

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
	All industries	382 820.0	128 215.9	125 394.2	129 209.9	374 341.9	127 448.4	121 794.1	125 099.4	1	1	1	1
20	Food and kindred products	32 256.9	16 964.3	4 258.5	11 034.0	31 529.9	16 742.3	3 943.5	10 844.2	1	1	1	1
21	Tobacco products	6 597.9	949.6	174.7	5 473.6	6 732.4	1 163.5	145.2	5 423.7	1	1	1	1
22	Textile mill products	8 814.9	3 846.9	2 412.2	2 555.7	8 308.8	3 462.6	2 356.1	2 490.0	1	1	1	1
23	Apparel and other textile products	10 778.1	4 383.2	2 120.1	4 274.8	10 104.5	4 178.5	2 041.9	3 884.1	2	2	3	2
24	Lumber and wood products	9 861.8	3 348.1	2 025.4	4 488.3	8 136.5	2 935.2	1 686.7	3 514.7	1	2	2	2
25	Furniture and fixtures	6 042.1	2 053.8	1 246.4	2 741.9	5 667.8	1 933.8	1 178.7	2 555.3	1	2	2	2
26	Paper and allied products	13 955.0	5 642.1	1 328.3	6 984.6	13 964.9	5 565.2	1 306.3	7 093.4	1	1	1	1
27	Printing and publishing	11 987.4	4 992.4	2 508.7	4 486.2	12 089.8	4 977.1	2 556.5	4 556.3	1	1	1	1
28	Chemicals and allied products	36 119.8	17 954.0	6 145.3	12 020.5	35 984.7	17 972.6	5 896.7	12 115.4	1	1	1	1
29	Petroleum and coal products	9 931.4	4 496.0	2 081.9	3 353.5	10 988.2	5 000.5	2 515.8	3 471.9	1	1	1	1
30	Rubber and miscellaneous plastics products	13 075.7	6 012.5	1 829.5	5 233.7	12 675.5	5 783.9	1 820.4	5 071.2	1	1	1	1
31	Leather and leather products	1 682.5	784.2	383.2	515.1	1 519.6	693.5	342.4	483.7	3	4	7	3
32	Stone, clay, and glass products	7 594.2	4 052.8	1 019.0	2 522.4	7 901.8	4 281.5	1 071.2	2 549.2	1	1	1	1
33	Primary metal industries	20 007.3	6 312.6	6 926.8	6 767.8	20 078.4	6 299.2	7 113.6	6 665.6	1	1	1	1
34	Fabricated metal products	23 490.2	7 750.9	7 023.0	8 716.3	23 621.2	7 831.4	7 243.8	8 546.0	1	1	1	1
35	Industrial machinery and equipment	47 307.6	14 107.2	18 769.9	14 430.5	45 049.5	14 114.8	17 335.3	13 599.5	1	1	1	1
36	Electronic and other electric equipment	31 518.2	8 199.2	12 273.0	11 046.1	30 511.7	7 693.0	12 306.6	10 512.0	1	1	1	1
37	Transportation equipment	61 356.1	7 065.9	41 084.9	13 205.3	58 826.6	7 724.8	38 743.4	12 358.3	1	1	1	1
38	Instruments and related products	23 320.9	6 105.2	10 414.0	6 801.8	23 758.3	6 012.9	10 887.1	6 858.3	1	1	1	1
39	Miscellaneous manufacturing industries	7 122.1	3 195.0	1 369.4	2 557.8	6 891.8	3 082.3	1 302.8	2 506.6	1	1	2	1
20	Food and kindred products	32 256.9	16 964.3	4 258.5	11 034.0	31 529.9	16 742.3	3 943.5	10 844.2	1	1	1	1
201	Meat products	3 208.5	1 935.0	434.3	839.3	2 953.6	1 750.3	386.1	817.2	1	1	1	2
2011	Meat packing plants	1 184.4	893.4	98.6	192.4	1 062.7	763.5	98.7	200.4	1	1	1	7
2013	Sausages and other prepared meats	1 115.1	570.3	160.2	384.6	1 049.0	550.6	143.5	354.9	1	1	2	2
2015	Poultry slaughtering and processing	909.1	471.3	175.5	262.2	841.9	436.1	143.9	261.9	1	1	2	1
202	Dairy products	2 567.4	1 538.2	122.2	907.0	2 591.7	1 505.2	134.7	951.8	1	1	2	1
2021	Creamery butter	35.2	22.0	2.0	11.1	34.8	23.1	1.6	10.0	3	4	1	5
2022	Cheese, natural and processed	1 173.0	718.9	59.2	394.8	1 212.2	701.8	70.5	439.9	1	1	2	2
2023	Dry, condensed, and evaporated dairy products	457.8	307.7	37.2	113.0	440.6	285.7	38.3	116.7	2	2	6	5
2024	Ice cream and frozen desserts	408.1	248.7	4.6	154.8	408.1	248.0	4.6	155.5	2	2	3	2
2026	Fluid milk	493.3	240.9	19.1	233.3	495.9	246.5	19.7	229.7	2	2	3	1
203	Preserved fruits and vegetables	8 173.3	5 588.4	707.0	1 877.8	8 235.8	5 683.2	738.7	1 813.9	1	1	2	1
2032	Canned specialties	898.3	569.3	22.8	306.1	852.6	528.5	18.8	305.3	1	2	2	1
2033	Canned fruits and vegetables	3 473.6	2 594.3	356.9	522.4	3 698.4	2 862.4	342.5	493.4	2	2	3	2
2034	Dehydrated fruits, vegetables, and soups	738.0	418.7	140.8	178.4	735.1	424.1	135.9	175.2	2	2	3	3
2035	Pickles, sauces, and salad dressings	700.3	432.3	55.1	212.9	717.1	438.3	51.9	227.0	1	1	1	2
2037	Frozen fruits and vegetables	1 766.1	1 270.9	121.7	373.5	1 683.4	1 153.3	183.0	347.1	2	2	2	3
2038	Frozen specialties, n.e.c.	597.0	302.7	9.7	284.5	549.1	276.6	6.5	265.9	2	2	16	3
204	Grain mill products	3 189.3	1 161.5	157.1	1 870.8	2 989.4	1 095.1	137.9	1 756.5	2	1	5	2
2041	Flour and other grain mill products	650.0	131.1	19.0	499.9	569.9	101.5	9.9	458.5	3	4	30	2
2043	Cereal breakfast foods	351.0	16.6	1.4	188.0	372.8	179.2	1.1	192.5	1	1	1	1
2044	Rice milling	439.7	137.6	11.9	290.2	326.7	86.6	10.7	229.3	2	1	5	2
2045	Prepared flour mixes and doughs	231.7	129.5	8.4	93.8	228.5	123.3	7.0	98.2	2	2	2	2
2046	Wet corn milling	384.9	160.5	30.0	194.3	338.4	147.3	22.8	168.3	1	1	1	1
2047	Dog and cat food	372.3	171.1	9.4	191.8	384.2	182.1	9.0	193.2	1	1	1	1
2048	Prepared feeds, n.e.c.	759.7	270.2	76.8	412.7	769.1	275.1	77.4	416.5	5	4	7	7
205	Bakery products	1 055.9	393.1	13.9	648.9	991.7	375.8	10.2	605.7	2	8	10	3
2051	Bread, cake, and related products	458.9	109.2	6.8	342.9	443.4	107.2	5.0	331.2	1	2	12	1
2052	Cookies and crackers	480.8	237.5	5.4	237.9	437.5	225.8	3.3	208.4	3	12	20	7
2053	Frozen bakery products, except bread	116.2	46.5	1.7	68.0	110.8	42.8	2.0	66.0	1	2	5	1
206	Sugar and confectionery products	3 716.0	1 832.5	623.8	1 259.7	3 607.2	1 777.8	508.4	1 321.1	1	1	1	1
2061	Raw cane sugar	420.3	338.7	25.2	56.4	374.8	292.4	25.5	56.9	3	4	1	1
2062	Cane sugar refining	351.5	106.1	109.1	136.3	348.2	101.9	130.7	115.7	1	1	1	1
2063	Beet sugar	736.4	421.6	108.2	206.6	732.6	419.3	101.1	212.2	1	2	2	1
2064	Candy and other confectionery products and industry 2067, chewing gum	1 175.6	614.2	57.1	504.3	1 218.8	621.3	58.2	539.3	1	1	3	1
2066	Chocolate and cocoa products	452.8	179.4	45.7	227.7	485.6	174.0	40.2	271.4	1	1	1	1
2068	Salted and roasted nuts and seeds	579.3	172.5	278.4	128.4	447.3	168.9	152.7	125.7	1	1	1	1
207	Fats and oils	1 747.3	703.3	134.9	909.1	1 600.9	683.0	120.2	797.7	1	2	1	2
2074	Cottonseed oil mills	211.6	46.8	5.9	158.9	184.3	45.9	6.4	132.0	6	12	7	6
2075	Soybean oil mills	961.9	379.9	63.8	518.3	903.1	402.5	56.1	444.6	1	1	1	1
2076	Vegetable oil mills, n.e.c.	99.0	48.5	10.2	40.2	75.2	34.6	1.7	39.0	6	3	3	11
2077	Animal and marine fats and oils	123.8	101.2	2.7	20.0	95.2	72.0	2.8	20.4	7	9	2	8
2079	Edible fats and oils, n.e.c.	351.0	127.0	52.3	171.7	343.0	128.0	53.2	161.8	1	1	1	2
208	Beverages	5 785.6	2 430.7	1 881.3	1 473.5	5 791.7	2 461.5	1 735.7	1 594.6	1	1	2	1
2082	Malt beverages	589.5	84.4	183.8	321.3	620.6	77.1	178.9	364.6	1	1	1	1
2083	Malt	137.2	58.6	6.5	72.2	161.7	51.1	7.2	103.5	3	3	1	4
2084	Wines, brandy, and brandy spirits	2 147.8	573.1	1 385.2	189.4	2 033.1	566.7	1 266.8	199.6	2	3	2	1
2085	Distilled and blended liquors	1 149.7	818.7	241.1	89.9	1 148.8	833.7	225.0	90.2	1	1	1	1
2086	Bottled and canned soft drinks	1 222.8	656.0	23.5	543.3	1 239.6	651.2	17.9	570.5	1	1	21	1
2087	Flavoring extracts and syrups, n.e.c.	538.6	239.9	41.2	257.5	588.0	281.7	39.9	266.3	2	4	10	1
209	Miscellaneous food and kindred products	2 813.7	1 381.7	184.0	1 248.0	2 767.8	1 410.5	171.6	1 185.8	1	2	4	2
2091	Canned and cured fish and seafoods	150.7	106.9	2.2	41.6	122.4	90.5	2.3	29.5	7	8	3	8
2092	Fresh or frozen prepared fish	753.6	522.0	22.1	209.5	842.7	601.3	41.0	200.3	2	3	4	5
2095	Roasted coffee	312.6	120.1	35.9	156.6	281.5	110.2	24.1	147.2	3	2	7	3
2096	Potato chips and similar snacks	208.2	74.7	5.9	127.6	206.4	67.5	6.0	133.0	1	1	2	1
2097	Manufactured ice	16.8	5.8	.7	10.3	18.8	8.0	.8	10.0	15	33	18	7
2098	Macaroni and spaghetti	96.2	55.1	2.0	39.1	99.3	59.5	1.8	38.1	4	5	1	2
2099	Food preparations, n.e.c.	1 275.5	497.1	115.0	663.4	1 196.6	473.4	95.5	627.6	2	3	6	2

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
21	Tobacco products	6 597.9	949.6	174.7	5 473.6	6 732.4	1 163.5	145.2	5 423.7	1	1	1	1
211	Cigarettes	5 789.4	524.3	107.7	5 157.5	5 837.0	701.7	87.6	5 047.6	1	1	1	1
2111	Cigarettes	5 789.4	524.3	107.7	5 157.5	5 837.0	701.7	87.6	5 047.6	1	1	1	1
212	Cigars	51.9	16.5	3.6	31.8	54.1	20.3	2.8	31.0	4	13	19	3
2121	Cigars	51.9	16.5	3.6	31.8	54.1	20.3	2.8	31.0	4	13	19	3
213	Chewing and smoking tobacco	228.3	33.4	19.0	176.0	245.1	48.0	16.3	180.7	1	1	1	1
2131	Chewing and smoking tobacco	228.3	33.4	19.0	176.0	245.1	48.0	16.3	180.7	1	1	1	1
214	Tobacco stemming and redrying	528.2	375.4	44.5	108.4	596.3	393.5	38.5	164.3	1	1	1	1
2141	Tobacco stemming and redrying	528.2	375.4	44.5	108.4	596.3	393.5	38.5	164.3	1	1	1	1
22	Textile mill products	8 814.9	3 846.9	2 412.2	2 555.7	8 308.8	3 462.6	2 356.1	2 490.0	1	1	1	1
221	Broadwoven fabric mills, cotton	831.7	433.1	237.5	161.2	802.0	416.6	241.5	143.9	1	1	1	1
2211	Broadwoven fabrics mills, cotton	831.7	433.1	237.5	161.2	802.0	416.6	241.5	143.9	1	1	1	1
222	Broadwoven fabric mills, manmade fiber and silk	1 258.8	497.6	435.2	325.9	1 192.1	463.0	418.4	310.8	1	1	1	1
2221	Broadwoven fabrics mills, manmade fiber and silk	1 258.8	497.6	435.2	325.9	1 192.1	463.0	418.4	310.8	1	1	1	1
223	Broadwoven fabric mills, wool	292.7	90.9	145.2	56.5	297.1	89.6	148.8	58.7	2	2	1	2
2231	Broadwoven fabrics mills, wool	292.7	90.9	145.2	56.5	297.1	89.6	148.8	58.7	2	2	1	2
224	Narrow fabric mills	215.1	86.0	62.8	66.3	206.5	77.9	60.9	67.6	1	3	3	5
2241	Narrow fabrics mills	215.1	86.0	62.8	66.3	206.5	77.9	60.9	67.6	1	3	3	5
225	Knitting mills	2 249.6	1 009.0	694.6	546.0	2 039.9	846.5	674.4	519.0	1	1	1	3
2251	Women's hosiery, except socks	261.4	64.0	139.7	57.7	236.9	61.0	125.9	49.9	2	1	1	6
2252	Hosiery, n.e.c.	321.4	131.2	122.0	66.2	304.1	116.4	121.7	66.1	3	4	5	16
2253	Knit outerwear mills	706.2	448.7	136.7	120.9	615.5	355.0	142.0	118.6	3	2	2	2
2254	Knit underwear mills	211.3	131.5	45.9	33.9	161.7	90.3	41.8	29.6	4	5	2	4
2257	Weft knit fabric mills	431.3	135.9	140.7	154.8	412.2	132.7	137.6	141.9	2	2	2	3
2258	Lace and warp knit fabric mills	284.5	82.9	104.7	97.0	274.3	76.2	100.8	97.3	2	3	3	3
2259	Knitting mills, n.e.c.	33.4	14.9	4.8	13.6	35.1	14.9	4.6	15.6	8	7	4	12
226	Textile finishing, except wool	607.9	223.9	160.6	223.3	605.4	213.6	174.4	217.4	1	2	2	2
2261	Finishing plants, cotton	204.0	70.4	59.1	74.5	198.1	73.9	66.1	66.3	3	4	1	3
2262	Finishing plants, manmade	284.1	106.6	71.1	106.4	284.7	109.7	67.9	107.0	1	1	1	1
2269	Finishing plants, n.e.c.	119.8	46.9	30.4	42.5	122.7	45.9	32.5	44.3	4	5	8	4
227	Carpets and rugs	1 253.6	603.3	280.9	369.4	1 158.8	516.9	249.8	392.1	1	1	1	2
2273	Carpets and rugs	1 253.6	603.3	280.9	369.4	1 158.8	516.9	249.8	392.1	1	1	1	2
228	Yarn and thread mills	921.8	335.0	210.3	376.5	890.6	311.5	208.7	370.4	1	2	2	2
2281	Yarn spinning mills	574.1	189.1	132.1	252.9	572.7	183.2	126.9	262.5	2	3	2	2
2282	Throwing and winding mills	224.0	83.4	44.8	95.9	200.2	70.3	46.7	83.2	2	2	1	2
2284	Thread mills	123.7	62.5	33.5	27.7	117.7	57.9	35.1	24.7	1	1	3	1
229	Miscellaneous textile goods	1 183.7	568.0	185.1	430.6	1 116.4	526.9	179.3	410.2	2	2	3	2
2295	Coated fabrics, not rubberized	244.6	91.1	42.2	111.2	218.3	75.0	46.8	96.5	6	7	10	6
2296	Tire cord and fabrics	92.5	29.3	24.3	38.9	84.6	25.6	24.9	34.1	1	1	1	1
2297	Nonwoven fabrics	394.1	203.9	65.8	124.4	388.1	196.2	57.0	134.9	1	1	1	1
2298	Cordage and twine	133.4	77.7	18.1	37.5	134.7	80.8	15.4	38.6	4	6	6	6
2299	Textile goods, n.e.c.	319.2	165.9	34.8	118.6	290.7	149.4	35.2	106.2	2	3	6	4
23	Apparel and other textile products	10 778.1	4 383.2	2 120.1	4 274.8	10 104.5	4 178.5	2 041.9	3 884.1	2	2	3	2
231	Men's and boys' suits and coats	476.3	176.5	107.5	192.3	461.7	165.1	102.1	194.5	10	13	13	5
2311	Men's and boys' suits and coats	476.3	176.5	107.5	192.3	461.7	165.1	102.1	194.5	10	13	13	5
232	Men's and boys' furnishings	2 418.5	1 153.9	507.4	757.2	2 325.0	1 111.3	490.3	723.3	2	2	3	3
2321	Men's and boys' shirts	843.7	455.5	148.0	240.2	854.3	462.4	160.5	231.3	2	2	2	5
2322	Men's and boys' underwear and nightwear	72.4	29.9	18.3	24.1	77.2	33.8	18.7	24.7	5	5	12	3
2323	Men's and boys' neckwear	91.1	46.4	9.5	35.2	96.2	49.5	10.2	36.5	22	21	45	22
2325	Men's and boys' trousers and slacks	661.2	305.0	170.3	185.8	584.5	269.7	147.3	167.5	4	3	7	7
2326	Men's and boys' work clothing	227.6	83.5	52.5	91.5	212.5	70.6	52.9	89.0	3	4	4	4
2329	Men's and boys' clothing, n.e.c.	522.7	233.6	108.8	180.3	500.3	225.3	100.7	174.2	2	3	9	2
233	Women's and misses' outerwear	3 430.4	1 210.1	706.6	1 513.6	2 973.3	1 127.2	648.0	1 198.1	3	3	7	2
2331	Women's, misses', and juniors' blouses and shirts	538.3	208.6	110.1	219.6	528.5	207.0	122.6	199.0	3	4	7	4
2335	Women's, misses', and juniors' dresses	820.8	219.2	146.0	455.6	670.2	208.3	139.2	322.7	3	4	3	3
2337	Women's, misses', and juniors' suits and coats	679.6	245.9	147.4	286.3	622.0	236.8	137.2	247.9	4	11	5	6
2339	Women's, misses', and juniors' outerwear, n.e.c.	1 391.7	536.4	303.1	552.1	1 152.5	475.0	249.0	428.5	5	4	15	4
234	Women's and children's undergarments	744.3	343.2	134.5	266.6	724.3	324.7	142.6	257.1	2	2	3	2
2341	Women's and children's underwear	398.2	169.5	62.5	166.2	375.7	146.1	69.6	160.1	3	3	4	3
2342	Brassieres, girdles, and allied garments	346.0	173.6	72.0	100.4	348.6	178.5	73.0	97.0	3	2	4	4
235	Hats, caps, and millinery	201.6	95.0	31.6	74.9	189.4	88.3	30.4	70.8	5	10	3	3
2353	Hats, caps, and millinery	201.6	95.0	31.6	74.9	189.4	88.3	30.4	70.8	5	10	3	3
236	Girls' and children's outerwear	424.9	131.7	108.7	184.5	524.2	172.2	112.7	239.3	9	25	3	4
2361	Girls' and children's dresses and blouses	221.4	84.0	45.6	91.8	268.4	125.8	50.0	92.6	4	9	6	5
2369	Girls' and children's outerwear, n.e.c.	203.6	47.7	63.1	92.8	255.8	46.4	62.7	146.7	18	68	2	6
237	Fur goods	25.4	7.9	10.3	7.2	25.7	8.6	10.4	6.8	10	31	1	4
2371	Fur goods	25.4	7.9	10.3	7.2	25.7	8.6	10.4	6.8	10	31	1	4
238	Miscellaneous apparel and accessories	469.0	257.3	60.3	151.4	432.1	226.4	61.3	144.4	7	9	6	6
2381	Fabrics dress and work gloves	71.7	44.3	11.2	16.2	54.3	30.1	10.1	14.1	31	40	14	24
2384	Robes and dressing gowns	63.7	28.8	10.3	24.6	56.8	26.5	7.2	23.0	10	22	16	7
2385	Waterproof outerwear	25.3	11.6	3.3	10.5	23.6	8.6	4.3	10.6	6	14	7	3
2386	Leather and sheep-lined clothing	41.4	23.6	5.4	12.4	39.4	22.8	5.2	11.3	3	3	5	4
2387	Apparel belts	86.7	42.8	7.7	36.2	89.9	42.2	10.0	37.6	18	19	32	18
2389	Apparel and accessories, n.e.c.	180.1	106.2	22.4	51.5	168.2	96.1	24.4	47.7	8	9	6	8
239	Miscellaneous fabricated textile products	2 587.6	1 007.5	453.2	1 127.0	2 448.8	954.7	444.3	1 049.8	2	2	2	3
2391	Curtains and draperies	150.4	41.3	24.4	84.8	163.1	45.0	26.1	92.1	12	17	14	13
2392	Housefurnishings, n.e.c.	913.5	387.6	190.2	335.7	849.8	364.3	179.3	306.2	2	3	2	3
2393	Textile bags	119.5	35.7	15.1	68.7	116.1	41.9	13.7	60.6	8	25	13	4
2394	Canvas and related products	181.0	53.9	24.8	102.3	160.9	60.0	21.5	79.4	12	7	24	18
2395	Pleating and stitching	98.8	26.5	15.0	57.4	91.4	41.3	15.3	34.8	11	20	13	11
2396	Automotive and apparel trimmings	657.6	289.0	106.2	262.4	642.6	253.8	116.6	272.2	3	3	3	3
2397	Shiffli machine embroideries	34.5	13.0	6.7	14.7	32.9	12.9	6.4	13.7	2	2	2	4

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
24	Lumber and wood products	9 861.8	3 348.1	2 025.4	4 488.3	8 136.5	2 935.2	1 686.7	3 514.7	1	2	2	2
241	Logging	599.3	335.1	71.6	192.6	500.9	303.9	53.5	143.5	3	4	4	3
2411	Logging	599.3	335.1	71.6	192.6	500.9	303.9	53.5	143.5	3	4	4	3
242	Sawmills and planing mills	3 808.0	1 319.0	889.3	1 599.7	2 971.4	1 132.5	700.2	1 138.7	1	2	3	2
2421	Sawmills and planing mills, general	3 368.0	1 227.8	793.9	1 346.3	2 600.3	1 049.9	615.1	935.3	1	2	3	2
2426	Hardwood dimension and flooring mills	412.1	81.4	89.8	240.9	346.5	73.4	80.3	192.8	4	6	9	5
2429	Special product sawmills, n.e.c.	28.0	9.9	5.6	12.5	24.7	9.2	4.9	10.6	7	11	13	4
243	Millwork, plywood, and structural members	3 140.8	803.6	690.3	1 646.9	2 667.1	705.4	606.7	1 355.0	1	3	2	2
2431	Millwork	1 491.9	331.8	392.7	767.4	1 345.6	323.6	361.0	661.0	2	5	3	2
2434	Wood kitchen cabinets	549.6	108.4	147.5	293.7	495.4	98.4	133.4	263.5	2	4	3	2
2435	Hardwood veneer and plywood	410.1	161.4	71.6	177.0	342.9	139.5	49.2	154.2	2	2	2	2
2436	Softwood veneer and plywood	414.5	110.8	54.5	249.1	280.8	81.3	39.5	159.9	4	6	2	4
2439	Structural wood members, n.e.c.	274.7	91.1	23.9	159.7	202.5	62.6	23.5	116.3	4	6	3	5
244	Wood containers	294.3	65.7	43.2	185.4	265.0	66.7	39.2	159.2	3	4	5	3
2441	Nailed wood boxes and shooks	40.3	14.0	4.3	21.9	44.0	17.5	4.4	22.1	6	3	10	8
2448	Wood pallets and skids	196.7	35.2	30.9	130.6	158.7	30.1	27.7	101.0	3	6	5	4
2449	Wood containers, n.e.c.	57.3	16.4	7.9	33.0	62.4	19.1	7.1	36.2	2	5	15	3
245	Wood buildings and mobile homes	481.5	95.2	64.1	322.2	424.7	94.3	54.2	276.2	2	4	4	2
2451	Mobile homes	256.9	41.4	37.4	178.2	223.1	39.4	28.8	154.8	3	3	4	3
2452	Prefabricated wood buildings	224.6	53.8	26.7	144.1	201.7	54.9	25.4	121.3	3	6	7	4
249	Miscellaneous wood products	1 537.8	729.6	266.9	541.3	1 307.3	632.4	232.8	442.1	2	3	5	8
2491	Wood preserving	535.4	345.6	127.8	62.0	449.9	279.9	105.2	64.8	4	5	8	9
2493	Reconstituted wood products	345.6	109.1	31.8	204.7	309.4	111.3	26.7	171.4	2	2	12	4
2499	Wood products, n.e.c.	656.8	274.9	107.3	274.6	548.0	241.2	101.0	205.9	3	4	4	16
25	Furniture and fixtures	6 042.1	2 053.8	1 246.4	2 741.9	5 667.8	1 933.8	1 178.7	2 555.3	1	2	2	2
251	Household furniture	3 287.9	1 276.7	627.2	1 384.0	3 015.0	1 175.6	581.0	1 258.4	2	2	2	2
2511	Wood household furniture	1 935.6	914.2	389.6	631.8	1 736.3	837.5	355.0	548.3	3	2	3	4
2512	Upholstered household furniture	669.9	142.1	132.4	395.4	621.6	131.6	122.1	367.9	2	3	2	1
2514	Metal household furniture	376.9	146.2	64.2	166.5	355.5	130.0	62.3	163.1	4	8	4	2
2515	Mattresses and bedsprings	203.8	44.3	16.7	142.8	207.3	48.6	18.0	140.6	3	16	12	5
2517	Wood television and radio cabinets	37.2	10.6	9.5	17.1	33.8	9.0	10.7	14.2	7	10	5	6
2519	Household furniture, n.e.c.	64.4	19.3	14.7	30.5	60.6	18.9	12.8	28.8	2	6	2	5
252	Office furniture	872.2	183.0	199.5	489.6	871.2	183.1	205.8	482.3	2	5	2	1
2521	Wood office furniture	281.3	58.7	75.2	147.4	285.4	63.0	78.1	144.2	4	12	4	2
2522	Office furniture, except wood	590.9	124.3	124.3	342.3	585.8	120.1	127.6	338.1	1	4	2	1
253	Public building and related furniture	348.5	70.3	80.3	197.9	342.5	70.6	78.0	193.9	2	3	5	2
2531	Public building and related furniture	348.5	70.3	80.3	197.9	342.5	70.6	78.0	193.9	2	3	5	2
254	Partitions and fixtures	899.3	332.7	228.8	337.8	847.5	324.5	209.1	313.9	3	6	3	3
2541	Wood partitions and fixtures	379.0	131.9	102.2	144.9	360.2	125.3	97.5	137.4	6	13	4	5
2542	Partitions and fixtures, except wood	520.3	200.8	126.6	192.9	487.3	199.2	111.6	176.5	3	4	3	5
259	Miscellaneous furniture and fixtures	634.2	191.1	110.6	332.5	591.6	179.9	104.8	306.9	6	5	6	6
2591	Drapery hardware and blinds and shades	314.7	109.1	36.1	169.6	300.8	107.0	35.5	158.4	3	1	2	4
2599	Furniture and fixtures, n.e.c.	319.4	82.0	74.5	162.9	290.8	73.0	69.3	148.5	10	11	8	12
26	Paper and allied products	13 955.0	5 642.1	1 328.3	6 984.6	13 964.9	5 565.2	1 306.3	7 093.4	1	1	1	1
261	Pulp mills	586.2	261.8	38.7	285.6	663.0	326.8	42.1	294.0	1	1	1	2
2611	Pulp mills	586.2	261.8	38.7	285.6	663.0	326.8	42.1	294.0	1	1	1	2
262	Paper mills	3 811.8	1 447.0	314.9	2 049.9	3 755.6	1 346.7	316.0	2 092.9	1	1	1	1
2621	Paper mills	3 811.8	1 447.0	314.9	2 049.9	3 755.6	1 346.7	316.0	2 092.9	1	1	1	1
263	Paperboard mills	1 273.2	335.6	66.3	871.3	1 228.0	325.1	54.7	848.2	1	1	1	1
2631	Paperboard mills	1 273.2	335.6	66.3	871.3	1 228.0	325.1	54.7	848.2	1	1	1	1
265	Paperboard containers and boxes	3 389.6	1 227.1	341.3	1 821.2	3 477.7	1 220.6	353.5	1 903.6	2	3	2	1
2652	Setup paperboard boxes	53.3	23.9	2.5	26.8	54.4	24.2	7.2	23.0	7	23	(A)	14
2653	Corrugated and solid fiber boxes	1 762.4	442.0	118.0	1 202.5	1 799.1	415.1	114.8	1 269.1	1	2	2	1
2655	Fiber cans, drums, and similar products	167.1	42.0	10.6	114.5	170.8	41.3	12.3	117.1	4	9	7	4
2656	Sanitary food containers	365.2	170.5	36.1	158.6	362.7	165.2	34.2	163.3	2	2	1	3
2657	Folding paperboard boxes	1 041.7	548.7	174.1	318.9	1 090.7	574.7	184.9	331.1	4	6	3	4
267	Miscellaneous converted paper products	4 894.2	2 370.6	567.0	1 956.6	4 840.6	2 345.9	540.1	1 954.6	1	1	2	1
2671	Paper coated and laminated, packaging	487.2	239.7	66.9	180.6	483.5	242.7	69.3	171.5	2	2	3	2
2672	Paper coated and laminated, n.e.c.	798.2	279.4	194.8	323.9	800.8	271.8	196.3	332.7	1	1	1	2
2673	Bags: plastics, laminated, and coated	594.7	255.2	55.6	283.8	616.2	276.1	56.9	283.2	1	2	3	2
2674	Bags: uncoated paper and multiwall	395.2	129.1	25.0	241.0	395.1	129.6	25.5	240.0	2	2	1	2
2675	Die-cut paper and board	222.9	100.5	29.7	92.7	245.6	110.5	26.0	109.1	11	8	12	16
2676	Sanitary paper products	1 030.5	611.1	75.4	344.1	971.1	567.2	62.4	341.5	1	1	1	1
2677	Envelopes	298.0	148.8	28.5	120.8	290.5	143.8	25.3	121.4	1	2	5	1
2678	Stationery products	305.4	193.5	24.5	87.4	287.3	179.1	25.5	82.7	1	1	2	2
2679	Converted paper products, n.e.c.	762.2	413.4	66.5	282.3	750.6	425.0	52.8	272.7	2	2	6	4

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.				
		A	B	C	D	E	F	G	H	A	B	C	D
27	Printing and publishing	11 987.4	4 992.4	2 508.7	4 486.2	12 089.8	4 977.1	2 556.5	4 556.3	1	1	1	1
271	Newspapers	754.9	24.9	8.4	721.6	764.4	25.8	7.3	731.4	2	4	11	2
2711	Newspapers	754.9	24.9	8.4	721.6	764.4	25.8	7.3	731.4	2	4	11	2
272	Periodicals	1 089.8	442.1	208.3	439.4	1 090.6	428.6	209.3	452.7	2	3	3	3
2721	Periodicals	1 089.8	442.1	208.3	439.4	1 090.6	428.6	209.3	452.7	2	3	3	3
273	Books	3 350.0	2 481.4	492.9	375.7	3 446.1	2 496.0	555.2	394.8	2	2	4	2
2731	Book publishing	2 947.2	2 423.3	321.0	202.9	3 021.5	2 439.3	371.2	211.0	2	2	5	3
2732	Book printing	402.8	58.1	171.9	172.8	424.5	56.7	184.1	183.8	2	9	5	3
274	Miscellaneous publishing	956.3	555.7	246.7	153.9	953.6	559.7	240.0	153.9	2	2	2	5
2741	Miscellaneous publishing	956.3	555.7	246.7	153.9	953.6	559.7	240.0	153.9	2	2	2	5
275	Commercial printing	3 911.3	628.7	1 196.3	2 086.3	3 953.7	629.6	1 199.9	2 124.2	1	2	1	1
2752	Commercial printing, lithographic	2 782.9	348.2	908.8	1 525.9	2 799.0	345.8	906.1	1 547.1	1	3	2	2
2754	Commercial printing, gravure	258.6	25.4	88.5	144.7	270.9	29.2	96.6	145.1	3	12	2	3
2759	Commercial printing, n.e.c.	869.8	255.1	199.0	415.7	883.9	254.6	197.3	432.0	2	3	3	2
276	Manifold business forms	765.0	346.3	72.4	346.2	751.2	347.7	68.2	335.3	2	2	4	2
2761	Manifold business forms	765.0	346.3	72.4	346.2	751.2	347.7	68.2	335.3	2	2	4	2
277	Greeting cards	494.8	337.1	64.1	93.6	455.2	304.0	64.3	87.0	1	1	5	3
2771	Greeting cards	494.8	337.1	64.1	93.6	455.2	304.0	64.3	87.0	1	1	5	3
278	Blankbooks and bookbinding	432.7	155.6	87.6	189.5	438.5	164.9	83.5	190.1	1	2	2	2
2782	Blankbooks and looseleaf binders	303.1	107.4	55.5	140.2	314.2	117.1	52.7	144.4	1	2	1	2
2789	Bookbinding and related work	129.6	48.1	32.1	49.3	124.2	47.7	30.9	45.7	3	5	5	5
279	Printing trade services	232.6	20.6	132.1	80.0	236.5	20.9	128.8	86.9	3	5	3	7
2791	Typesetting	87.7	5.1	66.0	16.6	87.3	4.8	65.4	17.0	2	4	3	2
2796	Platemaking services	144.9	15.5	66.0	63.4	149.2	16.0	63.3	69.8	4	6	6	8
28	Chemicals and allied products	36 119.8	17 954.0	6 145.3	12 020.5	35 984.7	17 972.6	5 896.7	12 115.4	1	1	1	1
281	Industrial inorganic chemicals	2 445.1	1 120.8	385.2	939.1	2 423.3	1 054.4	442.6	926.3	1	1	2	1
2812	Alkalies and chlorine	247.0	148.7	7.3	91.0	206.1	115.3	2.8	88.1	1	1	1	1
2813	Industrial gases	86.8	57.0	1.1	28.8	69.2	46.8	.7	21.7	1	1	2	2
2816	Inorganic pigments	538.8	235.1	39.6	264.2	523.8	221.9	44.7	257.2	1	1	3	1
2819	Industrial inorganic chemicals, n.e.c.	1 572.5	680.0	337.3	555.2	1 624.1	670.4	394.4	559.4	1	1	2	2
282	Plastics materials and synthetics	5 573.9	3 418.6	668.4	1 487.0	5 806.0	3 474.6	696.5	1 634.9	1	1	1	2
2821	Plastics materials and resins	3 475.5	2 233.1	342.7	899.7	3 654.5	2 283.1	384.4	987.0	1	1	1	1
2822	Synthetic rubber	644.8	399.5	73.5	171.8	660.8	410.7	75.4	174.5	1	1	1	1
2823	Cellulosic manmade fibers	199.8	111.9	22.9	65.1	211.7	112.5	21.3	77.9	1	1	1	1
2824	Organic fibers, noncellulosic	1 253.8	674.1	229.2	350.5	1 279.0	668.1	215.4	395.5	1	2	1	5
283	Drugs	9 276.4	3 568.7	2 856.1	2 851.6	9 005.1	3 574.0	2 504.1	2 927.1	1	1	1	1
2833	Medicinals and botanicals	992.1	331.8	400.5	259.8	960.5	318.4	390.7	251.4	1	2	1	1
2834	Pharmaceutical preparations	6 301.7	2 459.6	1 750.4	2 091.6	6 154.9	2 496.6	1 453.4	2 204.9	1	1	1	1
2835	Diagnostic substances	1 033.4	389.1	320.3	324.0	1 014.0	399.9	294.5	319.7	1	1	2	2
2836	Biological products, except diagnostic	949.3	388.2	384.9	176.2	875.7	359.1	365.5	151.1	1	1	1	1
284	Soaps, cleaners, and toilet goods	4 624.3	2 352.0	520.5	1 751.8	4 607.1	2 370.4	505.7	1 731.0	1	1	8	3
2841	Soap and other detergents	1 283.8	686.6	188.0	409.2	1 374.1	738.7	194.1	441.3	2	2	22	9
2842	Polishes and sanitation goods	644.8	358.1	33.4	253.4	606.8	334.3	37.2	235.3	3	3	6	4
2843	Surface active agents	392.6	233.9	34.5	124.1	390.2	236.5	32.2	121.4	2	2	1	2
2844	Toilet preparations	2 303.1	1 073.5	264.5	965.1	2 236.1	1 060.9	242.2	933.1	1	1	1	2
285	Paints and allied products	1 782.9	1 012.7	103.7	666.4	1 778.8	1 016.3	114.5	648.1	1	1	2	2
2851	Paints and allied products	1 782.9	1 012.7	103.7	666.4	1 778.8	1 016.3	114.5	648.1	1	1	2	2
286	Industrial organic chemicals	7 730.8	4 252.9	1 019.0	2 458.9	7 743.1	4 291.1	1 024.2	2 427.9	1	1	1	1
2861	Gum and wood chemicals	145.0	90.9	7.3	46.8	139.1	87.8	13.4	37.9	3	3	52	7
2865	Cyclic crudes and intermediates	1 458.2	770.2	186.4	501.7	1 468.1	775.3	190.5	502.3	2	2	2	2
2869	Industrial organic chemicals, n.e.c.	6 127.5	3 391.8	825.2	1 910.5	6 136.0	3 428.0	820.3	1 887.7	1	1	1	1
287	Agricultural chemicals	2 256.2	1 057.9	278.2	920.1	2 256.8	1 062.9	306.9	887.1	3	2	2	4
2873	Nitrogenous fertilizers	392.4	193.2	16.1	183.1	409.1	195.5	19.5	193.1	1	1	1	1
2874	Phosphatic fertilizers	384.1	146.4	50.7	187.1	425.2	188.7	55.0	181.4	1	2	1	2
2875	Fertilizers, mixing only	302.1	193.3	12.6	96.2	302.2	169.2	13.9	94.3	3	5	10	6
2879	Agricultural chemicals, n.e.c.	1 177.5	525.1	198.7	453.8	1 145.1	508.4	218.5	418.2	4	3	3	8
289	Miscellaneous chemical products	2 430.2	1 170.3	314.4	945.6	2 364.4	1 129.0	302.4	933.1	1	2	5	2
2891	Adhesives and sealants	567.0	285.1	45.0	236.9	546.2	265.5	45.7	234.1	2	2	2	3
2892	Explosives	133.9	41.0	38.9	53.9	127.3	46.3	27.5	53.6	1	5	1	3
2893	Printing ink	364.8	188.8	10.8	167.2	351.9	171.0	17.9	163.0	3	4	89	7
2895	Carbon black	65.6	41.6	—	24.0	64.9	40.1	—	24.8	2	3	(X)	1
2899	Chemical preparations, n.e.c.	1 298.9	615.7	219.6	463.6	1 274.1	605.1	211.3	457.7	2	2	5	2
29	Petroleum and coal products	9 931.4	4 496.0	2 081.9	3 353.5	10 988.2	5 000.5	2 515.8	3 471.9	1	1	1	1
291	Petroleum refining	8 614.6	3 806.6	1 992.0	2 816.0	9 688.4	4 345.6	2 434.4	2 908.4	1	1	1	1
2911	Petroleum refining	8 614.6	3 806.6	1 992.0	2 816.0	9 688.4	4 345.6	2 434.4	2 908.4	1	1	1	1
295	Asphalt paving and roofing materials	600.7	314.8	26.1	259.8	577.0	307.3	20.1	249.7	3	4	4	4
2951	Asphalt paving mixtures and blocks	282.1	127.1	19.8	135.1	267.5	119.0	14.4	134.0	6	9	5	6
2952	Asphalt felts and coatings	318.6	187.7	6.3	124.7	309.5	188.2	5.6	115.7	2	3	3	3
299	Miscellaneous petroleum and coal products	716.1	374.7	63.8	277.6	722.8	347.6	61.4	313.8	2	2	5	2
2992	Lubricating oils and greases	580.2	318.4	49.7	212.1	598.8	294.5	47.3	257.1	2	2	6	3
2999	Petroleum and coal products, n.e.c.	135.9	56.3	14.1	65.5	123.9	53.1	14.1	56.7	2	2	14	3

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
30	Rubber and miscellaneous plastics products -----	13 075.7	6 012.5	1 829.5	5 233.7	12 675.5	5 783.9	1 820.4	5 071.2	1	1	1	1
301	Tires and inner tubes -----	971.3	558.9	121.9	290.5	947.5	539.5	124.4	283.6	1	1	1	1
3011	Tires and inner tubes -----	971.3	558.9	121.9	290.5	947.5	539.5	124.4	283.6	1	1	1	1
302	Rubber and plastics footwear -----	153.1	84.7	22.7	45.7	167.4	91.2	25.9	50.3	3	3	2	7
3021	Rubber and plastics footwear -----	153.1	84.7	22.7	45.7	167.4	91.2	25.9	50.3	3	3	2	7
305	Hose and belting and gaskets and packing -----	899.6	488.1	152.9	258.6	855.8	474.1	138.9	242.8	2	3	2	2
3052	Rubber and plastics hose and belting -----	459.5	286.7	70.8	102.0	419.4	271.6	57.2	90.5	3	4	2	3
3053	Gaskets, packing, and sealing devices -----	440.1	201.4	82.1	156.6	436.5	202.4	81.8	152.3	2	2	2	2
306	Fabricated rubber products, n.e.c. -----	1 279.8	519.6	270.8	489.4	1 269.1	514.7	274.4	480.0	2	3	2	2
3061	Mechanical rubber goods -----	452.5	159.5	114.6	178.4	432.2	156.8	104.8	170.6	2	3	4	4
3069	Fabricated rubber products, n.e.c. -----	827.3	360.1	156.2	311.0	836.9	357.9	169.6	309.4	2	5	2	2
308	Miscellaneous plastics products, n.e.c. -----	9 771.9	4 361.2	1 261.2	4 149.6	9 435.8	4 164.4	1 256.8	4 014.5	1	2	2	1
3081	Unsupported plastics film and sheet -----	1 313.7	570.7	218.2	524.8	1 293.7	530.6	244.9	518.1	1	1	1	1
3082	Unsupported plastics profile shapes -----	364.9	157.8	60.4	146.7	374.7	158.3	56.4	160.0	4	5	3	5
3083	Laminated plastics plate, sheet, and profile shapes -----	296.5	116.7	47.2	132.5	285.1	109.0	47.1	129.1	1	1	2	2
3084	Plastics pipe -----	457.2	291.5	15.7	149.9	414.7	266.9	13.9	133.9	2	3	4	3
3085	Plastics bottles -----	408.5	205.4	31.6	171.5	373.7	175.1	28.5	170.1	5	10	7	2
3086	Plastics foam products -----	905.0	348.9	104.2	451.9	876.5	341.1	100.9	434.5	2	3	5	2
3087	Custom compounding of purchased plastics resins -----	565.5	258.0	32.7	274.8	541.7	254.9	29.9	256.9	1	2	3	2
3088	Plastics plumbing fixtures -----	86.1	30.9	8.2	47.0	95.7	37.5	8.3	50.0	5	3	5	8
3089	Plastics products, n.e.c. -----	5 374.6	2 381.2	742.9	2 250.5	5 180.0	2 291.0	727.0	2 162.0	1	3	2	2
31	Leather and leather products -----	1 682.5	784.2	383.2	515.1	1 519.6	693.5	342.4	483.7	3	4	7	3
311	Leather tanning and finishing -----	495.1	156.3	227.8	111.0	433.7	138.0	189.3	106.4	6	8	11	4
3111	Leather tanning and finishing -----	495.1	156.3	227.8	111.0	433.7	138.0	189.3	106.4	6	8	11	4
313	Footwear cut stock -----	39.9	18.0	6.1	15.8	39.5	16.7	6.5	16.3	4	12	7	4
3131	Footwear cut stock -----	39.9	18.0	6.1	15.8	39.5	16.7	6.5	16.3	4	12	7	4
314	Footwear, except rubber -----	666.9	361.1	88.6	217.2	616.2	322.3	84.9	209.1	3	2	3	5
3142	House slippers -----	56.9	27.8	6.2	23.0	48.5	25.0	4.3	19.2	11	10	10	14
3143	Men's footwear, except athletic -----	435.1	241.0	51.6	142.4	404.8	214.1	49.4	141.3	3	1	4	6
3144	Women's footwear, except athletic -----	117.4	61.1	23.7	32.5	106.3	53.9	22.8	29.5	6	4	6	16
3149	Footwear, except rubber, n.e.c. -----	57.5	31.1	7.1	19.3	56.7	29.4	8.4	18.9	5	7	6	4
315	Leather gloves and mittens -----	29.9	13.4	5.1	11.4	35.2	13.7	7.3	14.3	15	13	27	16
3151	Leather gloves and mittens -----	29.9	13.4	5.1	11.4	35.2	13.7	7.3	14.3	15	13	27	16
316	Luggage -----	202.0	102.4	23.1	76.4	169.2	78.1	22.4	68.6	16	22	3	11
3161	Luggage -----	202.0	102.4	23.1	76.4	169.2	78.1	22.4	68.6	16	22	3	11
317	Handbags and personal leather goods -----	118.8	60.5	13.9	44.4	115.0	59.9	16.0	39.0	11	4	65	9
3171	Women's handbags and purses -----	39.3	17.9	6.0	15.4	40.4	18.1	8.5	13.7	10	10	15	10
3172	Personal leather goods, n.e.c. -----	79.5	42.6	7.9	29.0	74.6	41.8	7.5	25.3	16	2	(A)	13
319	Leather goods, n.e.c. -----	129.9	72.5	18.4	39.0	110.8	64.7	16.0	30.1	13	13	14	17
3199	Leather goods, n.e.c. -----	129.9	72.5	18.4	39.0	110.8	64.7	16.0	30.1	13	13	14	17
32	Stone, clay, and glass products -----	7 594.2	4 052.8	1 019.0	2 522.4	7 901.8	4 281.5	1 071.2	2 549.2	1	1	1	1
321	Flat glass -----	267.7	150.3	55.7	61.6	293.8	177.1	53.9	62.8	1	1	1	1
3211	Flat glass -----	267.7	150.3	55.7	61.6	293.8	177.1	53.9	62.8	1	1	1	1
322	Glass and glassware, pressed or blown -----	1 475.6	1 082.7	85.6	307.3	1 668.3	1 248.8	85.3	334.1	1	1	1	1
3221	Glass containers -----	802.8	668.8	1.6	132.4	991.9	830.0	2.0	160.0	1	1	1	1
3229	Pressed and blown glass, n.e.c. -----	672.8	413.9	84.0	174.9	676.3	418.9	83.4	174.1	1	1	1	1
323	Products of purchased glass -----	770.1	288.9	164.8	316.5	788.7	321.5	168.2	298.9	1	2	2	2
3231	Products of purchased glass -----	770.1	288.9	164.8	316.5	788.7	321.5	168.2	298.9	1	2	2	2
324	Cement, hydraulic -----	741.9	182.6	126.8	432.5	830.5	220.8	180.7	429.0	1	3	4	2
3241	Cement, hydraulic -----	741.9	182.6	126.8	432.5	830.5	220.8	180.7	429.0	1	3	4	2
325	Structural clay products -----	643.0	459.9	34.2	148.9	633.6	442.6	34.8	156.2	1	2	3	4
3251	Brick and structural clay tile -----	274.5	221.0	9.0	44.5	275.0	223.3	8.8	43.0	2	2	3	2
3253	Ceramic wall and floor tile -----	180.1	130.5	10.2	39.3	163.0	112.5	10.4	40.0	2	2	1	3
3255	Clay refractories -----	153.0	83.0	12.0	58.0	160.6	82.4	12.7	65.5	3	4	6	8
3259	Structural clay products, n.e.c. -----	35.4	25.3	2.9	7.1	35.0	24.5	2.9	7.6	2	3	5	5
326	Pottery and related products -----	441.8	209.4	127.1	105.2	446.8	216.7	125.1	105.1	1	1	1	3
3261	Vitreous plumbing fixtures -----	93.9	54.4	20.0	19.5	98.3	60.6	20.1	17.6	2	2	1	3
3262	Vitreous china table and kitchenware -----	94.0	47.2	33.4	13.3	102.3	48.1	37.3	16.9	1	1	1	4
3263	Semivitreous table and kitchenware -----	4.3	1.3	2.2	.8	4.2	1.3	2.1	.8	1	1	1	1
3264	Porcelain electrical supplies -----	144.7	51.8	50.1	42.9	142.5	51.4	47.0	44.1	1	1	1	1
3269	Pottery products, n.e.c. -----	104.8	54.6	21.4	28.7	99.5	55.2	18.6	25.7	3	3	2	9
327	Concrete, gypsum, and plaster products -----	1 707.2	966.8	88.9	651.5	1 670.7	943.2	93.7	633.9	2	2	4	2
3271	Concrete block and brick -----	282.3	250.5	2.1	29.7	283.2	251.9	2.0	29.2	4	2	21	33
3272	Concrete products, n.e.c. -----	742.0	500.3	58.4	183.4	710.4	480.9	60.3	169.2	2	3	5	3
3273	Ready-mixed concrete -----	446.4	150.0	12.3	284.1	436.2	142.8	12.5	281.0	2	3	4	2
3274	Lime -----	99.3	22.4	9.6	67.3	102.3	23.8	10.1	68.4	2	2	1	3
3275	Gypsum products -----	137.2	43.6	6.5	87.1	138.7	43.8	8.7	86.2	2	1	10	3
328	Cut stone and stone products -----	150.8	90.6	25.9	34.3	158.8	92.0	26.6	40.2	4	3	5	9
3281	Cut stone and stone products -----	150.8	90.6	25.9	34.3	158.8	92.0	26.6	40.2	4	3	5	9
329	Miscellaneous nonmetallic mineral products -----	1 396.2	621.7	309.9	464.6	1 410.6	618.8	302.7	489.1	2	2	2	2
3291	Abrasive products -----	572.7	231.6	216.8	124.3	593.1	236.7	209.0	147.4	2	2	3	5
3292	Asbestos products -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)
3295	Minerals, ground or treated -----	236.1	79.6	27.4	129.1	220.8	70.2	29.8	120.8	2	3	10	2
3296	Mineral wool -----	227.3	128.2	15.0	84.1	238.0	135.9	15.0	87.1	1	2	1	2
3297	Nonclay refractories -----	236.5	120.5	29.7	86.3	236.3	115.3	28.6	92.3	5	6	5	6
3299	Nonmetallic mineral products, n.e.c. -----	118.7	59.3	20.8	38.7	114.1	55.9	19.5	38.7	5	7	5	10

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
33	Primary metal industries	20 007.3	6 312.6	6 926.8	6 767.8	20 078.4	6 299.2	7 113.6	6 665.6	1	1	1	1
331	Blast furnace and basic steel products	10 160.0	3 365.4	3 278.7	3 515.8	10 108.7	3 360.2	3 241.0	3 507.6	1	1	1	1
3312	Blast furnaces and steel mills	7 208.2	2 378.7	2 439.7	2 389.7	7 222.6	2 413.0	2 364.3	2 445.3	1	1	1	1
3313	Electrometallurgical products	246.9	107.8	53.5	85.7	279.7	121.4	58.7	99.6	1	1	1	1
3315	Steel wire and related products	682.5	245.6	135.2	301.7	601.2	235.7	130.7	234.8	3	2	2	5
3316	Cold finishing of steel shapes	1 014.1	276.2	413.5	324.4	1 065.4	261.7	446.6	357.1	1	1	1	1
3317	Steel pipe and tubes	1 008.3	357.1	236.8	414.3	939.8	328.4	240.6	370.8	1	3	1	1
332	Iron and steel foundries	1 376.0	510.7	420.1	445.2	1 417.3	519.6	448.3	449.4	1	2	3	1
3321	Gray and ductile iron foundries	845.3	386.5	178.0	280.7	833.7	393.8	160.3	279.5	1	2	2	1
3322	Malleable iron foundries	23.0	4.4	10.1	8.5	19.5	3.9	9.2	6.5	4	10	4	3
3324	Steel investment foundries	243.5	35.7	141.6	66.3	302.9	40.4	184.9	77.7	2	2	2	3
3325	Steel foundries, n.e.c.	264.2	84.1	90.5	89.7	261.2	81.5	93.9	85.8	5	5	12	3
333	Primary nonferrous metals	1 329.0	257.8	482.7	588.5	1 440.3	255.6	549.4	635.3	1	1	1	1
3331	Primary copper	425.7	56.0	248.5	121.2	483.0	56.3	292.1	134.5	1	1	1	1
3334	Primary aluminum	575.3	86.4	134.8	354.0	608.6	82.8	146.6	379.3	1	1	1	1
3339	Primary nonferrous metals, n.e.c.	328.1	115.5	99.3	113.3	348.7	116.5	110.6	121.6	3	1	3	5
334	Secondary nonferrous metals	651.6	261.9	216.5	173.2	591.8	248.8	185.7	157.2	6	7	10	10
3341	Secondary nonferrous metals	651.6	261.9	216.5	173.2	591.8	248.8	185.7	157.2	6	7	10	10
335	Nonferrous rolling and drawing	5 205.1	1 548.1	2 095.5	1 561.4	5 266.0	1 566.6	2 247.1	1 452.2	1	2	1	2
3351	Copper rolling and drawing	555.6	113.1	257.6	184.9	685.7	149.1	339.2	197.4	2	21	6	13
3353	Aluminum sheet, plate, and foil	1 451.8	356.4	758.2	337.2	1 531.2	363.5	841.8	325.9	2	1	1	4
3354	Aluminum extruded products	447.4	92.2	139.4	215.8	410.4	84.9	123.5	202.0	2	2	1	3
3355	Aluminum rolling and drawing, n.e.c.	62.3	33.9	13.9	14.6	66.1	35.9	14.8	15.4	1	1	1	3
3356	Nonferrous rolling and drawing, n.e.c.	920.0	121.5	442.4	356.1	836.8	112.3	454.0	270.5	1	2	1	1
3357	Nonferrous wiredrawing and insulating	1 767.9	831.1	484.0	452.8	1 735.7	821.0	473.7	441.1	1	1	1	1
336	Nonferrous foundries (castings)	660.2	167.8	251.3	241.1	651.3	159.1	260.3	231.9	2	4	2	2
3363	Aluminum die-castings	239.6	64.9	79.4	95.2	204.6	55.0	69.0	80.7	2	2	4	2
3364	Nonferrous die-castings, except aluminum	96.4	30.0	36.5	29.8	100.6	30.6	40.6	29.4	6	12	9	6
3365	Aluminum foundries	187.3	38.8	79.1	69.5	179.3	40.4	73.2	65.7	3	10	3	3
3366	Copper foundries	80.0	31.1	21.5	27.4	78.5	28.1	22.4	28.0	3	6	10	6
3369	Nonferrous foundries, n.e.c.	57.0	3.0	34.8	19.2	88.3	5.1	55.1	28.2	2	5	1	3
339	Miscellaneous primary metal products	625.4	200.9	182.0	242.5	602.9	189.2	181.8	231.9	2	3	2	3
3398	Metal heat treating	233.0	61.3	61.1	110.7	219.5	58.9	57.2	103.5	3	4	4	3
3399	Primary metal products, n.e.c.	392.4	139.6	121.0	131.8	383.4	130.3	124.7	128.4	2	4	3	4
34	Fabricated metal products	23 490.2	7 750.9	7 023.0	8 716.3	23 621.2	7 831.4	7 243.8	8 546.0	1	1	1	1
341	Metal cans and shipping containers	1 517.6	696.4	222.1	599.1	1 630.1	814.8	227.9	587.4	2	3	3	2
3411	Metal cans	1 391.8	679.6	208.9	503.3	1 499.3	800.6	213.7	485.0	2	3	2	1
3412	Metal barrels, drums, and pails	125.7	16.7	13.3	95.8	130.8	14.2	14.2	102.3	7	5	29	10
342	Cutlery, handtools, and hardware	2 464.5	932.1	814.2	718.2	2 462.3	920.0	795.8	746.6	2	2	2	3
3421	Cutlery	237.0	101.4	64.0	71.6	258.6	104.4	66.3	87.9	4	3	3	7
3423	Hand and edge tools, n.e.c.	747.7	354.7	219.9	173.1	746.2	342.1	226.7	177.4	2	3	2	4
3425	Saw blades and handsaws	189.1	75.8	42.6	70.7	196.5	76.4	40.7	79.4	18	19	7	24
3429	Hardware, n.e.c.	1 290.7	400.2	487.7	402.8	1 261.0	397.1	462.2	401.8	1	2	2	2
343	Plumbing and heating, except electric	959.9	369.8	261.1	329.1	947.1	352.2	267.1	327.9	3	5	4	4
3431	Metal sanitary ware	114.9	40.2	34.7	40.0	129.4	46.6	39.2	43.5	11	33	3	22
3432	Plumbing fixture fittings and trim	467.1	199.7	141.9	125.5	421.2	165.4	131.8	124.1	4	6	7	4
3433	Heating equipment, except electric	377.9	128.8	84.5	163.6	396.5	140.2	96.1	160.3	2	2	5	3
344	Fabricated structural metal products	6 134.6	1 468.5	1 901.3	2 764.8	6 112.3	1 405.3	2 001.0	2 705.9	2	2	2	2
3441	Fabricated structural metal	1 018.9	227.2	404.6	387.1	1 122.8	193.5	509.3	419.9	4	8	4	4
3442	Metal doors, sash, and trim	882.0	251.6	133.6	496.7	871.0	253.6	140.2	477.3	2	2	3	3
3443	Fabricated plate work (boiler shops)	1 344.0	198.5	638.8	506.7	1 376.0	201.2	661.7	513.1	2	4	2	3
3444	Sheet metal work	1 711.0	465.7	460.4	784.9	1 662.9	448.2	463.8	750.9	3	4	3	4
3446	Architectural metal work	330.8	103.0	96.7	131.1	307.8	104.1	77.2	126.5	5	6	10	5
3448	Prefabricated metal buildings	333.1	67.6	73.2	192.2	318.0	70.4	68.2	179.4	5	8	6	5
3449	Miscellaneous metal work	514.9	154.9	94.0	266.0	453.8	134.3	80.7	238.8	2	3	4	3
345	Screw machine products, bolts, etc.	1 479.0	686.3	420.8	371.8	1 487.0	690.4	421.8	374.8	2	2	3	3
3451	Screw machine products	515.4	193.3	182.0	140.0	498.8	191.4	173.5	133.9	3	3	3	5
3452	Bolts, nuts, rivets, and washers	963.6	493.0	238.8	231.8	988.2	499.0	248.3	240.9	3	2	4	4
346	Metal forgings and stampings	3 399.4	794.7	1 332.8	1 271.9	3 205.1	799.9	1 275.5	1 129.7	1	2	1	2
3462	Iron and steel forgings	599.6	86.0	288.8	224.8	570.5	89.6	280.9	200.0	3	4	3	5
3463	Nonferrous forgings	234.1	32.0	155.4	46.6	246.9	61.2	132.7	53.0	3	14	3	3
3465	Automotive stampings	1 152.6	188.5	534.4	429.7	1 047.5	169.9	517.6	360.0	2	4	2	3
3466	Crowns and closures	125.8	60.5	24.2	41.1	132.0	64.9	30.0	37.0	2	2	4	2
3469	Metal stampings, n.e.c.	1 287.4	427.6	330.1	529.7	1 208.2	414.3	314.3	479.6	2	2	2	2
347	Metal services, n.e.c.	946.7	295.6	172.9	478.3	910.2	278.6	164.2	467.5	2	3	4	3
3471	Plating and polishing	391.6	142.6	61.0	188.0	374.1	129.6	60.4	184.2	5	5	9	6
3479	Metal coating and allied services	555.2	153.0	111.9	290.3	536.1	149.0	103.8	283.3	2	2	3	2
348	Ordnance and accessories, n.e.c.	968.2	207.9	482.7	277.5	1 198.3	226.2	667.9	304.1	2	2	2	3
3482	Small arms ammunition	201.3	91.6	54.2	55.5	218.6	93.9	66.4	58.3	1	2	1	1
3483	Ammunition, except for small arms, n.e.c.	332.4	11.0	213.1	108.3	479.7	9.0	347.8	122.9	1	1	1	1
3484	Small arms	350.5	100.0	149.6	100.9	369.1	116.4	147.8	104.9	2	4	3	7
3489	Ordnance and accessories, n.e.c.	84.0	5.3	65.8	12.9	130.8	6.9	105.9	18.0	15	42	9	41
349	Miscellaneous fabricated metal products	5 620.4	2 299.6	1 415.1	1 905.7	5 668.9	2 344.1	1 422.6	1 902.2	1	1	2	2
3491	Industrial valves	1 639.8	628.9	507.8	503.1	1 687.3	698.1	489.1	500.2	2	2	2	3
3492	Fluid power valves and hose fittings	879.1	412.5	236.4	230.2	864.8	388.5	229.9	246.5	2	1	6	2
3493	Steel springs, except wire	81.1	43.2	13.0	24.9	79.0	42.5	11.9	24.7	1	2	3	3
3494	Valves and pipe fittings, n.e.c.	424.2	223.9	82.8	117.5	420.8	225.3	84.6	110.9	3	3	3	6
3495	Wire springs	169.3	79.4	26.5	63.3	153.6	74.0	24.7	55.0	5	5	5	6
3496	Miscellaneous fabricated wire products	569.3	254.6	98.4	216.2	561.6	252.8	99.9	208.9	3	4	5	4
3497	Metal foil and leaf	425.3	178.2	78.5	168.6	441.3	189.8	82.5	169.0	1	2	5	2
3498	Fabricated pipe and fittings	466.4	169.0	100.6	196.8	488.5	171.6	128.2	188.7				

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.				
		A	B	C	D	E	F	G	H	A	B	C	D
35	Industrial machinery and equipment	47 307.6	14 107.2	18 769.9	14 430.5	45 049.5	14 114.8	17 335.3	13 599.5	1	1	1	1
351	Engines and turbines	3 269.1	688.2	2 087.9	493.1	2 963.3	673.0	1 816.6	473.7	1	1	1	1
3511	Turbines and turbine generator sets	1 818.2	246.0	1 410.9	161.3	1 573.2	188.8	1 209.2	175.1	1	1	1	1
3519	Internal combustion engines, n.e.c.	1 451.0	442.2	677.0	331.8	1 390.1	484.2	607.4	298.6	1	1	1	1
352	Farm and garden machinery	2 642.4	1 243.0	601.1	798.3	2 425.9	1 165.6	546.6	713.6	1	2	2	4
3523	Farm machinery and equipment	1 732.4	686.1	491.0	555.3	1 606.5	671.3	446.9	488.3	2	3	2	6
3524	Lawn and garden equipment	910.0	556.9	110.1	243.0	819.4	494.4	99.7	225.3	1	1	1	3
353	Construction and related machinery	6 320.7	2 288.1	1 874.0	2 158.6	6 265.4	2 309.4	1 896.0	2 060.0	1	2	3	2
3531	Construction machinery	3 160.0	1 039.0	1 077.1	1 043.9	3 005.1	1 030.7	999.7	999.7	2	2	4	3
3532	Mining machinery	476.9	190.6	110.2	176.2	431.9	218.5	98.7	114.6	1	9	11	1
3533	Oil and gas field machinery	1 242.5	749.2	218.1	275.2	1 305.7	789.7	240.5	275.6	2	2	2	4
3534	Elevators and moving stairways	137.8	20.5	66.5	50.7	138.9	20.6	70.7	47.6	2	2	3	2
3535	Conveyors and conveying equipment	506.4	101.1	168.8	236.5	549.8	104.7	224.1	221.0	4	2	11	2
3536	Hoists, cranes, and monorails	235.0	50.1	102.6	82.3	234.6	47.1	105.9	81.5	2	3	5	3
3537	Industrial trucks and tractors	562.1	137.5	130.7	293.8	599.4	154.1	125.3	320.0	2	1	6	2
354	Metalworking machinery	5 471.6	1 458.1	2 782.5	1 230.9	5 250.7	1 498.5	2 570.9	1 181.3	1	2	2	2
3541	Machine tools, metal cutting types	1 220.6	274.3	678.1	268.2	1 208.1	282.2	670.0	255.9	2	5	2	4
3542	Machine tools, metal forming types	445.0	115.1	238.4	91.5	447.0	126.5	233.9	86.6	2	2	4	3
3543	Industrial patterns	50.9	4.7	36.0	10.2	43.1	4.5	29.8	8.9	9	8	12	12
3544	Special dies, tools, jigs, and fixtures	1 322.7	180.0	871.9	270.8	1 223.4	208.5	779.6	235.4	3	7	3	5
3545	Machine tool accessories	788.7	380.8	243.3	164.6	784.6	365.0	253.3	166.3	3	5	6	6
3546	Power-driven handtools	428.1	204.8	90.6	132.7	418.6	211.6	83.9	123.1	2	2	6	1
3547	Rolling mill machinery	125.3	11.8	89.6	23.9	123.4	16.3	84.2	22.8	2	10	2	3
3548	Welding apparatus	680.2	221.7	261.1	197.4	631.0	217.8	197.4	215.9	3	3	10	7
3549	Metalworking machinery, n.e.c.	410.0	64.9	273.4	71.7	371.6	66.2	238.9	66.4	5	9	7	4
355	Special industry machinery	5 065.7	1 289.0	2 004.0	1 772.7	4 922.3	1 214.6	1 960.1	1 747.6	1	2	2	1
3552	Textile machinery	514.3	124.3	229.1	160.9	488.1	125.0	210.9	152.1	2	11	3	2
3553	Woodworking machinery	190.0	77.9	64.4	47.6	155.5	62.5	52.3	40.7	6	15	7	12
3554	Paper industries machinery	537.8	166.8	217.3	153.7	534.1	142.8	235.5	157.7	3	6	5	3
3555	Printing trades machinery	713.0	150.3	256.3	306.5	714.3	142.4	262.9	309.0	3	5	4	3
3556	Food products machinery	516.1	164.5	143.1	208.4	500.9	156.6	142.4	201.9	2	5	4	2
3559	Special industry machinery, n.e.c.	2 594.5	605.2	1 093.8	895.6	2 529.4	585.3	1 058.0	886.1	2	2	3	2
356	General industrial machinery	6 602.2	2 469.0	2 121.2	2 012.0	6 604.5	2 455.5	2 162.7	1 986.8	2	2	2	2
3561	Pumps and pumping equipment	1 170.9	477.8	369.4	323.8	1 170.4	477.5	356.0	337.0	2	2	2	2
3562	Ball and roller bearings	841.5	308.2	281.7	251.6	867.1	314.3	244.5	224.5	2	3	2	2
3563	Air and gas compressors	1 053.7	469.0	338.6	246.1	1 098.3	497.8	354.4	246.1	2	1	2	4
3564	Blowers and fans	390.9	89.7	111.4	189.8	368.2	84.9	111.4	171.9	3	6	2	3
3565	Packaging machinery	753.3	214.5	262.5	276.3	776.2	214.4	292.0	269.8	8	11	11	7
3566	Speed changers, drives, and gears	409.3	177.4	151.1	80.9	407.0	176.1	148.0	82.9	1	1	3	1
3567	Industrial furnaces and ovens	345.0	47.5	140.9	156.6	308.6	44.8	117.1	146.7	6	5	11	4
3568	Power transmission equipment, n.e.c.	564.7	290.1	145.0	129.6	545.7	268.3	150.0	127.4	3	2	6	5
3569	General industrial machinery, n.e.c.	1 072.9	395.0	320.7	357.3	1 062.9	383.0	319.5	360.5	3	2	6	6
357	Computer and office equipment	10 578.0	2 480.0	4 427.4	3 670.5	9 534.9	2 643.6	3 672.0	3 219.3	1	1	1	1
3571	Electronic computers	6 162.5	1 380.1	2 694.5	2 087.8	5 326.8	1 466.8	2 067.8	1 792.3	1	1	1	1
3572	Computer storage devices	1 302.0	242.5	667.1	392.5	1 278.0	355.6	544.4	377.9	1	1	1	1
3575	Computer terminals	306.9	59.5	113.9	133.5	305.3	76.2	108.6	120.5	7	8	7	7
3577	Computer peripheral equipment, n.e.c.	1 841.7	443.1	624.7	773.9	1 715.7	432.8	636.1	646.9	2	3	1	2
3578	Calculating and accounting equipment	178.4	43.4	60.1	74.8	173.2	39.8	71.8	71.6	5	12	2	6
3579	Office machines, n.e.c.	786.5	311.5	267.2	207.9	735.9	272.4	253.4	210.1	1	1	1	1
358	Refrigeration and service machinery	3 856.7	1 468.2	972.3	1 416.1	3 733.4	1 450.1	927.0	1 356.3	2	2	4	2
3581	Automatic vending machines	168.5	69.9	37.3	61.3	163.5	68.1	36.1	59.3	1	1	1	1
3582	Commercial laundry equipment	91.3	16.0	30.2	45.1	84.9	16.1	26.2	42.6	2	1	2	1
3585	Refrigeration and heating equipment	2 470.3	1 032.1	583.4	854.8	2 455.9	1 056.8	599.8	799.3	1	2	2	2
3586	Measuring and dispensing pumps	174.3	61.7	53.3	59.3	149.6	38.1	46.6	64.9	9	29	9	22
3589	Service industry machinery, n.e.c.	952.4	288.6	268.2	395.7	879.4	270.9	218.3	390.2	5	3	13	5
359	Industrial machinery, n.e.c.	3 501.2	723.5	1 899.4	878.3	3 349.2	704.9	1 783.4	860.8	2	2	3	3
3592	Carburetors, pistons, rings, and valves	245.4	76.7	92.4	76.4	227.8	71.5	81.3	74.9	1	1	1	1
3593	Fluid power cylinders and actuators	395.1	87.4	193.7	114.0	413.7	92.8	185.5	135.4	2	1	1	3
3594	Fluid power pumps and motors	256.0	78.7	116.0	61.2	256.6	81.5	114.9	60.2	1	1	2	2
3596	Scales and balances, except laboratory	133.4	34.2	53.8	45.5	119.5	31.8	47.1	40.6	10	7	12	10
3599	Industrial machinery, n.e.c.	2 471.2	446.5	1 443.5	581.2	2 331.6	427.2	1 354.7	549.7	2	4	3	4
36	Electronic and other electric equipment	31 518.2	8 199.2	12 273.0	11 046.1	30 511.7	7 693.0	12 306.6	10 512.0	1	1	1	1
361	Electric distribution equipment	1 198.1	275.2	403.4	519.5	1 211.0	293.3	402.4	515.3	2	5	6	5
3612	Transformers, except electronic	510.0	113.3	177.9	218.8	503.1	111.8	176.7	214.5	2	2	3	2
3613	Switchgear and switchboard apparatus	688.1	161.9	225.5	300.7	708.0	181.6	225.6	300.8	2	9	10	8
362	Electrical industrial apparatus	3 282.4	866.0	1 221.8	1 194.7	3 302.8	897.2	1 178.3	1 227.3	1	3	3	3
3621	Motors and generators	1 159.5	360.2	406.1	393.1	1 162.3	375.6	393.7	393.0	1	1	1	1
3624	Carbon and graphite products	318.8	92.2	145.7	80.8	339.1	97.4	149.5	92.1	2	3	3	6
3625	Relays and industrial controls	1 414.9	312.2	550.1	552.6	1 430.1	330.1	526.4	573.6	3	7	6	5
3629	Electrical industrial apparatus, n.e.c.	389.3	101.4	119.7	168.1	371.3	94.0	108.7	168.6	2	3	4	3
363	Household appliances	2 284.1	1 332.3	326.5	625.3	2 067.7	1 154.8	325.3	587.7	1	1	1	2
3631	Household cooking equipment	483.2	299.2	67.0	117.0	427.8	235.5	68.7	123.6	1	1	1	1
3632	Household refrigerators and freezers	493.2	331.8	48.0	113.4	454.1	316.5	40.4	97.2	1	1	1	1
3633	Household laundry equipment	338.6	221.1	43.3	74.2	262.0	163.8	40.0	58.1	1	1	1	1
3634	Electric housewares and fans	471.5	223.7	80.9	166.9	481.4	233.0	68.0	180.4	1	2	2	1
3635	Household vacuum cleaners	236.4	128.9	51.3	56.2	231.3	114.5	68.5	48.3	7	8	2	12
3639	Household appliances, n.e.c.	261.4	127.6	36.0	97.8	211.3	91.6	39.7	80.0	1	1	1	1
364	Electric lighting and wiring equipment	2 976.8	1 121.5	595.7	1 259.6	2 976.3	1 181.5	594.8	1 200.0	1	2	2	2
3641	Electric lamp bulbs and tubes	306.7	129.2	22.9	154.6	321.6	138.4	21.5	161.8	1	2	5	2
3643	Current-carrying wiring devices	789.5	282.1	221.7	285.7	780.4	292.4	224.8	263.2	1	4	4	2
3644	Noncurrent-carrying wiring devices	538.0	256.3	95.0	186.7	573.5	307.2	94.3	171.9	1	1	2</	

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.					
		A	B	C	D	E	F	G	H	A	B	C	D	
36	Electronic and other electric equipment—Con.													
366	Communications equipment.....	7 299.9	1 628.5	2 942.1	2 729.4	6 632.3	1 424.7	2 624.8	2 582.9	1	2	2	2	
3661	Telephone and telegraph apparatus	2 839.4	669.5	957.6	1 212.3	2 661.0	589.1	985.2	1 086.7	2	2	1	3	
3663	Radio and television communications equipment	3 912.1	781.7	1 864.6	1 265.8	3 425.7	659.2	1 521.1	1 245.4	1	3	2	2	
3669	Communications equipment, n.e.c.	548.4	177.3	119.8	251.2	545.6	176.4	118.5	250.8	2	2	2	2	
367	Electronic components and accessories	10 595.6	1 917.7	5 486.0	3 191.9	10 633.4	1 721.9	5 979.1	2 932.4	1	1	1	1	
3671	Electron tubes	415.2	116.2	146.2	152.8	462.3	131.7	133.5	147.5	1	1	1	1	
3672	Printed circuit boards	804.5	122.2	423.8	258.4	911.4	102.8	509.7	298.9	3	5	2	7	
3674	Semiconductors and related devices.....	3 576.1	698.4	1 952.2	925.5	3 179.9	608.4	1 791.0	780.5	1	2	1	1	
3675	Electronic capacitors.....	266.2	84.6	88.1	93.6	256.4	75.9	92.4	88.2	2	2	2	2	
3676	Electronic resistors	162.9	60.0	51.8	51.1	155.3	58.1	47.6	49.5	3	2	7	3	
3677	Electronic coils and transformers.....	176.8	31.8	44.9	100.1	175.9	31.5	46.0	98.3	6	7	6	6	
3678	Electronic connectors	644.3	187.9	254.6	201.8	629.2	176.6	263.6	189.0	1	2	1	2	
3679	Electronic components, n.e.c.	4 549.6	616.6	2 524.4	1 408.6	4 912.7	536.9	3 095.3	1 280.5	1	3	1	2	
369	Miscellaneous electrical equipment and supplies	2 925.3	752.8	1 123.1	1 049.4	2 741.6	689.1	1 052.9	999.5	2	2	2	2	
3691	Storage batteries	440.0	179.5	150.7	109.9	462.3	163.6	170.4	128.4	2	2	3	2	
3692	Primary batteries, dry and wet	172.2	32.3	64.6	75.4	159.4	30.6	59.3	69.5	1	1	1	1	
3694	Engine electrical equipment	811.1	244.0	217.7	349.4	720.1	228.5	189.9	301.7	4	4	7	4	
3695	Magnetic and optical recording media	387.7	130.4	82.8	174.5	362.3	113.7	71.1	177.6	1	2	1	1	
3699	Electrical equipment and supplies, n.e.c.	1 114.2	166.5	607.3	340.3	1 037.5	152.9	562.2	322.4	2	5	1	3	
37	Transportation equipment	61 356.1	7 065.9	41 084.9	13 205.3	58 826.6	7 724.8	38 743.4	12 358.3	1	1	1	1	
371	Motor vehicles and equipment	13 594.7	2 639.2	4 668.7	6 286.7	12 894.3	2 812.1	4 305.8	5 776.3	1	1	1	1	
3711	Motor vehicles and car bodies	4 253.5	457.7	1 588.8	2 207.0	4 104.5	607.9	1 533.6	1 963.0	1	1	1	1	
3713	Truck and bus bodies	794.4	154.8	239.9	399.7	733.9	133.9	267.3	337.2	2	3	4	3	
3714	Motor vehicle parts and accessories.....	7 576.4	1 837.2	2 598.3	3 140.9	7 105.6	1 850.8	2 264.1	2 990.8	1	2	1	1	
3715	Truck trailers	477.8	63.7	97.6	316.5	445.1	75.0	83.6	286.6	2	3	3	2	
3716	Motor homes	492.6	125.7	144.2	222.7	505.1	144.5	157.3	203.3	2	3	1	4	
372	Aircraft and parts	39 439.3	3 473.4	30 880.1	5 085.8	37 430.4	3 978.3	28 499.6	4 952.6	1	1	1	1	
3721	Aircraft	30 153.5	1 388.6	25 391.4	3 373.6	27 150.4	1 547.0	22 490.2	3 113.2	1	1	1	1	
3724	Aircraft engines and engine parts	4 312.3	1 236.2	2 061.2	1 014.9	4 310.4	1 403.4	1 867.9	1 039.1	1	1	1	3	
3728	Aircraft parts and equipment, n.e.c.	4 973.5	848.6	3 427.6	697.4	5 969.7	1 027.9	4 141.5	800.3	1	1	1	2	
373	Ship and boat building and repairing	1 899.2	249.5	1 142.5	507.2	1 962.3	265.2	1 198.4	498.7	2	4	2	2	
3731	Ship building and repairing	1 190.9	32.1	947.7	211.1	1 279.0	32.6	1 030.0	216.4	2	2	2	4	
3732	Boat building and repairing	708.3	217.4	194.8	296.2	683.3	232.7	168.4	282.2	3	5	8	3	
374	Railroad equipment	1 102.9	285.6	490.2	327.1	991.9	293.1	444.4	254.4	2	4	2	3	
3743	Railroad equipment	1 102.9	285.6	490.2	327.1	991.9	293.1	444.4	254.4	2	4	2	3	
375	Motorcycles, bicycles, and parts	283.9	135.9	52.7	95.3	234.8	93.7	49.9	91.3	1	1	1	1	
3751	Motorcycles, bicycles, and parts	283.9	135.9	52.7	95.3	234.8	93.7	49.9	91.3	1	1	1	1	
376	Guided missiles, space vehicles, parts	3 931.3	40.9	3 363.6	526.7	4 267.0	47.7	3 788.7	430.6	1	1	1	1	
3761	Guided missiles and space vehicles	3 039.3	(D)	2 631.2	(D)	2 768.0	(D)	2 468.4	(D)	1	(X)	1	(X)	
3764	Space propulsion units and parts	442.5	(D)	329.7	(D)	1 101.3	(D)	973.3	(D)	1	(X)	1	(X)	
3769	Space vehicle equipment, n.e.c.	449.6	(D)	402.7	(D)	397.6	(D)	347.0	(D)	1	(X)	1	(X)	
379	Miscellaneous transportation equipment.....	1 104.9	241.3	487.1	376.5	1 045.9	234.7	456.7	354.5	1	3	1	2	
3792	Travel trailers and campers	210.6	90.8	24.6	95.2	210.3	94.9	21.3	94.1	2	3	5	3	
3795	Tanks and tank components	413.2	3.4	381.8	28.0	401.7	8.7	363.9	29.1	1	2	1	1	
3799	Transportation equipment, n.e.c.	481.1	147.2	80.6	253.3	433.9	131.2	71.5	231.2	2	3	4	2	
38	Instruments and related products	23 320.9	6 105.2	10 414.0	6 801.8	23 758.3	6 012.9	10 887.1	6 858.3	1	1	1	1	
381	Search and navigation equipment	6 261.3	276.0	5 180.5	804.8	7 109.2	268.8	5 860.0	980.4	1	3	1	3	
3812	Search and navigation equipment	6 261.3	276.0	5 180.5	804.8	7 109.2	268.8	5 860.0	980.4	1	3	1	3	
382	Measuring and controlling devices.....	6 658.9	1 760.4	2 273.6	2 625.0	6 669.0	1 764.8	2 328.1	2 576.2	1	2	1	2	
3821	Laboratory apparatus and furniture	400.3	146.1	80.0	174.3	377.9	126.5	89.5	161.8	2	2	5	3	
3822	Environmental controls	413.1	134.6	162.8	115.7	419.3	140.9	167.3	111.0	4	3	3	7	
3823	Process control instruments	1 231.2	306.7	385.4	539.1	1 228.0	286.2	405.1	536.6	2	2	3	2	
3824	Fluid meters and counting devices.....	278.5	49.5	119.2	109.8	289.4	53.9	119.0	116.5	1	1	1	1	
3825	Instruments to measure electricity	1 736.1	390.6	675.8	669.8	1 751.7	410.5	704.9	636.3	2	3	2	2	
3826	Analytical instruments	1 085.2	381.3	233.0	470.9	1 075.7	374.7	252.3	448.7	4	4	5	3	
3827	Optical instruments and lenses.....	539.6	109.6	284.6	145.4	543.2	123.4	268.4	151.5	2	2	2	3	
3829	Measuring and controlling devices, n.e.c.	974.7	242.0	332.8	399.9	983.8	248.6	321.5	413.8	2	6	4	5	
384	Medical instruments and supplies	7 024.4	2 913.0	1 721.5	2 389.9	7 020.8	2 921.3	1 686.9	2 412.7	1	1	2	1	
3841	Surgical and medical instruments	2 359.9	1 001.5	557.0	801.4	2 285.2	954.6	528.9	801.8	2	2	4	2	
3842	Surgical appliances and supplies	2 363.1	1 064.2	503.3	795.6	2 396.5	1 084.7	519.6	792.3	1	1	1	2	
3843	Dental equipment and supplies.....	355.5	146.5	103.2	105.8	340.6	146.5	98.2	95.9	3	2	2	7	
3844	X-ray apparatus and tubes.....	623.1	192.7	227.1	203.3	658.2	205.5	229.5	223.2	1	1	1	1	
3845	Electromedical equipment	1 322.8	508.1	330.9	483.8	1 340.2	530.1	310.6	499.5	1	1	2	2	
385	Ophthalmic goods	565.1	368.7	84.3	112.1	541.5	351.8	73.5	116.3	2	2	2	2	
3851	Ophthalmic goods	565.1	368.7	84.3	112.1	541.5	351.8	73.5	116.3	2	2	2	2	
386	Photographic equipment and supplies.....	2 636.1	697.9	1 106.2	832.0	2 239.5	614.9	889.6	735.0	1	1	1	1	
3861	Photographic equipment and supplies.....	2 636.1	697.9	1 106.2	832.0	2 239.5	614.9	889.6	735.0	1	1	1	1	
387	Watches, clocks, watchcases, and parts	175.2	89.2	48.0	38.1	178.2	91.3	49.1	37.8	2	2	1	7	
3873	Watches, clocks, watchcases, and parts	175.2	89.2	48.0	38.1	178.2	91.3	49.1	37.8	2	2	1	7	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of 1993—Con.

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

SIC code	Industry group and industry	End of 1993				Beginning of 1993 ²				Standard error of estimate ³ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H				
39	Miscellaneous manufacturing industries	7 122.1	3 195.0	1 369.4	2 557.8	6 891.8	3 082.3	1 302.8	2 506.6	1	1	2	1
391	Jewelry, silverware, and plated ware	1 399.9	726.2	220.3	453.3	1 328.6	694.6	200.4	433.5	2	3	4	3
3911	Jewelry, precious metal	975.4	472.0	151.6	351.7	929.4	450.2	138.4	340.9	3	3	5	3
3914	Silverware and plated ware	205.7	145.1	28.1	32.4	195.2	140.3	27.1	27.8	5	5	13	7
3915	Jewelers' materials and lapidary work	218.9	109.1	40.6	69.2	204.0	104.2	35.0	64.8	2	2	4	4
393	Musical instruments	268.5	78.8	102.0	87.6	259.5	79.7	95.9	84.0	1	2	2	1
3931	Musical instruments	268.5	78.8	102.0	87.6	259.5	79.7	95.9	84.0	1	2	2	1
394	Toys and sporting goods	2 156.0	1 050.6	344.2	761.3	2 090.1	1 009.3	342.4	738.5	2	2	3	2
3942	Dolls and stuffed toys	58.5	33.6	8.6	16.4	59.8	32.9	8.5	18.4	6	3	4	17
3944	Games, toys, and children's vehicles	649.3	295.2	111.8	242.3	584.8	255.5	109.8	219.4	2	2	2	3
3949	Sporting and athletic goods, n.e.c.	1 448.3	721.8	223.9	502.6	1 445.6	720.8	224.1	500.6	3	3	5	2
395	Pens, pencils, office, and art supplies	604.9	267.0	116.2	221.6	642.2	290.1	119.3	232.8	3	2	2	5
3951	Pens and mechanical pencils	250.8	102.8	60.0	88.0	277.7	114.3	65.0	98.4	2	4	2	3
3952	Lead pencils and art goods	199.5	104.4	36.2	58.9	198.8	104.9	34.8	59.1	1	1	1	2
3953	Marking devices	56.2	24.6	5.0	26.7	55.4	25.5	6.2	23.8	18	8	19	38
3955	Carbon paper and inked ribbons	98.4	35.3	15.0	48.1	110.2	45.4	13.3	51.5	7	11	3	7
396	Costume jewelry and notions	392.2	176.7	92.4	123.1	376.7	172.1	89.7	114.9	2	2	3	2
3961	Costume jewelry	216.3	104.3	46.9	65.2	213.1	101.7	45.2	66.2	2	2	2	3
3965	Fasteners, buttons, needles, and pins	175.9	72.4	45.5	57.9	163.7	70.5	44.5	48.7	2	5	4	4
399	Miscellaneous manufactures	2 300.6	895.6	494.1	910.8	2 194.6	836.5	455.1	903.0	2	2	4	2
3991	Brooms and brushes	216.2	104.1	25.2	86.8	210.8	97.5	28.2	85.1	4	7	3	3
3993	Signs and advertising specialties	622.2	137.1	225.4	259.7	593.4	135.6	191.7	266.1	4	4	8	5
3995	Burial caskets	117.6	68.6	21.5	27.6	111.4	63.3	20.0	28.1	5	5	2	8
3996	Hard surface floor coverings, n.e.c.	199.3	131.7	26.0	41.6	209.3	140.9	24.4	44.1	1	1	1	1
3999	Manufacturing industries, n.e.c.	1 145.2	454.1	196.0	495.1	1 069.8	399.3	190.9	479.6	2	3	3	2

¹Beginning in 1982 Economic Censuses, all respondents were requested to report their inventories at cost or market prior to any adjustment of LIFO cost. This is a change from prior censuses and annual survey of manufactures in which respondents were permitted to value their inventories using any generally accepted accounting method. For further explanation, see Introduction.

²Beginning-of-year inventories data shown for 1993 in this table differ from the corresponding end-of-year data published in the 1992 Census of Manufactures because of revisions to establishment data originally reported. See Introduction for further explanation of these differences.

³Description of standard error of estimate is given in Introduction under Qualifications of the Data. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Appendix

Explanation of Terms

ALL EMPLOYEES

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

Production Workers

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

All Other Employees

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

EMPLOYMENT AND PAYROLL FOR AUXILIARIES

Information on employment during the payroll period which included March 12 and annual payrolls also was

requested of auxiliary units (administrative offices, warehouses, research and development laboratories, etc.) of multiestablishment companies. However, these figures are not included in the totals for individual industries shown in this report.

The employment and payroll data shown for central administrative offices and auxiliary units represent the total for all such units which primarily serve manufacturing plants.

AVERAGE EMPLOYMENT

The annual survey report forms requested employment figures for "production workers" for four selected pay periods (production workers' midmonth employment in March, May, August, and November). For "all other employees" only a mid-March figure was requested. Thus the "annual average" is composed of an average of the four monthly figures for the "production workers" plus the March figure for "all other employees."

PAYROLL

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

PRODUCTION-WORKER HOURS

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

VALUE ADDED BY MANUFACTURE

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

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

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

COST OF MATERIALS

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

The important components of this cost item are:

1. All raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies or repair and maintenance during the year
2. Electric energy purchased
3. Fuels consumed for heat, power, or the generation of electricity
4. Work done by others on materials or parts furnished by manufacturing establishments (contract work)
5. Products bought and resold in the same condition

See discussion of duplication of data below.

VALUE OF SHIPMENTS

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

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

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

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

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

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

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

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

NEW AND USED CAPITAL EXPENDITURES

For establishments in operation and any known plants under construction, manufactures were asked to report their new expenditures for:

1. Permanent additions and major alterations to manufacturing establishments
2. Machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained

The totals for new expenditures include expenditures leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under private contract by private companies, and plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded.

Manufacturers also were requested to report the value of all used buildings and equipment purchased during the year at the purchase price. For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. Furthermore, if the establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported under used capital expenditures.

END-OF-YEAR INVENTORIES

Respondents were asked to report their 1993 and 1992 end-of-year inventories at cost or market. Effective with the 1982 Economic Censuses, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). In 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Because of this change in reporting instructions, 1982 through 1993 data for inventories and value added by manufacture included in this report are not comparable to the prior-year data shown in table 1a of this report and in historical censuses of manufactures and ASM publications.

When using inventory data by stage of fabrication for "all industries" and at the two-digit industry level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw

material by another establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for individual industries, industry groups, and manufacturing totals, which are aggregates of figures reported by establishments in specified industries.

LABOR COSTS

Supplemental labor costs are divided into legally required expenditures and payment for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free-parking lots, discounts on employee purchases, and uniforms and work clothing for employees. While the excluded items do benefit employees and all or part of their cost generally is similar to the items covered in the ASM labor costs statistics, accounting records generally do not provide reliable figures on net employee benefits of these types.

COST OF FUELS CONSUMED FOR HEAT, POWER, OR GENERATION OF ELECTRICITY, AND ELECTRIC ENERGY USED FOR HEAT AND POWER

These items refer to fuels and electric energy consumed for heat, power, or generation of electricity whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year. Data on the quantity of purchased electric energy and quantity of generated-less-sold electric energy are included. The cost and quantity of purchased electric energy represent the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.