

Manufacturers' Shipments, Inventories, and Orders

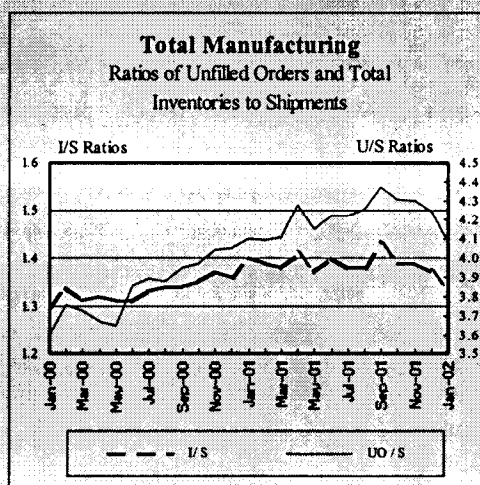
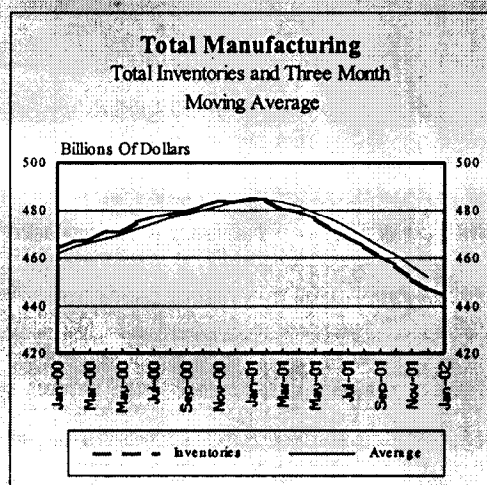
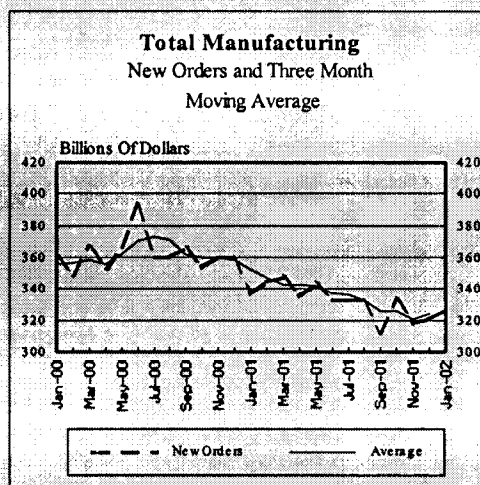
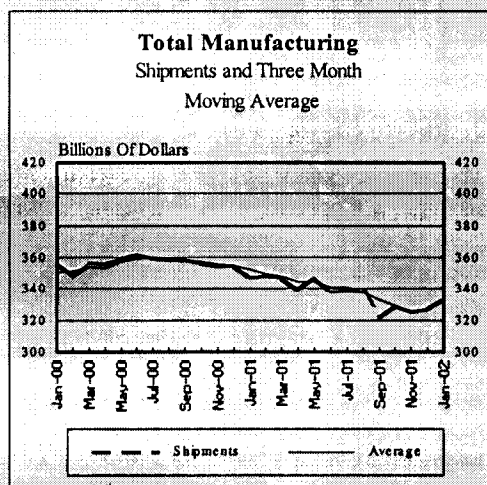
January
2002

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For Wire Transmslsslon 10:00 a.m. E.S.T., March 6, 2002

All figures in the text are in seasonally adjusted current dollars



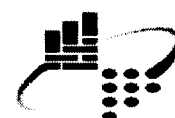
For data, call 301-457-4673. For inquiries, contact Lee Wentela or Derrick Roy, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900 or call 301-457-4804 or 301-457-4814. The advance report on durable good for February is scheduled for March 26, 2002 at 8:30 a.m. and the full report on April 2, 2002 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Our Internet address is : <http://www.census.gov/indicator/www/m3>

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Summary

New orders for manufactured goods in January increased \$5.2 billion or 1.6 percent to \$325.8 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.7 percent December increase. New orders for January 2002 were 3.4 percent below January 2001.

Shipments increased \$6.5 billion or 2.0 percent to \$333.2 billion, following a 0.6 percent December increase. Shipments for January 2002 were 4.1 percent below January 2001.

Unfilled orders, down twelve of the last thirteen months, decreased \$7.4 billion or 1.4 percent to \$536.4 billion, following a 1.1 percent December decrease. The unfilled orders-to-shipments ratio was 4.08, down from 4.24 in December.

Inventories, down twelve consecutive months, decreased \$2.8 billion or 0.6 percent to \$444.4 billion, following a 0.9 percent December decrease. The inventories-to-shipments ratio was 1.33, down from 1.37 in December.

New Orders

New Orders for manufactured durable goods in January increased \$3.5 billion or 2.0 percent to \$178.0 billion, revised from the previously published 2.6 percent increase.

Transportation equipment, led by motor vehicles and parts, had the largest increase, \$2.0 billion or 4.1 percent to \$51.0 billion. Computers and electronic products, up four consecutive months, increased \$0.6 billion or 1.9 percent to \$34.0 billion, due to semiconductors.

New orders for nondurable goods increased \$1.7 billion or 1.1 percent to \$147.8 billion, led by an increase in food products.

Shipments

Shipments of durable goods in January increased \$4.8 billion or 2.6 percent to \$185.5 billion, revised from the previously published 2.9 percent increase.

Transportation equipment, up four consecutive months, had the largest increase, \$1.5 billion or 2.7 percent to \$55.7 billion, due to motor vehicles and parts. With the largest increase on record, machinery increased \$1.3 billion or 5.8 percent to \$23.6 billion,

mostly due to turbines, generators, and other power transmission equipment. Computers and electronic products, up four consecutive months, increased \$0.7 billion or 1.9 percent to \$34.7 billion, due to semiconductors. Primary metals increased \$0.6 billion or 5.1 percent to \$11.5 billion; this was the largest increase since December 1994.

Shipments of nondurable goods increased \$1.7 billion or 1.1 percent to \$147.8 billion. Food products had the largest increase.

Unfilled Orders

Unfilled Orders for durable goods in January, down twelve of the last thirteen months, decreased \$7.4 billion or 1.4 percent to \$536.4 billion, revised from the previously published 1.3 percent decrease.

Transportation equipment, down seven of the last eight months, had the largest decrease, \$4.7 billion or 1.7 percent to \$272.0 billion. Machinery, down six of the last seven months, decreased \$0.8 billion or 1.4 percent to \$57.2 billion. Computers and electronic products, down fourteen consecutive months, decreased \$0.7 billion or 0.6 percent to \$124.4 billion.

Inventories

Inventories of durable goods in January, down twelve consecutive months, decreased \$1.7 billion or 0.6 percent to \$281.0 billion, unrevised from the previously published 0.6 percent decrease. Durable goods inventories were at their lowest level since November 1997.

Transportation equipment, down seven of the last nine months, had the largest decrease, \$0.6 billion or 0.7 percent to \$73.5 billion. Primary metals decreased \$0.4 billion or 1.8 percent to 19.4 billion. Machinery, down ten consecutive months, decreased \$0.3 billion or 0.7 percent to \$48.2 billion.

Inventories of nondurable goods, down twelve consecutive months, decreased \$1.1 billion or 0.7 percent to \$163.5 billion.

By stage of fabrication, January finished goods decreased 1.3 percent in durables and 1.2 percent in nondurables. Work in process increased 0.2 percent in durables and 0.9 percent in nondurables. Materials and supplies decreased 0.8 percent in durables and 0.6 percent in nondurables.

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The advance report on durable goods for February is scheduled for March 26, 2002 at 8:30 a.m and the full report on April 2, 2002 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Percent Change Jan. 02/01	Year to date	
	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Jan. 2001		2002 ^p	2001
All manufacturing industries.....	333,246	326,794	324,866	+2.0	+0.6	-1.2	299,412	320,557	322,099	310,698	-3.6	299,412	310,698
Excluding transportation.....	277,533	272,570	271,785	+1.8	+0.3	-1.9	250,385	268,749	268,311	268,454	-6.7	250,385	268,454
Excluding defense.....	324,959	318,468	317,455	+2.0	+0.3	-1.3	292,709	310,832	314,447	305,253	-4.1	292,709	305,253
Durable goods industries.....	185,461	180,676	179,439	+2.6	+0.7	-0.4	162,232	180,413	177,300	167,894	-3.4	162,232	167,894
Wood products.....	7,034	6,932	6,963	+1.5	-0.4	-0.1	6,079	6,113	6,520	5,759	+5.6	6,079	5,759
Nonmetallic mineral products.....	7,491	7,358	7,332	+1.8	+0.4	-1.3	6,593	6,151	7,186	6,559	+0.5	6,593	6,559
Primary metals.....	11,458	10,901	11,215	+5.1	-2.8	-2.9	11,031	9,545	10,915	11,934	-7.6	11,031	11,934
Iron and steel mills.....	4,962	4,828	4,840	+2.8	-0.2	-2.8	4,789	4,155	4,632	5,087	-5.9	4,789	5,087
Aluminum and nonferrous metals.....	5,248	4,842	5,130	+8.4	-5.6	-3.7	5,066	4,357	5,057	5,637	-10.1	5,066	5,637
Ferrous metal foundries.....	1,248	1,231	1,245	+1.4	-1.1	+0.2	1,176	1,033	1,226	1,210	-2.8	1,176	1,210
Fabricated metal products.....	20,258	19,917	20,089	+1.7	-0.9	-1.0	18,554	18,147	19,772	18,869	-1.7	18,554	18,869
Machinery.....	23,605	22,319	22,721	+5.8	-1.8	-3.5	19,958	22,552	21,301	22,346	-10.7	19,958	22,346
Farm machinery.....	1,475	1,551	1,494	-4.9	+3.8	+4.7	1,302	1,204	1,106	1,193	+9.1	1,302	1,193
Construction machinery.....	1,499	1,486	1,547	+0.9	-3.9	-4.2	1,317	1,359	1,339	1,515	-13.1	1,317	1,515
Mining, oil field, and gas field machinery.....	1,018	1,053	1,063	-3.3	-0.9	+0.6	930	1,149	1,003	926	+0.4	930	926
Industrial machinery.....	3,463	3,321	3,118	+4.3	+6.5	-1.6	3,196	3,844	2,791	4,141	-22.8	3,196	4,141
Photographic equipment.....	1,241	1,262	1,170	-1.7	+7.9	-13.5	1,018	1,348	1,175	1,054	-3.4	1,018	1,054
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,556	2,602	2,589	-1.8	+0.5	+2.2	2,109	2,385	2,432	2,262	-6.8	2,109	2,262
Metalworking machinery.....	2,102	2,050	2,042	+2.5	+0.4	-8.1	1,601	2,105	2,272	1,876	14.7	1,601	1,876
Turbines, generators, and other power transmission equipment.....	3,459	2,314	2,933	+49.5	-21.1	-9.2	2,367	2,843	2,823	2,502	-5.4	2,367	2,502
Material handling equipment.....	1,562	1,470	1,503	+6.3	-2.2	-2.8	1,463	1,430	1,404	1,823	-19.7	1,463	1,823
Computers and electronic products.....	34,666	34,003	33,232	+1.9	+2.3	+0.2	28,558	41,237	33,113	36,095	-20.9	28,558	36,095
Electronic computers.....	5,469	5,389	5,436	+1.5	-0.9	+1.5	4,466	6,641	4,968	6,225	-28.3	4,466	6,225
Computer storage devices.....	1,263	1,226	1,106	+3.0	+10.8	-4.7	813	1,971	991	856	-5.0	813	856
Nondefense communications equipment.....	5,568	5,698	5,528	-2.3	+3.1	-2.4	4,146	8,053	5,318	5,944	-30.2	4,146	5,944
Defense communications equipment.....	326	299	281	+9.0	+6.4	-1.7	287	327	277	239	+20.1	287	239
Audio and video equipment.....	946	1,214	1,069	-22.1	+13.6	+13.7	803	1,406	1,206	784	+2.4	803	784
Semiconductors.....	6,830	5,908	5,900	+15.6	+0.1	-4.8	5,963	6,560	6,294	8,319	-28.3	5,963	8,319
Electronic components.....	3,936	3,881	3,961	+1.4	-2.0	+2.4	3,508	3,935	4,136	5,128	-31.6	3,508	5,128
Nondefense search and navigation equipment.....	725	707	687	+2.5	+2.9	-0.3	637	766	697	636	+0.2	637	636
Defense search and navigation equipment.....	1,705	1,755	1,721	-2.8	+2.0	+1.8	1,469	2,117	1,754	1,538	-4.5	1,469	1,538
Electromedical, measuring, and control instruments.....	5,446	5,497	5,092	-0.9	+8.0	+1.9	4,597	6,310	4,939	4,434	+3.7	4,597	4,434
Electrical equipment, appliances, and components.....	9,735	9,925	9,693	-1.9	+2.4	-4.2	8,237	10,042	9,330	9,693	-15.0	8,237	9,693
Electric lighting equipment.....	1,156	1,153	1,105	+0.3	+4.3	-8.7	985	1,341	1,110	1,053	-6.5	985	1,053
Household appliances.....	2,092	2,162	2,074	-3.2	+4.2	-0.3	1,738	2,116	1,983	1,667	+4.3	1,738	1,667
Electrical equipment.....	2,861	3,029	3,014	-5.5	+0.5	-1.3	2,348	3,228	2,744	2,740	-14.3	2,348	2,740
Batteries.....	525	503	515	+4.4	-2.3	-5.2	418	530	647	436	-4.1	418	436
Transportation equipment.....	55,713	54,224	53,081	+2.7	+2.2	+2.3	49,027	51,808	53,788	42,244	+16.1	49,027	42,244
Automobiles.....	9,120	8,220	7,997	+10.9	+2.8	-1.9	8,422	7,024	8,138	6,702	+25.7	8,422	6,702
Light trucks and utility vehicles.....	12,275	11,404	11,277	+7.6	+1.1	+4.7	11,329	9,745	11,431	8,668	+30.7	11,329	8,668
Heavy duty trucks.....	925	946	886	-2.2	+6.8	-6.3	811	810	831	918	-11.7	811	918
Motor vehicle bodies, parts, and trailers.....	16,916	16,636	16,624	+1.7	+0.1	+2.3	15,889	14,070	16,687	14,779	+7.5	15,889	14,779
Nondefense aircraft and parts.....	7,713	8,312	8,504	-7.2	-2.3	+4.8	5,685	10,339	8,738	5,605	+1.4	5,685	5,605
Defense aircraft and parts.....	2,910	2,731	2,819	+6.6	-3.1	+14.8	2,258	3,476	2,987	1,721	+31.2	2,258	1,721
Ships and boats.....	1,776	1,717	1,761	+3.4	-2.5	-1.3	1,445	1,660	1,691	1,452	-0.5	1,445	1,452
Furniture and related products.....	5,842	5,681	5,683	+2.8	0.0	-1.6	5,483	5,408	5,639	5,896	-7.0	5,483	5,896
Miscellaneous durable goods.....	9,659	9,416	9,430	+2.6	-0.1	-1.1	8,712	9,410	9,736	8,499	+2.5	8,712	8,499
Nondurable goods industries.....	147,785	146,118	145,427	+1.1	+0.5	-2.1	137,180	140,144	144,799	142,804	-3.9	137,180	142,804
Food products.....	39,262	38,598	38,441	+1.7	+0.4	-0.3	37,056	38,605	39,649	35,199	+5.3	37,056	35,199
Grain and oilseed milling.....	4,238	4,238	4,215	0.0	+0.5	+0.3	4,195	4,060	4,421	4,076	+2.9	4,195	4,076
Dairy products.....	5,782	5,661	5,619	+2.1	+0.7	-4.3	5,397	5,586	5,841	4,869	+10.8	5,397	4,869
Meat, poultry, and seafood products.....	11,771	11,709	11,684	+0.5	+0.2	+1.2	10,938	11,616	11,877	10,395	+5.2	10,938	10,395
Beverage and tobacco products.....	9,828	9,929	9,410	-1.0	+5.5	-8.0	8,694	9,285	9,216	8,439	+3.0	8,694	8,439
Beverages.....	5,768	5,904	5,884	-2.3	+0.3	+1.9	4,882	5,451	5,678	4,642	+5.2	4,882	4,642
Tobacco.....	4,060	4,025	3,526	+0.9	+14.2	-21.0	3,812	3,834	3,538	3,797	+0.4	3,812	3,797
Textile mills.....	3,543	3,569	3,534	-0.7	+1.0	-6.3	3,123	3,293	3,448	3,697	-15.5	3,123	3,697
Textile products.....	2,785	2,822	2,849	1.3	-0.9	+0.6	2,413	2,512	2,723	2,418	-0.2	2,413	2,418
Apparel.....	5,122	5,228	5,018	-2.0	+4.2	-0.9	4,503	4,218	4,989	4,763	-5.5	4,503	4,763
Leather and allied products.....	665	682	698	-2.5	-2.3	-1.7	567	809	727	718	-21.0	567	718
Paper products.....	12,706	12,393	12,563	+2.5	-1.4	-3.5	12,347	11,926	12,454	13,179	-6.3	12,347	13,179
Pulp, paper, and paperboard mills.....	5,692	5,517	5,719	+3.2	-3.5	-5.7	5,623	5,297	5,663	6,262	-10.2	5,623	6,262
Paperboard containers.....	3,972	3,875	3,844	+2.5	+0.8	-3.0	3,847	3,603	3,788	3,972	-3.1	3,847	3,972
Printing.....	8,059	8,015	7,979	+0.5	+0.5	-2.4	7,454	8,142	8,507	8,009	-6.9	7,454	8,009
Petroleum and coal products.....	16,525	16,195	15,691	+2.0	+3.2	-8.8	14,830	15,294	15,686	18,306	-19.0	14,830	18,306
Petroleum refineries.....	14,900	14,685	14,117	+1.5	+4.0	-6.1	13,671	14,164	14,191	16,909	-19.1	13,671	16,909
Basic chemicals.....	34,217	33,898	34,625	+0.9	-2.1	-0.6	32,162	33,090	33,411	34,441	-6.6	32,162	34,441
Pesticides, fertilizers, and other agricultural chemicals.....	1,645	1,638	1,809	+0.4	-9.5	+7.2	1,435	1,277	1,217	1,595	-10.0	1,435	1,595
Pharmaceuticals and medicines.....	9,451	9,673	9,864	-2.3	-1.9	+0.8	9,272	10,152	9,944	10,069	-7.9	9,272	10,069
Paints, coatings, and adhesives.....	2,551	2,527	2,549	+0.9	-0.9	+1.4	2,303	2,157	2,332	2,264	+1.7	2,303	2,264
Plastics and rubber products.....	15,073	14,789	14,619	+1.9	+1.2	-1.1	14,031	12,970	13,989	13,635	+2.9	14,031	13,635

^p Preliminary ^r Revised

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Percent Change Jan. 02/01	Year to date	
	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Jan. 2001		2002 ^p	2001
All manufacturing industries.....	325,811	320,616	318,379	+1.6	+0.7	-4.3	302,183	320,151	313,679	316,517	-4.5	302,183	316,517
Excluding transportation.....	274,791	271,610	270,247	+1.2	+0.5	-0.9	253,480	267,330	265,624	270,890	-6.4	253,480	270,890
Excluding defense.....	319,138	313,769	311,826	+1.7	+0.6	-0.3	294,978	307,063	307,177	310,509	-5.0	294,978	310,509
Durable goods industries.....	178,026	174,498	172,952	+2.0	+0.9	-6.1	165,003	180,007	168,880	173,713	-5.0	165,003	173,713
Primary metals.....	11,104	10,778	10,823	+3.0	-0.4	-0.4	11,357	9,783	10,511	12,482	-9.0	11,357	12,482
Iron and steel mills.....	4,788	4,871	4,626	-1.7	+5.3	+1.3	5,018	4,421	4,436	5,334	-5.9	5,018	5,334
Aluminum and nonferrous metals.....	5,046	4,664	4,996	+8.2	-6.6	-1.4	5,073	4,267	4,906	5,932	-14.5	5,073	5,932
Ferrous metal foundries.....	1,270	1,243	1,201	+2.2	+3.5	-2.1	1,266	1,095	1,169	1,216	+4.1	1,266	1,216
Fabricated metal products.....	19,983	19,641	19,488	+1.7	+0.8	-1.2	18,923	17,852	18,966	19,455	-2.7	18,923	19,455
Machinery.....	22,790	22,474	22,616	+1.4	-0.6	+2.0	20,591	21,974	21,217	23,483	-12.3	20,591	23,483
Construction machinery.....	1,540	1,482	1,495	+3.9	-0.9	+1.8	1,508	1,415	1,353	1,521	-0.9	1,508	1,521
Mining, oil field, and gas field machinery.....	1,029	993	1,041	+3.6	-4.6	+4.6	996	1,012	980	998	-0.2	996	998
Industrial machinery.....	3,417	3,093	3,158	+10.5	-2.1	+1.6	3,659	3,171	2,942	4,325	-15.4	3,659	4,325
Photographic equipment.....	1,189	1,242	1,178	-4.3	+5.4	-12.7	1,013	1,285	1,189	946	+7.1	1,013	946
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,659	2,455	2,505	+8.3	-2.0	-0.1	2,389	2,222	2,376	2,521	-5.2	2,389	2,521
Metalworking machinery.....	2,053	1,985	1,918	+3.4	+3.5	-9.9	1,700	1,859	2,148	1,893	-10.2	1,700	1,893
Turbines, generators, and other power transmission equipment.....	3,024	3,325	3,038	-9.1	+9.4	+27.6	1,996	3,829	2,851	3,018	-33.9	1,996	3,018
Material handling equipment.....	1,337	1,315	1,507	+1.7	-12.7	+4.5	1,325	1,410	1,368	1,888	-29.8	1,325	1,888
Computers and electronic products.....	33,961	33,328	32,181	+1.9	+3.6	+0.8	30,062	41,015	31,369	36,155	-16.9	30,062	36,155
Electronic computers.....	5,536	5,283	5,581	+4.8	-5.3	-1.3	4,361	6,033	5,493	5,855	-25.5	4,361	5,855
Nondefense communications equipment.....	5,429	5,039	5,293	+7.7	-4.8	+1.4	4,490	7,891	5,143	7,378	-39.1	4,490	7,378
Defense communications equipment.....	320	445	233	-28.1	+91.0	+21.4	279	496	223	279	0.0	279	279
Semiconductors.....	6,998	6,127	5,318	+14.2	+15.2	-3.7	7,155	6,134	4,884	6,478	+10.5	7,155	6,478
Electronic components.....	3,615	3,783	3,743	-4.4	+1.1	+2.4	3,629	3,787	3,663	5,479	-33.8	3,629	5,479
Nondefense search and navigation equipment.....	676	611	594	+10.6	+2.9	+1.5	613	697	594	583	+5.1	613	583
Defense search and navigation equipment.....	1,421	1,591	1,452	-10.7	+9.6	-5.2	1,301	2,934	1,494	1,700	-23.5	1,301	1,700
Electromedical, measuring, and control instruments.....	5,305	5,580	5,341	-4.9	+4.5	+3.9	4,749	6,515	5,145	4,771	-0.5	4,749	4,771
Electrical equipment, appliances, and components.....	9,147	9,622	9,941	-4.9	-3.2	+1.9	8,081	9,655	9,657	9,820	-17.7	8,081	9,820
Electric lighting equipment.....	1,146	1,108	1,099	+3.4	+0.8	-7.4	986	1,342	1,047	1,062	-7.2	986	1,062
Household appliances.....	1,885	2,193	2,161	-14.0	+1.5	+6.3	1,717	2,184	2,239	1,809	-5.1	1,717	1,809
Electrical equipment.....	2,586	2,872	3,194	-10.0	-10.1	+9.6	2,198	2,903	3,001	2,733	-19.6	2,198	2,733
Transportation equipment.....	51,020	49,006	48,132	+4.1	+1.8	-20.0	48,703	52,821	48,055	45,627	+6.7	48,703	45,627
Motor vehicle bodies, parts, and trailers.....	16,675	16,548	16,594	+0.8	-0.3	+4.4	16,190	14,465	16,760	15,183	+6.6	16,190	15,183
Nondefense aircraft and parts.....	4,931	5,210	4,493	-5.4	+16.0	-1.5	4,386	9,055	4,095	6,982	-37.2	4,386	6,982
Defense aircraft and parts.....	3,033	1,832	2,598	+65.6	-29.5	-83.0	3,781	3,660	2,387	2,457	+53.9	3,781	2,457
Ships and boats.....	1,139	1,123	1,545	+1.4	-27.3	+0.5	1,210	1,927	1,484	1,191	+1.6	1,210	1,191
Furniture and related products.....	5,891	5,762	5,757	+2.2	+0.1	+3.4	5,610	5,099	5,670	5,900	-4.9	5,610	5,900

^p Preliminary ^r Revised

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(00), "Manufacturers' Shipments, Inventories, and Orders: 1992-2000."

Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Jan. 02/01
	Jan. 2002 ^a	Dec. 2001 ^f	Nov. 2001	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2002 ^a	Dec. 2001 ^f	Nov. 2001	Jan. 2001	
All manufacturing industries.....	536,402	543,837	550,015	-1.4	-1.1	-1.2	542,490	539,719	540,125	597,833	-9.3
Excluding transportation.....	264,437	267,179	268,139	-1.0	-0.4	-0.6	266,171	263,076	264,495	310,918	-14.4
Excluding defense.....	386,725	392,546	397,245	-1.5	-1.2	-1.4	390,594	388,325	392,094	456,676	-14.5
Durable goods industries.....	536,402	543,837	550,015	-1.4	-1.1	-1.2	542,490	539,719	540,125	597,833	-9.3
Primary metals.....	16,866	17,220	17,343	-2.1	-0.7	-2.2	16,913	16,587	16,349	19,502	-13.3
Iron and steel mills.....	8,175	8,349	8,306	-2.1	+0.5	-2.5	8,206	7,977	7,711	9,348	-12.2
Aluminum and nonferrous metals.....	6,419	6,621	6,799	-3.1	-2.6	-1.9	6,399	6,392	6,482	7,914	-19.1
Ferrous metal foundries.....	2,272	2,250	2,238	+1.0	+0.5	-1.9	2,308	2,218	2,156	2,240	+3.0
Fabricated metal products.....	39,316	39,591	39,867	-0.7	-0.7	-1.5	39,149	38,780	39,075	43,227	-9.4
Machinery.....	57,175	57,990	57,835	-1.4	+0.3	-0.2	57,495	56,862	57,440	64,419	-10.7
Construction machinery.....	2,110	2,069	2,073	+2.0	-0.2	-2.4	2,211	2,020	1,964	2,602	-15.0
Mining, oil field, and gas field machinery.....	1,664	1,653	1,713	+0.7	-3.5	-1.3	1,644	1,578	1,715	1,439	+14.2
Industrial machinery.....	9,550	9,596	9,824	-0.5	-2.3	+0.4	9,710	9,247	9,920	12,985	-25.2
Photographic equipment.....	757	809	829	-6.4	-2.4	+1.0	771	776	839	825	-6.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,445	4,342	4,489	+2.4	-3.3	-1.8	4,428	4,148	4,311	4,882	-9.3
Metalworking machinery.....	4,051	4,100	4,165	-1.2	-1.6	-2.9	3,990	3,891	4,137	5,387	-25.9
Turbines, generators, and other power transmission equipment.....	20,306	20,741	19,730	-2.1	+5.1	+0.5	20,464	20,835	19,849	20,131	+1.7
Material handling equipment.....	5,612	5,837	5,992	-3.9	-2.6	+0.1	5,604	5,742	5,762	6,198	-9.6
Computers and electronic products.....	124,403	125,108	125,783	-0.6	-0.5	-0.8	125,768	124,264	124,486	151,112	-16.8
Electronic computers.....	9,610	9,543	9,649	+0.7	-1.1	+1.5	9,302	9,407	10,015	9,838	-5.4
Nondefense communications equipment.....	37,764	37,903	38,562	-0.4	-1.7	-0.6	38,311	37,967	38,129	47,697	-19.7
Defense communications equipment.....	2,421	2,427	2,281	-0.2	+6.4	-2.1	2,446	2,454	2,285	2,595	-5.7
Semiconductors.....	14,598	14,430	14,211	+1.2	+1.5	-3.9	15,109	13,917	14,343	23,489	-35.7
Electronic components.....	15,158	15,479	15,577	-2.1	-0.6	-1.4	15,394	15,273	15,421	20,395	-24.5
Nondefense search and navigation equipment.....	4,102	4,151	4,247	-1.2	-2.3	-2.1	4,065	4,089	4,158	5,041	-19.4
Defense search and navigation equipment.....	28,934	29,218	29,382	-1.0	-0.6	-0.9	29,101	29,269	28,452	30,166	-3.5
Electromedical, measuring, and control instruments.....	11,816	11,957	11,874	-1.2	+0.7	+2.1	12,040	11,888	11,683	11,891	+1.3
Electrical equipment, appliances, and components.....	15,857	16,445	16,748	-3.6	-1.8	+1.5	16,033	16,189	16,576	19,506	-17.8
Electric lighting equipment.....	1,522	1,532	1,577	-0.7	-2.9	-0.4	1,497	1,496	1,495	1,566	-4.4
Household appliances.....	1,056	1,263	1,232	-16.4	+2.5	+7.6	1,272	1,293	1,225	1,401	-9.2
Electrical equipment.....	9,595	9,870	10,027	-2.8	-1.6	+1.8	9,608	9,758	10,083	10,046	-4.4
Transportation equipment.....	271,965	276,658	281,876	-1.7	-1.9	-1.7	276,319	276,643	275,630	286,915	-3.7
Motor vehicle bodies, parts, and trailers.....	11,650	11,891	11,979	-2.0	-0.7	-0.2	12,239	11,938	11,543	13,798	-11.3
Nondefense aircraft and parts.....	130,883	133,665	136,767	-2.1	-2.3	-2.8	132,535	133,834	135,118	151,108	-12.3
Defense aircraft and parts.....	56,724	56,601	57,500	+0.2	-1.6	-0.4	57,172	55,649	55,465	45,631	+25.3
Ships and boats.....	20,977	21,614	22,208	-2.9	-2.7	-1.0	21,591	21,826	21,559	19,295	+11.9
Furniture and related products.....	6,454	6,405	6,324	+0.8	+1.3	+1.2	6,284	6,157	6,466	7,059	-11.0

^a Preliminary ^f Revised

See note at end of Table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Jan. 02/01
	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Jan. 2001	
All manufacturing industries.....	444,439	447,261	451,365	-0.6	-0.9	-1.3	442,382	436,359	453,358	484,389	-8.7
Excluding transportation.....	370,985	373,252	378,148	-0.6	-1.3	-1.2	369,758	364,937	378,882	407,752	-9.3
Excluding defense.....	421,740	424,261	429,600	-0.6	-1.2	-1.4	419,946	414,196	431,454	461,468	-9.0
Durable goods industries.....	280,970	282,718	285,663	-0.6	-1.0	-1.5	279,079	274,241	287,283	310,313	-10.1
Wood products.....	9,263	9,052	9,277	+2.3	-2.4	-2.5	9,472	9,081	9,497	10,254	-7.6
Nonmetallic mineral products.....	9,222	9,361	9,550	-1.5	-2.0	-1.3	9,330	9,219	9,286	10,268	-9.1
Primary metals.....	19,412	19,768	20,028	-1.8	-1.3	-1.1	19,555	19,863	20,006	22,751	-14.0
Iron and steel mills.....	10,429	10,587	10,792	-1.5	-1.9	-1.8	10,496	10,750	10,868	12,376	-15.2
Aluminum and nonferrous metals.....	7,239	7,401	7,397	-2.2	+0.1	+0.1	7,324	7,371	7,335	8,536	-14.2
Ferrous metal foundries.....	1,744	1,780	1,839	-2.0	-3.2	-1.0	1,735	1,742	1,803	1,839	-5.7
Fabricated metal products.....	32,416	32,541	33,090	-0.4	-1.7	-1.5	32,200	31,749	32,710	35,504	-9.3
Machinery.....	48,228	48,560	49,058	-0.7	-1.0	-1.1	47,945	47,033	49,393	51,531	-7.0
Farm machinery.....	1,985	2,027	2,047	-2.1	-1.0	-0.9	2,082	2,080	2,009	2,316	-10.1
Construction machinery.....	4,002	3,875	3,934	+3.3	-1.5	+1.2	4,049	3,873	3,952	3,933	+2.9
Mining, oil field, and gas field machinery.....	2,741	2,712	2,772	+1.1	-2.2	-1.6	2,667	2,566	2,790	2,535	+5.2
Industrial machinery.....	8,294	8,324	8,471	-0.4	-1.7	-0.8	8,184	8,071	8,578	9,250	-11.5
Photographic equipment.....	2,203	2,235	2,325	-1.4	-3.9	-3.6	2,203	2,142	2,380	2,519	-12.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,347	4,321	4,476	+0.6	-3.5	-2.6	4,276	4,050	4,446	4,705	-9.1
Metalworking machinery.....	5,608	5,647	5,652	-0.7	-0.1	-2.1	5,399	5,275	5,599	5,857	-7.8
Turbines, generators, and other power transmission equipment.....	5,878	5,980	5,701	-1.7	+4.9	+0.9	5,730	5,694	5,875	5,566	+2.9
Material handling equipment.....	2,337	2,407	2,467	-2.9	-2.4	-3.0	2,361	2,390	2,438	2,672	-11.6
Computers and electronic products.....	49,025	49,280	50,934	-0.5	-3.2	-2.0	48,339	46,978	51,545	60,317	-19.9
Electronic computers.....	2,957	2,963	3,017	-0.2	-1.8	-3.9	2,816	2,795	3,162	3,593	-21.6
Computer storage devices.....	1,313	1,402	1,607	-6.3	-12.8	+0.9	1,339	1,264	1,678	1,979	-32.3
Nondefense communications equipment.....	8,096	8,044	8,701	+0.6	-7.6	-1.3	7,997	7,667	9,133	12,572	-36.4
Defense communications equipment.....	547	533	574	+2.6	-7.1	+9.1	525	511	575	568	-7.6
Audio and video equipment.....	975	913	1,017	+6.8	-10.2	-6.2	965	871	1,075	1,110	-13.1
Semiconductors.....	7,078	7,343	7,429	-3.6	-1.2	-1.5	7,100	7,115	7,329	8,408	-15.6
Electronic components.....	7,886	7,856	7,979	+0.4	-1.5	-3.6	7,815	7,596	7,930	10,141	-22.9
Nondefense search and navigation equipment.....	2,815	2,768	2,780	+1.7	-0.4	+0.7	2,831	2,674	2,797	2,702	+4.8
Defense search and navigation equipment.....	3,159	3,178	3,233	-0.6	-1.7	-0.3	3,051	3,032	3,242	3,070	-0.6
Electromedical, measuring and control instruments.....	10,447	10,503	10,786	-0.5	-2.6	-0.9	10,265	10,092	10,704	11,878	-13.6
Electrical equipment, appliances, and components.....	14,559	14,655	14,826	-0.7	-1.2	-1.2	14,458	14,172	14,749	15,946	-9.3
Electric lighting equipment.....	1,704	1,695	1,691	+0.5	+0.2	-0.1	1,673	1,599	1,698	1,914	-12.6
Household appliances.....	2,393	2,423	2,531	-1.2	-4.3	+1.5	2,393	2,243	2,463	2,606	-8.2
Electrical equipment.....	4,985	4,988	4,862	-0.1	+2.6	-0.2	4,972	4,917	4,941	4,812	+3.3
Batteries.....	748	751	786	-0.4	-4.5	-1.6	701	691	773	778	-9.9
Transportation equipment.....	73,454	74,009	73,217	-0.7	+1.1	-1.6	72,624	71,422	74,476	76,637	-5.2
Automobiles.....	1,951	1,883	1,830	+3.6	+2.9	+0.4	1,868	1,719	1,808	2,031	-8.0
Light trucks and utility vehicles.....	1,549	1,480	1,586	+4.7	-6.7	-9.2	1,464	1,342	1,645	1,695	-13.6
Heavy duty trucks.....	795	830	872	-4.2	-4.8	-1.4	800	787	877	1,030	-22.3
Motor vehicle bodies, parts, and trailers.....	15,593	15,819	15,940	-1.4	-0.8	-2.6	15,637	15,812	16,018	17,640	-11.4
Nondefense aircraft and parts.....	30,928	30,858	31,154	+0.2	-1.0	-2.3	30,301	29,488	32,153	31,147	-2.7
Defense aircraft and parts.....	10,676	10,869	9,829	-1.8	+10.6	+0.2	10,574	10,333	9,926	11,094	-4.7
Ships and boats.....	2,318	2,363	2,286	-1.9	+3.4	+0.2	2,297	2,274	2,292	2,221	+3.4
Furniture and related products.....	7,545	7,618	7,889	-1.0	-3.4	-1.5	7,490	7,424	7,842	8,927	-16.1
Miscellaneous durable goods.....	17,846	17,874	17,794	-0.2	+0.4	-0.5	17,666	17,300	17,779	18,178	-2.8
Nondurable goods industries.....	163,469	164,543	165,702	-0.7	-0.7	-1.1	163,303	162,118	166,075	174,076	-6.2
Food products.....	29,695	29,568	29,586	+0.4	-0.1	+0.2	29,919	29,624	30,750	29,637	+1.0
Grain and oilseed milling.....	3,403	3,368	3,257	+1.0	+3.4	+2.8	3,605	3,512	3,413	3,564	+1.2
Dairy products.....	3,084	3,112	3,076	-0.9	+1.2	-1.4	3,005	2,857	2,946	2,871	+4.7
Meat, poultry, and seafood products.....	6,073	6,068	6,043	+0.1	+0.4	+0.3	5,941	5,877	6,093	5,458	+8.8
Beverage and tobacco products.....	13,895	13,935	13,806	-0.3	+0.9	-0.1	14,257	14,221	14,134	14,043	+1.5
Beverages.....	8,473	8,434	8,318	+0.5	+1.4	-0.4	8,458	8,377	8,418	8,100	+4.4
Tobacco.....	5,422	5,501	5,488	-1.4	+0.2	+0.4	5,799	5,844	5,716	5,943	-2.4
Textile mills.....	5,861	6,019	6,170	-2.6	-2.4	-1.6	5,863	5,809	6,046	6,860	-14.5
Textile products.....	4,394	4,420	4,443	-0.6	-0.5	-0.9	4,363	4,235	4,335	4,852	-10.1
Apparel.....	8,714	8,888	9,184	-2.0	-3.2	-2.3	8,668	8,582	8,724	10,514	-17.6
Leather and allied products.....	1,375	1,402	1,452	-1.9	-3.4	-1.7	1,341	1,334	1,440	1,557	-13.9
Paper products.....	15,398	15,575	15,679	-1.1	-0.7	+0.5	15,465	15,500	15,552	16,246	-4.8
Pulp, paper, and paperboard mills.....	6,854	6,916	6,975	-0.9	-0.8	+0.9	6,916	6,935	6,888	7,224	-4.3
Paperboard containers.....	4,241	4,267	4,315	-0.6	-1.1	-0.9	4,249	4,235	4,297	4,566	-6.9
Printing.....	5,925	5,922	5,995	+0.1	-1.2	-2.6	5,653	5,478	5,971	6,391	-11.5
Petroleum and coal products.....	11,390	11,721	11,718	-2.8	0.0	-3.1	10,901	10,944	11,662	12,901	-15.5
Petroleum refineries.....	9,681	9,889	9,939	-2.1	-0.5	-3.3	9,248	9,295	9,939	11,082	-16.5
Basic chemicals.....	49,860	49,996	50,315	-0.3	-0.6	-1.5	49,750	49,494	50,358	52,297	-4.9
Pesticides, fertilizers, and other agricultural chemicals.....	2,650	2,660	2,706	-0.4	-1.7	-0.9	2,940	2,742	2,675	3,131	-6.1
Pharmaceuticals and medicines.....	18,220	18,211	17,845	0.0	+2.1	-1.4	17,856	18,012	18,068	17,554	+1.7
Paints, coatings, and adhesives.....	3,174	3,144	3,210	+1.0	-2.1	-1.6	3,152	3,046	3,092	3,252	-3.1
Plastics and rubber products.....	16,962	17,097	17,354	-0.8	-1.5	-1.3	17,123	16,897	17,103	18,778	-8.8

^p Preliminary^r Revised

See note at end of Table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS, NEW ORDERS, UNFILLED ORDERS, AND TOTAL INVENTORIES FOR TOPICAL SERIES ¹
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						
	Monthly			Percent Change			Monthly				Percent Change Jan. 02/01	Year to date	
	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Jan. 2001		2002 ^p	2001
SHIPMENTS													
All manufacturing industries.....	333,246	326,794	324,866	+ 2.0	+ 0.6	-1.2	299,412	320,557	322,099	310,698	-3.6	299,412	310,698
Construction materials and supplies.....	32,870	32,291	32,424	+ 1.8	-0.4	-1.1	29,169	28,551	31,311	29,497	-1.1	29,169	29,497
Information technology.....	28,242	28,554	27,526	-1.1	+ 3.7	-0.6	22,853	34,917	26,704	27,499	-16.9	22,853	27,499
Capital goods.....	67,443	67,033	65,498	+ 0.6	+ 2.3	-1.3	55,506	76,275	63,330	61,650	-10.0	55,506	61,650
Nondefense capital goods ³	60,357	59,635	59,144	+ 1.2	+ 0.8	-1.4	49,717	67,832	56,742	56,814	-12.5	49,717	56,814
Excluding aircraft.....	56,167	54,778	54,381	+ 2.5	+ 0.7	-2.3	46,813	61,279	51,803	54,170	-13.6	46,813	54,170
Defense capital goods ⁴	7,086	7,398	6,354	-4.2	+ 16.4	-1.3	5,789	8,443	6,588	4,836	+ 19.7	5,789	4,836
Consumer goods.....	128,132	125,645	124,081	+ 2.0	+ 1.3	-1.5	118,597	120,174	125,472	117,739	+ 0.7	118,597	117,739
Consumer durable goods.....	36,805	35,008	34,432	+ 5.1	+ 1.7	+ 1.0	33,386	31,647	34,828	29,189	+ 14.4	33,386	29,189
Consumer nondurable goods.....	91,327	90,637	89,649	+ 0.8	+ 1.1	-2.4	85,211	88,527	90,644	88,550	-3.8	85,211	88,550
NEW ORDERS													
All manufacturing industries.....	325,811	320,616	318,379	+ 1.6	+ 0.7	-4.3	302,183	320,151	313,679	316,517	-4.5	302,183	316,517
Construction materials and supplies.....	32,500	31,849	32,042	+ 2.0	-0.6	-0.2	29,288	28,088	30,610	29,599	-1.1	29,288	29,599
Information technology.....	27,542	27,606	27,270	-0.2	+ 1.2	+ 0.4	23,053	35,075	26,734	28,924	-20.3	23,053	28,924
Capital goods.....	60,258	61,770	62,166	-2.4	-0.6	-15.3	53,833	76,714	59,566	65,566	-17.9	53,833	65,566
Nondefense capital goods ³	55,472	55,817	56,437	-0.6	-1.1	+ 4.0	48,766	65,105	53,691	60,727	-19.7	48,766	60,727
Excluding aircraft.....	54,325	53,511	54,413	+ 1.5	-1.7	+ 2.4	47,422	59,285	52,123	57,564	-17.6	47,422	57,564
Defense capital goods ⁴	4,786	5,953	5,729	-19.6	+ 3.9	-70.1	5,067	11,609	5,875	4,839	+ 4.7	5,067	4,839
Consumer goods.....	127,824	125,955	124,539	+ 1.5	+ 1.1	-1.2	119,000	120,270	125,840	118,002	+ 0.8	119,000	118,002
Consumer durable goods.....	36,497	35,318	34,890	+ 3.3	+ 1.2	+ 2.1	33,789	31,743	35,196	29,452	+ 14.7	33,789	29,452
UNFILLED ORDERS													
All manufacturing industries.....	536,402	543,837	550,015	-1.4	-1.1	-1.2	542,490	539,719	540,125	597,833	-9.3	(X)	(X)
Construction materials and supplies.....	32,226	32,596	33,038	-1.1	-1.3	-1.1	31,993	31,874	32,337	36,170	-11.5	(X)	(X)
Information technology.....	99,088	99,788	100,736	-0.7	-0.9	-0.3	99,692	99,492	99,334	114,546	-13.0	(X)	(X)
Capital goods.....	371,452	378,637	383,900	-1.9	-1.4	-0.9	376,065	377,738	377,299	409,060	-8.1	(X)	(X)
Nondefense capital goods ³	240,651	245,536	249,354	-2.0	-1.5	-1.1	242,826	243,777	246,504	284,557	-14.7	(X)	(X)
Excluding aircraft.....	142,036	143,878	145,145	-1.3	-0.9	0.0	142,559	141,950	143,944	166,107	-14.2	(X)	(X)
Defense capital goods ⁴	130,801	133,101	134,546	-1.7	-1.1	-0.5	133,239	133,961	130,795	124,503	+ 7.0	(X)	(X)
Consumer goods.....	9,170	9,478	9,168	3.2	+ 3.4	+ 5.3	9,540	9,137	9,041	11,143	-14.4	(X)	(X)
Consumer durable goods.....	9,170	9,478	9,168	3.2	+ 3.4	+ 5.3	9,540	9,137	9,041	11,143	-14.4	(X)	(X)
TOTAL INVENTORIES													
All manufacturing industries.....	444,439	447,261	451,365	-0.6	-0.9	-1.3	442,382	436,359	453,358	484,389	-8.7	(X)	(X)
Construction materials and supplies.....	45,343	45,327	46,082	0.0	-1.6	-1.7	45,514	44,491	45,675	49,802	-8.6	(X)	(X)
Information technology.....	40,993	41,114	42,807	-0.3	-4.0	-2.0	40,346	39,131	43,540	50,123	-19.5	(X)	(X)
Capital goods.....	138,323	138,953	140,658	-0.5	-1.2	-1.1	136,487	133,613	142,736	150,692	-9.4	(X)	(X)
Nondefense capital goods ³	119,703	120,191	122,078	-0.4	-1.5	-1.5	118,054	115,377	124,160	131,802	-10.4	(X)	(X)
Excluding aircraft.....	95,870	96,635	98,340	-0.8	-1.7	-1.2	94,828	93,034	99,402	107,642	-11.9	(X)	(X)
Defense capital goods ⁴	18,620	18,762	18,580	-0.8	+ 1.0	+ 1.7	18,433	18,236	18,576	18,890	-2.4	(X)	(X)
Consumer goods.....	124,288	124,909	125,378	-0.5	-0.4	-0.9	123,847	122,678	126,367	131,076	-5.5	(X)	(X)
Consumer durable goods.....	26,283	26,280	26,810	0.0	-2.0	-1.7	26,141	25,172	26,764	29,188	-10.4	(X)	(X)
Consumer nondurable goods.....	98,005	98,629	98,568	-0.6	+ 0.1	-0.7	97,706	97,506	99,603	101,888	-4.1	(X)	(X)

^p Preliminary ^r Revised (X) Not Applicable

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

See note at end of Table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,
BY INDUSTRY GROUP**
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Jan. 02/01
	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Dec. - Jan.	Nov. - Dec.	Oct. - Nov.	Jan. 2002 ^p	Dec. 2001 ^r	Nov. 2001	Jan. 2001	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	145,308	146,418	148,989	-0.8	-1.7	-1.0	145,880	145,908	149,493	164,967	-11.6
Durable goods industries.....	88,547	89,291	90,760	-0.8	-1.6	-1.1	88,856	88,936	91,527	102,700	-13.5
Wood products.....	3,637	3,594	3,647	+1.2	-1.5	-0.3	3,910	3,886	4,048	4,201	-6.9
Nonmetallic mineral products.....	3,255	3,263	3,330	-0.2	-2.0	-0.5	3,280	3,283	3,359	3,424	-4.2
Primary metals.....	6,487	6,531	6,703	-0.7	-2.6	-0.6	6,575	6,751	6,847	7,748	-15.1
Fabricated metal products.....	10,140	10,022	10,195	+1.2	-1.7	-1.5	10,116	10,057	10,104	11,313	-10.6
Machinery.....	17,385	17,591	17,766	-1.2	-1.0	+0.3	17,444	17,239	17,734	18,467	-5.5
Computers and electronic products.....	16,937	17,062	17,574	-0.7	-2.9	-2.8	16,592	16,619	17,593	22,454	-26.1
Electrical equipment, appliances, and components.....	5,364	5,445	5,533	-1.5	-1.6	-3.2	5,350	5,415	5,592	6,293	-15.0
Transportation equipment.....	16,108	16,407	16,508	-1.8	-0.6	-0.9	16,334	16,392	16,737	18,664	-12.5
Furniture and related products.....	3,001	3,085	3,198	-2.7	-3.5	-0.8	3,027	3,082	3,210	3,673	-17.6
Miscellaneous products.....	6,233	6,291	6,306	-0.9	-0.2	-0.1	6,228	6,212	6,303	6,463	-3.6
Nondurable goods industries.....	56,761	57,127	58,229	-0.6	-1.9	-0.8	57,024	56,972	57,966	62,267	-8.4
Food products.....	10,254	10,220	10,317	+0.3	-0.9	-0.2	10,484	10,229	10,440	10,957	-4.3
Beverage and tobacco products.....	5,894	5,862	5,829	+0.5	+0.6	+0.3	6,179	6,058	5,672	6,091	+1.4
Textiles.....	1,503	1,543	1,609	-2.6	-4.1	-3.1	1,520	1,535	1,581	1,926	-21.1
Textile products.....	1,486	1,508	1,524	-1.5	-1.0	-3.2	1,459	1,459	1,479	1,727	-15.5
Apparel.....	1,875	1,875	1,990	0.0	-5.8	-3.3	1,882	1,874	1,949	2,453	-23.3
Leather and allied products.....	329	330	353	-0.3	-6.5	-4.1	323	321	341	433	-25.4
Paper products.....	7,297	7,353	7,425	-0.8	-1.0	+0.4	7,329	7,381	7,399	7,742	-5.3
Printing.....	2,471	2,503	2,631	-1.3	-4.9	-2.1	2,427	2,411	2,638	3,027	-19.8
Petroleum and coal products.....	3,311	3,551	3,616	-6.8	-1.8	-4.3	3,089	3,404	3,546	3,742	-17.5
Basic chemicals.....	15,410	15,438	15,853	-0.2	-2.6	+0.1	15,412	15,368	15,858	16,746	-8.0
Plastics and rubber products.....	6,931	6,944	7,082	-0.2	-1.9	-1.8	6,920	6,932	7,063	7,423	-6.8
WORK IN PROCESS											
All manufacturing industries.....	132,516	132,095	132,681	+0.3	-0.4	-1.9	130,975	127,031	134,637	140,767	-7.0
Durable goods industries.....	104,739	104,576	105,221	+0.2	-0.6	-1.9	103,207	100,196	106,551	110,989	-7.0
Wood products.....	1,882	1,856	1,860	+1.4	-0.2	-3.1	1,883	1,808	1,860	2,024	-7.0
Nonmetallic mineral products.....	1,320	1,346	1,411	-1.9	-4.6	-2.6	1,323	1,279	1,322	1,568	-15.6
Primary metals.....	6,563	6,646	6,798	-1.2	-2.2	-1.4	6,579	6,590	6,761	7,640	-13.9
Fabricated metal products.....	11,204	11,189	11,332	+0.1	-1.3	-0.3	11,066	10,747	11,281	11,492	-3.7
Machinery.....	13,979	14,049	14,408	-0.5	-2.5	-1.9	13,525	13,327	14,710	14,794	-8.6
Computers and electronic products.....	17,269	17,306	17,814	-0.2	-2.9	-2.0	16,891	16,138	17,899	18,823	-10.3
Electrical equipment, appliances, and components.....	3,370	3,386	3,455	-0.5	-2.0	-2.7	3,304	3,219	3,431	3,956	-16.5
Transportation equipment.....	44,556	44,229	43,528	+0.7	+1.6	-2.3	44,143	42,736	44,665	45,849	-3.7
Furniture and related products.....	1,530	1,508	1,542	+1.5	-2.2	-0.2	1,533	1,493	1,522	1,813	-15.4
Miscellaneous products.....	3,066	3,061	3,073	+0.2	-0.4	-0.5	2,960	2,859	3,100	3,030	-2.3
Nondurable goods industries.....	27,777	27,519	27,460	+0.9	+0.2	-1.8	27,768	26,835	28,086	29,778	-6.7
Food products.....	2,488	2,463	2,484	+1.0	-0.8	-0.4	2,560	2,614	2,843	2,621	-2.3
Beverage and tobacco products.....	3,284	3,239	3,286	+1.4	-1.4	-0.5	3,453	3,411	3,536	3,451	+0.1
Textiles.....	1,442	1,477	1,525	-2.4	-3.1	-1.3	1,451	1,432	1,504	1,805	-19.6
Textile products.....	875	876	877	-0.1	-0.1	+0.7	865	831	880	934	-7.4
Apparel.....	1,605	1,625	1,669	-1.2	-2.6	-1.5	1,613	1,501	1,643	2,194	-26.5
Leather and allied products.....	153	154	163	-0.6	-5.5	-4.7	153	147	160	246	-37.8
Paper products.....	1,380	1,401	1,419	-1.5	-1.3	-0.9	1,425	1,431	1,385	1,521	-6.3
Printing.....	1,715	1,740	1,664	-1.4	+4.6	-5.3	1,627	1,444	1,677	1,829	-11.0
Petroleum and coal products.....	2,588	2,605	2,526	-0.7	+3.1	-4.1	2,506	2,391	2,561	2,834	-11.6
Basic chemicals.....	9,907	9,572	9,424	+3.5	+1.6	-2.0	9,724	9,345	9,528	9,820	-1.0
Plastics and rubber products.....	2,340	2,367	2,423	-1.1	-2.3	-0.8	2,391	2,288	2,369	2,523	-5.2
FINISHED GOODS											
All manufacturing industries.....	166,615	168,748	169,695	-1.3	-0.6	-1.1	165,527	163,420	169,228	178,655	-7.3
Durable goods industries.....	87,684	88,851	89,682	-1.3	-0.9	-1.3	87,016	85,109	89,205	96,624	-9.9
Wood products.....	3,744	3,602	3,770	+3.9	-4.5	-4.2	3,679	3,387	3,589	4,029	-8.7
Nonmetallic mineral products.....	4,647	4,752	4,809	-2.2	-1.2	-1.5	4,727	4,657	4,605	5,276	-10.4
Primary metals.....	6,362	6,591	6,527	-3.5	+1.0	-1.1	6,401	6,522	6,398	7,363	-13.1
Fabricated metal products.....	11,072	11,330	11,563	-2.3	-2.0	-2.5	11,018	10,945	11,325	12,699	-13.2
Machinery.....	16,864	16,920	16,884	-0.3	+0.2	-1.8	16,976	16,467	16,949	18,270	-7.1
Computers and electronic products.....	14,819	14,912	15,546	-0.6	-4.1	-1.0	14,856	14,221	16,053	19,040	-22.0
Electrical equipment, appliances, and components.....	5,825	5,824	5,838	0.0	-0.2	+1.8	5,804	5,538	5,726	5,697	+1.9
Transportation equipment.....	12,790	13,373	13,181	-4.4	+1.5	-0.3	12,147	12,294	13,074	12,124	+0.2
Furniture and related products.....	3,014	3,025	3,149	-0.4	-3.9	-2.9	2,930	2,849	3,110	3,441	-14.9
Miscellaneous products.....	8,547	8,522	8,415	+0.3	+1.3	-0.8	8,478	8,229	8,376	8,685	-2.4
Nondurable goods industries.....	78,931	79,897	80,013	-1.2	-0.1	-1.0	78,511	78,311	80,023	82,031	-4.3
Food products.....	16,953	16,885	16,785	+0.4	+0.6	+0.6	16,875	16,781	17,467	16,059	+5.1
Beverage and tobacco products.....	4,717	4,834	4,691	-2.4	+3.0	-0.3	4,625	4,752	4,926	4,501	+2.8
Textiles.....	2,916	2,999	3,036	-2.8	-1.2	-0.9	2,892	2,842	2,961	3,129	-7.6
Textile products.....	2,033	2,036	2,042	-0.1	-0.3	+0.2	2,039	1,945	1,976	2,191	-6.9
Apparel.....	5,234	5,388	5,525	-2.9	-2.5	-2.3	5,173	5,207	5,132	5,867	-11.8
Leather and allied products.....	893	918	936	-2.7	-1.9	-0.2	865	866	939	878	-1.5
Paper products.....	6,721	6,821	6,835	-1.5	-0.2	+1.0	6,711	6,688	6,768	6,983	-3.9
Printing.....	1,739	1,679	1,700	+3.6	-1.2	-0.5	1,599	1,623	1,656	1,535	+4.2
Petroleum and coal products.....	5,491	5,565	5,576	-1.3	-0.2	-1.9	5,306	5,149	5,555	6,325	-16.1
Basic chemicals.....	24,543	24,986	25,038	-1.8	-0.2	-2.4	24,614	24,781	24,972	25,731	-4.3
Plastics and rubber products.....	7,691	7,786	7,849	-1.2	-0.8	-0.9	7,812	7,677	7,671	8,832	-11.5

^p Preliminary ^r Revised

See note at end of Table 2 relating to survey error and revisions.

**Table 7. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS
AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on Seasonally Adjusted data)

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Jan 2002 ^p	Dec 2001 ^r	Nov 2001	Oct 2001	Jan 2002 ^p	Dec 2001 ^r	Nov 2001	Oct 2001
All manufacturing industries.....	1.33	1.37	1.39	1.39	(X)	(X)	(X)	(X)
Durable goods industries.....	1.51	1.56	1.59	1.61	4.08	4.24	4.30	4.31
Wood products.....	1.32	1.31	1.33	1.36	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.23	1.27	1.30	1.30	(X)	(X)	(X)	(X)
Primary metals.....	1.69	1.81	1.79	1.75	1.47	1.58	1.55	1.54
Fabricated metal products.....	1.60	1.63	1.65	1.65	2.04	2.09	2.09	2.10
Machinery.....	2.04	2.18	2.16	2.11	2.63	2.86	2.80	2.69
Computers and electronic products.....	1.41	1.45	1.53	1.57	4.15	4.29	4.40	4.41
Electrical equipment, appliances, and components.....	1.50	1.48	1.53	1.48	1.72	1.75	1.82	1.72
Transportation equipment.....	1.32	1.36	1.38	1.43	8.14	8.22	8.56	8.96
Furniture and related products.....	1.29	1.34	1.39	1.39	1.26	1.30	1.27	1.22
Miscellaneous products.....	1.85	1.90	1.89	1.88	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.11	1.13	1.14	1.13	(X)	(X)	(X)	(X)
Food products.....	0.76	0.77	0.77	0.77	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.41	1.40	1.47	1.35	(X)	(X)	(X)	(X)
Textiles.....	1.65	1.69	1.75	1.66	(X)	(X)	(X)	(X)
Textile products.....	1.58	1.57	1.56	1.58	(X)	(X)	(X)	(X)
Apparel.....	1.70	1.70	1.83	1.86	(X)	(X)	(X)	(X)
Leather and allied products.....	2.07	2.06	2.08	2.08	(X)	(X)	(X)	(X)
Paper products.....	1.21	1.26	1.25	1.20	(X)	(X)	(X)	(X)
Printing.....	0.74	0.74	0.75	0.75	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.69	0.72	0.75	0.73	(X)	(X)	(X)	(X)
Basic chemicals.....	1.46	1.47	1.45	1.47	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.13	1.16	1.19	1.19	(X)	(X)	(X)	(X)

^p Preliminary ^r Revised

(X) Not Applicable

¹ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

Table 8. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on Seasonally Adjusted data)

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Jan ¹ 2002	Jan ² 1997-2001	Jan 2001-Dec 2001	Jan ¹ 2002	Jan ² 1997-2001	Jan 2001-Dec 2001	Jan ¹ 2002	Jan ² 1997-2001	Jan 2001-Dec 2001	Jan ¹ 2002	Jan ² 1997-2001	Jan 2001-Dec 2001
All manufacturing industries.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Durable goods industries.....	-0.3	(NA)	(NA)	-0.6	(NA)	(NA)	-0.1	(NA)	(NA)	0.0	(NA)	(NA)
Wood products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Nonmetallic mineral products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Primary metals.....	0.3	(NA)	(NA)	0.2	(NA)	(NA)	-0.1	(NA)	(NA)	-0.4	(NA)	(NA)
Fabricated metal products.....	0.4	(NA)	(NA)	0.3	(NA)	(NA)	0.0	(NA)	(NA)	-0.1	(NA)	(NA)
Machinery.....	-0.2	(NA)	(NA)	-1.0	(NA)	(NA)	0.0	(NA)	(NA)	-0.1	(NA)	(NA)
Computers and electronic products.....	-0.1	(NA)	(NA)	-0.3	(NA)	(NA)	-0.1	(NA)	(NA)	-0.1	(NA)	(NA)
Electrical equipment, appliances, and components.....	0.1	(NA)	(NA)	0.1	(NA)	(NA)	-0.1	(NA)	(NA)	-0.1	(NA)	(NA)
Transportation equipment.....	-1.2	(NA)	(NA)	-1.8	(NA)	(NA)	-0.1	(NA)	(NA)	0.2	(NA)	(NA)
Furniture and related products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Miscellaneous products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Nondurable goods industries.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Food products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Beverage and tobacco products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Textiles.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Textile products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Apparel.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Leather and allied products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Paper products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Printing.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Petroleum and coal products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Basic chemicals.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Plastics and rubber products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)

(X) Not Applicable

(NA) Not Available

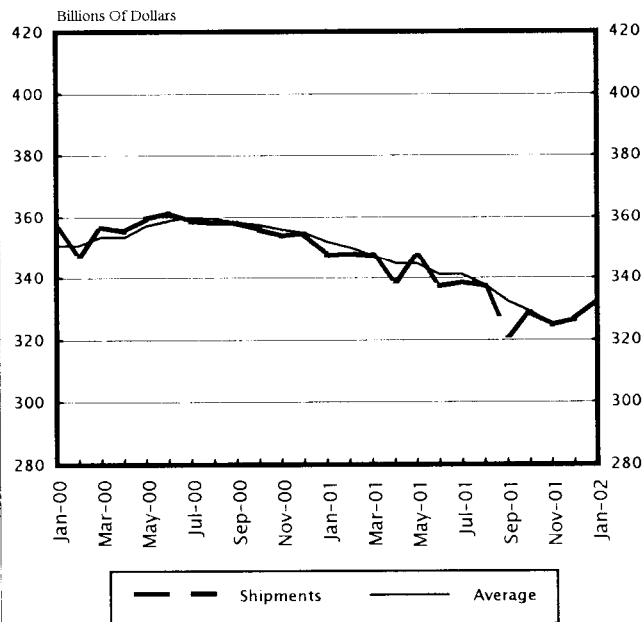
NOTE: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

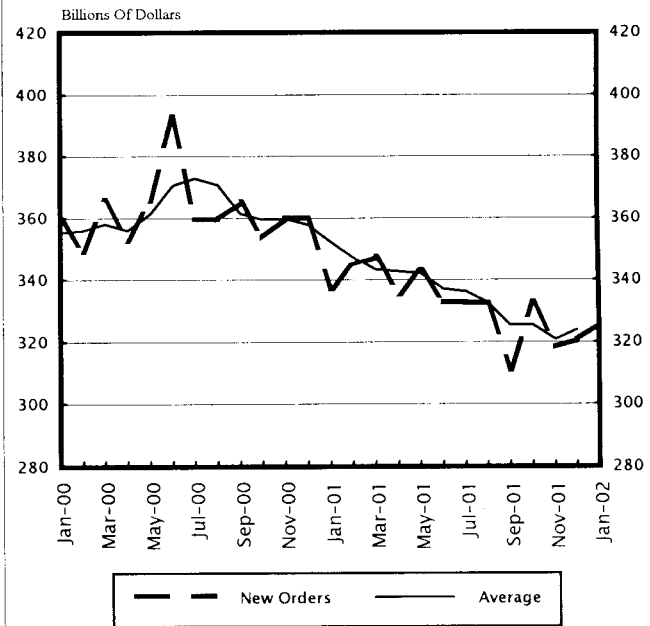
² Average revisions of the current month for the past five years.

See note at end of Table 2 relating to survey error and revision. In Table 8, the second column for each item represents the average revisions of the current month for the past five years.

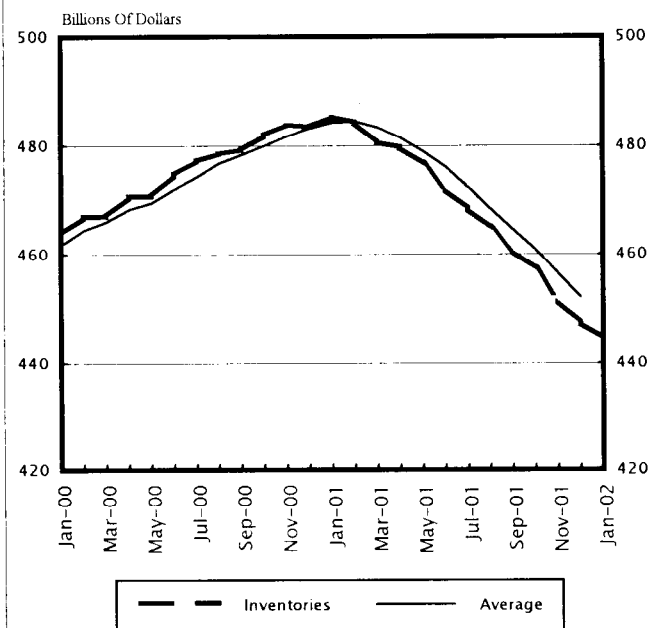
Total Manufacturing
Shipments and Three Month
Moving Average



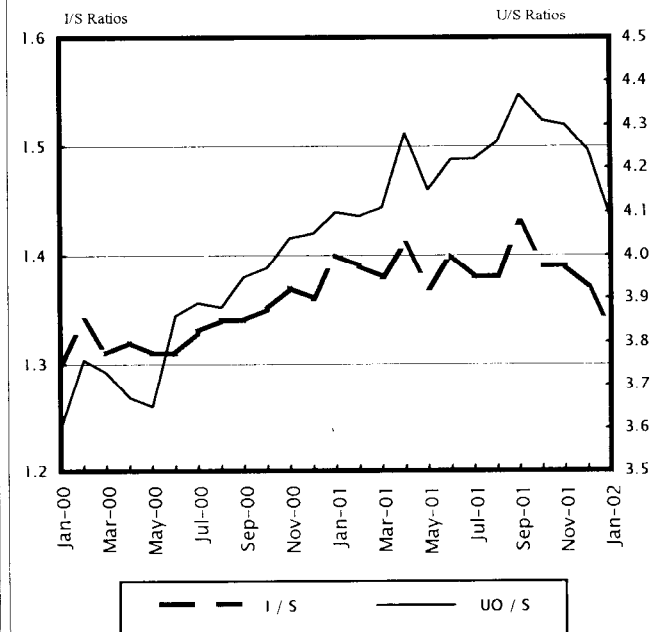
Total Manufacturing
New Orders and Three Month
Moving Average



Total Manufacturing
Total Inventories and Three Month
Moving Average

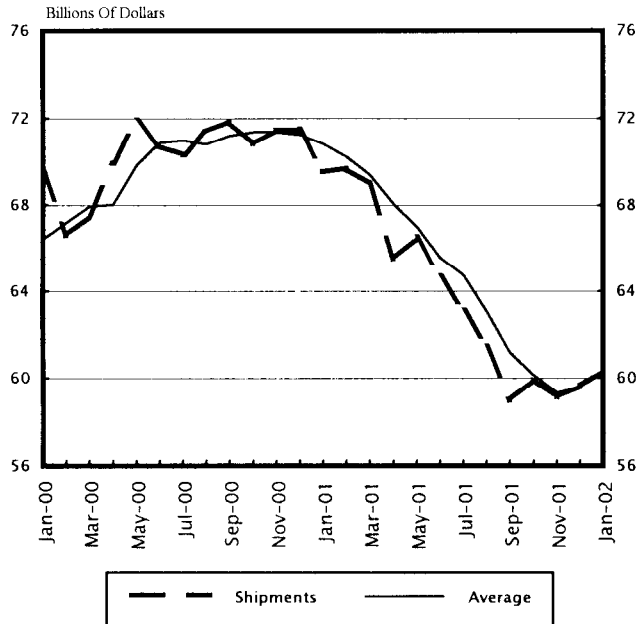


Total Manufacturing
Ratios of Unfilled Orders and Total
Inventories to Shipments

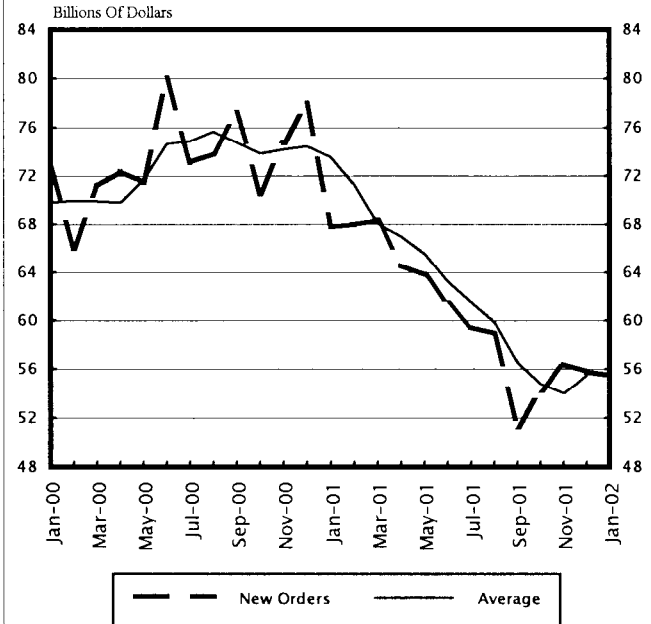


Note: All charts based on seasonally adjusted current dollars.

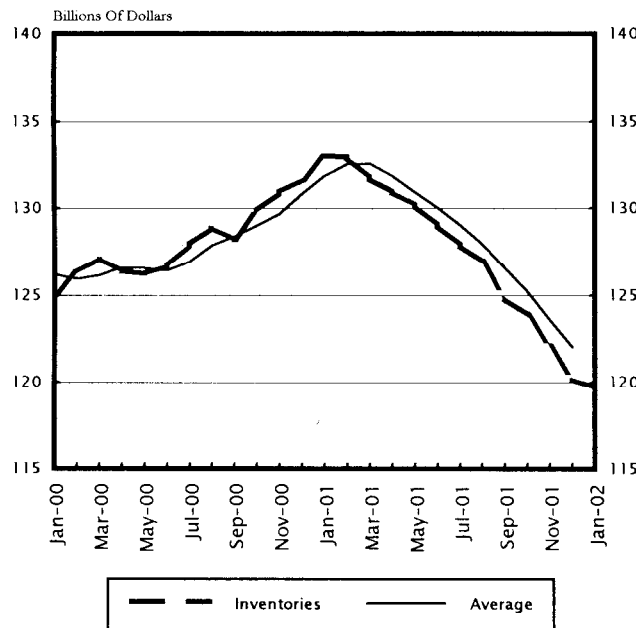
Nondefense Capital Goods
Shipments and Three Month
Moving Average



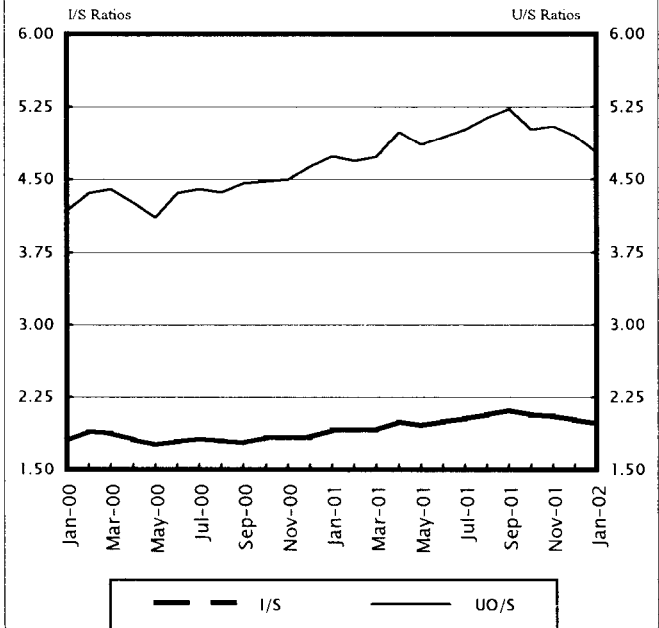
Nondefense Capital Goods
New Orders and Three Month
Moving Average



Nondefense Capital Goods
Total Inventories and Three Month
Moving Average



Nondefense Capital Goods
Ratios of Unfilled Orders and Total
Inventories to Shipments



Note: All charts based on seasonally adjusted current dollars.