



Manufacturers Shipments, Inventories, and Orders

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September increased \$8.4 billion or 2.7 percent to \$319.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.1 percent August decrease, is the sixth increase this year, and the largest since August 1994. Excluding transportation, new orders increased 0.4 percent, following a 1.1 percent August decrease. Year to date, new orders are 4.8 percent above the same period a year ago.

Shipments, up five of the last six months, increased \$2.4 billion or 0.8 percent to \$315.3 billion, following a 0.1 percent August increase. Year to date, shipments are 4.0 percent above the same period a year ago.

Unfilled orders, up four of the last five months, increased \$3.7 billion or 0.7 percent to \$505.6 billion, following a 0.5 percent August decrease. The unfilled orders-to-shipments ratio was 2.91, unchanged from August.

Inventories, up for the third consecutive month, increased \$1.4 billion or 0.3 percent to \$437.1 billion, following a 0.3 percent August increase. The inventories-to-shipments ratio was 1.39, unchanged from August.

New Orders

New orders for manufactured durable goods in September increased \$8.1 billion or 4.9 percent to \$174.4 billion, revised from the previously published 4.6 percent increase. This follows a 3.6 percent August decrease and is the largest increase since December 1992.

Transportation equipment had the largest increase, \$7.4 billion or 19.8 percent to \$44.9 billion, with over three-fourths of the increase due to aircraft and parts. This is the first increase since May and the third this year. Stone, clay, and glass products, also up for the first month since May, increased \$0.4 billion or 5.8 percent to \$7.2 billion. This follows a 0.2 percent August decline. Fabricated metal products, up five of the last six months, increased \$0.3 billion or 1.6 percent to \$18.2 billion. Instruments and related products increased \$0.2 billion or 1.4 percent to \$12.3 billion, following a 4.2 percent August decline. Primary metals, down three of the last four months, decreased \$0.2 billion or 1.3 percent to \$15.0 billion, following a 3.9 percent August decline. Industrial machinery and equipment decreased \$0.2 billion or 0.5 percent to \$32.2 billion. This follows a 0.7 percent August decrease and four consecutive monthly increases. Electronic and other electrical equipment, down for the second consecutive month, decreased \$0.1 billion or 0.5 percent to \$26.5 billion. This follows a 5.3 percent August decrease.

New orders for nondurable goods, up two of the last three months, increased \$0.3 billion or 0.2 percent to \$144.6 billion, following a 0.4 percent August decline. Petroleum and coal products had the largest increase; food and kindred products, and paper and allied products had the largest declines.

Shipments

Shipments of durable goods in September, up for the third consecutive month, increased \$2.4 billion or 1.4 percent to \$170.8 billion, unrevised from previously published 1.4 percent increase. This follows a 0.4 percent September increase.

Transportation equipment, up for the third consecutive month, had the largest increase, \$1.2 billion or 3.0 percent to \$40.9 billion; led by motor

vehicles and parts, all component industries increased. This follows a 1.3 percent August increase. Electronic and other electrical equipment increased \$0.5 billion or 2.0 percent to \$27.2 billion, the fourth increase in the last five months. Industrial machinery and equipment, up four of the last five months, increased \$0.4 billion or 1.4 percent to \$32.5 billion, following a 1.2 percent August increase. Instruments and related products, down for the second consecutive month, decreased \$0.1 billion or 1.1 percent to \$12.5 billion.

Shipments of nondurable goods, up for the seventh month this year, increased \$0.1 billion to \$144.4 billion, following a 0.2 percent August decrease. Petroleum and coal products had the largest increase, \$0.5 billion or 3.5 percent to \$15.7 billion. This follows a 2.6 percent August increase and is the tenth increase in the last twelve months. Food and kindred products, down three of the last four months, had the largest decline, \$0.3 billion or 0.9 percent to \$38.7 billion, following a 0.2 percent August decline.

Unfilled Orders

Unfilled orders for durable goods in September increased \$3.6 billion or 0.7 percent to \$481.4 billion, unrevised from the previously published 0.7 percent increase. This follows a 0.5 percent August decrease and is the fourth increase in the last five months.

Transportation equipment, up four of the last five months, had the largest increase, \$4.0 billion or 1.7 percent to \$243.8 billion, due to aircraft and parts. This follows a 0.9 percent August decline. Fabricated metal products, up for the eighth consecutive month, increased \$0.3 billion or 1.5 percent to \$22.9 billion. Stone, clay, and glass products, up for the first month since November 1995, increased \$0.3 billion or 4.8 percent to \$6.6 billion. Primary metals, up for the sixth consecutive month, increased \$0.1 billion or 0.5 percent to \$31.9 billion, following a 1.1 percent August increase. Electronic and other electrical equipment decreased \$0.7 billion or 1.4 percent to \$49.1 billion, the seventh decline in the last eight months. Industrial machinery and equipment, down for the first month since June, decreased \$0.3 billion or 0.4 percent to \$72.7 billion, following a 0.4 percent August increase.

Inventories

Inventories of durable goods in September increased \$0.5 billion or 0.2 percent to \$276.4 billion, the third consecutive monthly increase. Transportation equipment, up eight of the last nine months, increased \$0.4 billion or 0.5 percent to \$67.5 billion. This follows a 0.4 percent August increase. Primary metals, up three of the last four months, increased \$0.3 billion or 1.2 percent to \$23.9 billion, following a 0.2 percent August increase. Industrial machinery and equipment decreased \$0.5 billion or 0.8 percent to \$58.7 billion, the fourth decline in the last five months.

Inventories of nondurable goods, up for the second consecutive month, increased \$1.0 billion or 0.6 percent to \$160.7 billion, following a 0.1 percent August increase. The largest increases were in food and kindred products, chemicals and allied products, petroleum and coal products and rubber and plastic products.

By stage of fabrication, September finished goods increased 0.3 percent in durables and 1.1 percent in nondurables. Work in process increased slightly in durables and decreased slightly in nondurables. Materials and supplies increased 0.3 percent in durables and 0.3 percent in nondurables.

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The advance report on durable goods for October is scheduled for November 27, 1996 at 10:00 a.m. and the full report on December 6, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1)(202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

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	Year to date	
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Sept. 1995		Sept. 96/95	1996 ^p
All manufacturing industries	315,280	312,847	312,400	+0.8	+0.1	+1.1	335,766	315,225	279,693	319,953	+4.9	2,765,067	2,659,099
Manufacturing Industries													
with unfilled orders	173,452	172,312	171,665	+0.7	+0.4	0.0	187,489	171,965	151,210	180,615	+3.8	1,523,506	1,469,688
without defense capital goods	309,216	306,910	306,673	+0.8	+0.1	+1.3	329,138	309,430	274,624	313,404	+5.0	2,712,246	2,605,184
Durable goods industries	170,840	168,471	167,774	+1.4	+0.4	+0.5	183,337	166,500	140,540	173,496	+5.7	1,481,689	1,419,703
With unfilled orders	137,525	136,304	135,486	+0.9	+0.6	-0.1	149,210	134,496	116,777	142,051	+5.0	1,202,028	1,148,765
Stone, clay, and glass products	6,863	6,904	7,105	-0.6	-2.8	+2.9	7,476	7,475	6,976	6,942	+7.7	61,790	56,395
Primary metals	14,832	14,845	15,083	-0.1	-1.6	+3.0	15,285	14,886	13,548	15,753	-3.0	134,625	140,066
Blast furnaces, steel mills	6,209	6,166	6,257	+0.7	-1.5	+1.0	6,358	6,192	5,675	6,435	-1.2	55,714	57,302
Iron and steel foundries	1,455	1,434	1,540	+1.5	-6.9	+9.8	1,522	1,477	1,211	1,356	+12.2	12,647	11,665
Nonferrous and other primary metals	7,168	7,245	7,286	-1.1	-0.6	+3.4	7,405	7,217	6,662	7,962	-7.0	66,264	71,099
Fabricated metal products	17,869	17,812	17,543	+0.3	+1.5	+0.5	18,797	18,285	15,479	17,483	+7.5	156,258	149,038
Industrial machinery and equipment	32,483	32,037	31,657	+1.4	+1.2	-0.9	35,648	29,970	26,429	33,062	+7.8	283,374	260,910
Engines and turbines	1,672	1,634	1,745	+2.3	-6.4	-1.4	2,050	1,431	1,178	2,182	-6.0	14,993	15,643
Farm and garden machinery	2,019	1,952	1,918	+3.4	+1.8	+3.5	1,795	1,585	1,449	1,500	+19.7	17,550	16,323
Construction, mining and material handling equipment	3,672	3,608	3,596	+1.8	+0.3	+0.8	3,657	3,459	3,245	3,334	+9.7	32,263	29,648
Metalworking machinery	3,179	3,203	3,162	-0.7	+1.3	0.0	3,519	3,042	2,594	3,364	+4.6	27,467	26,228
Computer and office equipment	9,072	8,977	8,581	+1.1	+4.6	-0.8	11,449	7,999	6,345	10,250	+11.7	76,178	66,759
Electronic and other electrical equipment	27,165	26,637	26,582	+2.0	+0.2	-1.4	30,376	26,083	23,247	28,989	+4.8	236,236	218,195
Electrical transmission and distribution equipment and industrial apparatus	3,193	3,155	3,158	+1.2	-0.1	-0.3	3,600	3,114	2,804	3,536	+1.8	28,192	27,970
Household appliances	1,980	2,000	2,013	-1.0	-0.6	-2.1	2,113	2,102	1,888	2,164	-2.4	18,377	17,549
Electric lighting and wiring equipment	2,056	2,063	2,037	-0.3	+1.3	+0.7	2,227	2,044	1,693	2,141	+4.0	17,971	17,473
Household audio and video equipment	1,328	1,321	1,272	+0.5	+3.9	-2.8	1,635	1,414	1,123	1,455	+12.4	10,657	9,600
Communications equipment	6,301	6,027	6,116	+4.5	-1.5	-1.9	7,082	5,382	5,163	6,023	+17.6	51,278	44,224
Electronic components	10,326	10,046	9,969	+2.8	+0.8	-1.7	11,524	10,042	8,942	11,480	+0.4	92,287	84,580
Transportation equipment	40,949	39,771	39,268	+3.0	+1.3	+1.6	42,597	38,837	27,112	39,789	+7.1	342,269	336,852
Motor vehicles and parts	28,713	28,046	28,541	+2.4	-1.7	+4.6	29,439	27,540	17,799	27,650	+6.5	242,368	235,106
Aircraft, missiles, space vehicles, and parts	9,049	9,048	8,126	0.0	+11.3	-1.7	9,794	8,631	7,044	9,133	+7.2	73,826	75,404
Shipbuilding and tanks	871	754	836	+15.5	-9.8	-10.6	920	735	788	823	+11.8	7,495	7,586
Instruments and related products	12,500	12,643	12,775	-1.1	-1.0	+1.5	13,472	12,416	11,294	13,140	+2.5	111,466	107,347
Search and navigation equipment	2,416	2,536	2,543	-4.7	-0.3	+1.8	2,645	2,507	2,219	2,873	-7.9	22,383	22,910
Measuring and controlling devices	3,769	3,838	3,781	-1.8	+1.5	-0.9	4,048	3,801	3,215	4,074	-0.6	33,693	32,430
Medical instruments and supplies	4,121	4,030	4,013	+2.3	+0.4	+0.3	4,414	3,964	3,671	3,910	+12.9	35,449	32,971
Photographic goods	1,808	1,856	2,033	-2.6	-8.7	+6.6	1,956	1,756	1,796	1,923	+1.7	16,568	15,977
All other durable goods	18,179	17,822	17,761	+2.0	+0.3	0.0	19,686	18,548	16,455	18,338	+7.4	155,671	150,900
Nondurable goods industries	144,440	144,376	144,626	0.0	-0.2	+1.9	152,429	148,725	139,153	146,457	+4.1	1,283,378	1,239,396
With unfilled orders	35,927	36,008	36,179	-0.2	-0.5	+0.4	38,279	37,469	34,433	38,564	-0.7	321,478	320,923
Food and kindred products	38,714	39,046	39,142	-0.9	-0.2	+3.1	41,115	39,800	37,466	39,783	+3.3	343,751	325,789
Meat products	9,005	9,236	9,044	-2.5	+2.1	+1.0	9,482	9,523	8,838	9,545	-0.7	80,453	75,666
Dairy products	5,013	5,014	4,967	0.0	+0.9	+3.7	5,168	5,093	4,836	4,712	+9.7	43,280	40,557
Beverages	5,731	5,635	5,784	+1.7	-2.6	+3.8	5,897	6,138	6,085	5,532	+6.6	51,472	48,183
All other foods, except fats and oils	16,873	17,165	17,392	-1.7	-1.3	+3.8	18,476	17,050	15,752	18,295	+1.0	151,058	145,576
Tobacco products	2,809	2,868	2,866	-2.1	+0.1	+4.6	2,728	3,020	2,844	2,594	+5.2	24,672	23,677
Textile mill products	6,479	6,427	6,534	+0.8	-1.6	-2.6	7,221	6,849	5,801	7,280	-0.8	58,175	59,779
Broadwoven fabrics and other textiles	3,968	3,949	3,977	+0.5	-0.7	-2.3	4,401	4,169	3,387	4,448	-1.1	35,654	36,808
Paper and allied products	13,130	13,246	13,484	-0.9	-1.8	+1.2	13,550	13,577	13,146	14,941	-9.3	121,782	129,605
Pulp, paper, and paperboard mill products	5,230	5,291	5,372	-1.2	-1.5	-0.2	5,361	5,412	5,326	6,609	-18.9	49,177	57,490
Paperboard containers and boxes	3,433	3,387	3,406	+1.4	-0.6	+1.9	3,512	3,489	3,297	3,742	-6.1	31,418	33,173
Miscellaneous converted paper products	4,467	4,568	4,706	-2.2	-2.9	+2.2	4,677	4,676	4,523	4,590	+1.9	41,187	38,942
Chemicals and allied products	31,513	31,370	31,483	+0.5	-0.4	+2.4	32,750	31,371	30,021	30,937	+5.9	279,806	271,413
Industrial chemicals	15,516	15,537	15,403	-0.1	+0.9	+0.9	15,780	15,754	14,901	15,653	+0.8	139,237	142,833
Drugs, soaps, and toiletries	11,708	11,535	11,718	+1.5	-1.6	+3.2	13,253	11,689	10,979	11,834	+12.0	102,054	93,350
Petroleum and coal products	15,679	15,156	14,777	+3.5	+2.6	+1.4	16,258	15,902	15,367	13,039	+24.7	134,024	115,732
Rubber and plastics products	11,787	11,860	12,077	-0.6	-1.8	+1.6	12,264	12,160	11,022	12,523	-2.1	107,582	109,031
All other nondurable goods	24,329	24,403	24,263	-0.3	+0.6	+1.0	26,543	26,046	23,486	25,360	+4.7	213,586	204,370

^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 variability.

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	Year to date	
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Sept. 1995		Sept. 96/95	1996 ^p
All manufacturing industries	319,018	310,575	317,304	+2.7	-2.1	+1.7	334,633	311,139	286,015	317,481	+5.4	2,791,341	2,662,450
Manufacturing industries													
with unfilled orders	177,190	170,040	176,569	+4.2	-3.7	+0.9	186,356	167,879	157,532	178,143	+4.6	1,549,780	1,473,039
without defense capital goods	313,654	305,674	312,499	+2.6	-2.2	+2.8	329,053	307,310	282,813	310,404	+6.0	2,737,093	2,614,085
Durable goods industries	174,413	166,267	172,402	+4.9	-3.6	+1.4	182,703	162,706	146,314	172,768	+5.8	1,506,321	1,422,531
With unfilled orders	141,098	134,100	140,114	+5.2	-4.3	+1.0	148,576	130,702	122,551	141,323	+5.1	1,226,660	1,151,593
Stone, clay, and glass products	7,169	6,776	6,791	+5.8	-0.2	-0.2	7,657	7,417	6,909	6,767	+13.2	61,795	56,974
Primary metals	14,976	15,177	15,799	-1.3	-3.9	+1.6	14,407	14,773	13,876	14,863	-3.1	136,657	138,499
Blast furnaces, steel mills	6,280	6,244	6,552	+0.6	-4.7	+2.8	5,926	6,186	5,827	5,890	+0.6	56,375	57,662
Iron and steel foundries	1,527	1,526	1,581	+0.1	-3.5	-1.3	1,523	1,500	1,218	1,319	+15.5	13,366	11,592
Nonferrous and other primary metals	7,169	7,407	7,666	-3.2	-3.4	+1.2	6,958	7,087	6,831	7,654	-9.1	66,916	69,245
Fabricated metal products	18,206	17,915	17,724	+1.6	+1.1	+0.5	18,932	18,428	15,885	17,323	+9.3	158,013	149,899
Industrial machinery and equipment	32,191	32,354	32,591	-0.5	-0.7	+2.8	34,901	30,252	27,309	32,621	+7.0	284,463	265,051
Engines and turbines	1,673	1,618	1,962	+3.4	-17.5	+29.7	2,283	1,552	1,518	2,358	-3.2	14,702	15,533
Construction, mining and material handling equipment	3,835	3,705	3,607	+3.5	+2.7	-0.4	3,885	3,353	3,028	3,521	+10.3	32,775	30,506
Metalworking machinery	3,079	3,248	3,403	-5.2	-4.6	+10.1	3,419	3,087	2,835	3,226	+6.0	28,090	27,274
Computer and office equipment	8,780	9,014	9,039	-2.6	-0.3	+3.0	10,758	8,116	6,931	9,735	+10.5	76,228	66,895
Electronic and other electrical equipment	26,472	26,596	28,074	-0.5	-5.3	+4.9	28,064	25,815	26,181	27,674	+1.4	235,279	224,997
Electrical transmission and distribution equipment and industrial apparatus	3,173	3,079	3,462	+3.1	-11.1	+7.6	3,458	3,037	3,223	3,219	+7.4	28,342	27,934
Electric lighting and wiring equipment	2,067	2,127	2,202	-2.8	-3.4	+8.6	2,238	2,108	1,858	2,022	+10.7	18,431	17,698
Communications equipment	5,631	5,621	6,476	+0.2	-13.2	+12.5	6,421	4,950	5,489	7,175	-10.5	50,913	46,383
Electronic components	10,298	10,331	10,724	-0.3	-3.7	+2.7	10,092	10,037	11,044	9,694	+4.1	90,725	89,663
Transportation equipment	44,927	37,503	41,125	+19.8	-8.8	-1.5	46,009	35,843	28,370	43,121	+6.7	363,464	331,136
Aircraft, missiles, space vehicles, and parts	12,990	7,012	10,017	+85.3	-30.0	+1.5	13,317	5,828	8,182	12,383	+7.5	94,921	72,295
Shipbuilding and tanks	605	564	308	+7.3	+83.1	-85.5	610	495	192	702	-13.1	7,326	5,665
Instruments and related products	12,275	12,109	12,635	+1.4	-4.2	+4.0	13,291	11,696	11,125	12,581	+5.6	109,848	104,160
Search and navigation equipment	2,225	2,004	2,028	+11.0	-1.2	-6.0	2,515	1,838	1,546	2,457	+2.4	20,303	19,837
Measuring and controlling devices	3,403	3,713	3,869	-8.3	-4.0	+4.4	3,682	3,676	3,303	3,961	-7.0	33,131	33,102
Medical instruments and supplies	4,247	4,143	4,304	+2.5	-3.7	+8.5	4,467	4,051	4,082	3,864	+15.6	35,988	32,097
All other durable goods	18,197	17,837	17,663	+2.0	+1.0	+0.1	19,442	18,482	16,659	17,818	+9.1	156,802	151,815
Nondurable goods industries	144,605	144,308	144,902	+0.2	-0.4	+1.9	151,930	148,433	139,701	144,713	+5.0	1,285,020	1,239,919
With unfilled orders	36,092	35,940	36,455	+0.4	-1.4	+0.6	37,780	37,177	34,981	36,820	+2.6	323,120	321,446

^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(95), "Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 96/95
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Sept. 1995	
All manufacturing industries	505,571	501,833	504,105	+0.7	-0.5	+1.0	500,749	501,882	505,968	467,658	+7.1
Manufacturing industries without defense capital goods	399,326	394,888	396,124	+1.1	-0.3	+1.5	396,211	396,296	398,416	365,332	+8.5
Durable goods industries	481,394	477,821	480,025	+0.7	-0.5	+1.0	476,347	476,981	480,775	442,559	+7.6
Stone, clay, and glass products	6,645	6,339	6,467	+4.8	-2.0	-4.6	6,767	6,586	6,644	7,228	-6.4
Primary metals	31,867	31,723	31,391	+0.5	+1.1	+2.3	30,307	31,185	31,298	27,160	+11.6
Blast furnaces, steel mills	12,975	12,904	12,826	+0.6	+0.6	+2.4	12,339	12,771	12,777	11,019	+12.0
Iron and steel foundries	4,417	4,345	4,253	+1.7	+2.2	+1.0	4,289	4,288	4,265	3,610	+18.8
Nonferrous and other primary metals	14,475	14,474	14,312	0.0	+1.1	+2.7	13,679	14,126	14,256	12,531	+9.2
Fabricated metal products	22,912	22,575	22,472	+1.5	+0.5	+0.8	23,076	22,941	22,798	21,943	+5.2
Industrial machinery and equipment	72,740	73,032	72,715	-0.4	+0.4	+1.3	71,653	72,400	72,118	69,754	+2.7
Engines and turbines	10,963	10,962	10,978	0.0	-0.1	+2.0	11,144	10,911	10,790	11,014	+1.2
Construction, mining and material handling equipment	9,548	9,385	9,288	+1.7	+1.0	+0.1	9,195	8,967	9,073	8,043	+14.3
Metalworking machinery	9,090	9,190	9,145	-1.1	+0.5	+2.7	9,090	9,190	9,145	9,537	-4.7
Computer and office equipment	9,905	10,197	10,160	-2.9	+0.4	+4.7	9,826	10,517	10,400	10,164	-3.3
Electronic and other electrical equipment	49,070	49,763	49,804	-1.4	-0.1	+3.1	48,028	50,340	50,608	49,437	-2.9
Electrical transmission and distribution equipment and industrial apparatus	6,290	6,310	6,386	-0.3	-1.2	+5.0	6,211	6,353	6,430	6,095	+1.9
Electric lighting and wiring equipment	4,390	4,379	4,315	+0.3	+1.5	+4.0	4,390	4,379	4,315	3,950	+11.1
Communications equipment	14,150	14,820	15,226	-4.5	-2.7	+2.4	14,139	14,800	15,232	14,769	-4.3
Electronic components	20,156	20,184	19,899	-0.1	+1.4	+3.9	19,229	20,661	20,666	20,441	-5.9
Transportation equipment	243,820	239,842	242,110	+1.7	-0.9	+0.8	242,356	238,944	241,938	212,429	+14.1
Aircraft, missiles, space vehicles, and parts	213,529	209,588	211,624	+1.9	-1.0	+0.9	212,149	208,626	211,429	181,023	+17.2
Shipbuilding and tanks	16,844	17,110	17,300	-1.6	-1.1	-3.0	16,818	17,128	17,368	17,870	-5.9
Instruments and related products	46,936	47,161	47,695	-0.5	-1.1	-0.3	46,531	46,712	47,432	46,733	-0.4
Search and navigation equipment	28,029	28,220	28,752	-0.7	-1.9	-1.8	27,713	27,843	28,512	28,963	-4.3
Measuring and controlling devices	9,542	9,908	10,033	-3.7	-1.2	+0.9	9,542	9,908	10,033	9,920	-3.8
Medical instruments and supplies	8,179	8,053	7,940	+1.6	+1.4	+3.8	8,040	7,987	7,900	7,067	+13.8
All other durable goods	7,404	7,386	7,371	+0.2	+0.2	-1.3	7,629	7,873	7,939	7,875	-3.1
Nondurable goods industries	24,177	24,012	24,080	+0.7	-0.3	+1.2	24,402	24,901	25,193	25,099	-2.8

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey variability.

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

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 96/95
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Sept. 1995	
All manufacturing industries	437,134	435,687	434,446	+0.3	+0.3	+0.1	436,368	438,946	436,123	429,504	+1.6
Manufacturing industries with unfilled orders	293,314	292,712	291,706	+0.2	+0.3	+0.2	292,814	296,632	294,500	287,915	+1.7
without defense capital goods	418,096	416,572	415,174	+0.4	+0.3	+0.2	417,043	419,354	416,422	408,999	+2.0
Durable goods industries	276,423	275,926	274,807	+0.2	+0.4	+0.4	275,527	278,690	276,168	267,567	+3.0
With unfilled orders	253,699	253,024	251,958	+0.3	+0.4	+0.3	253,187	256,158	253,971	245,979	+2.9
Stone, clay, and glass products	8,261	8,252	8,205	+0.1	+0.6	-0.8	8,105	8,255	8,311	8,504	-4.7
Primary metals	23,905	23,612	23,555	+1.2	+0.2	-0.7	23,867	23,685	23,715	23,716	+0.6
Blast furnaces, steel mills	11,932	11,715	11,564	+1.9	+1.3	-0.1	11,932	11,714	11,662	11,472	+4.0
Iron and steel foundries	1,475	1,453	1,456	+1.5	-0.2	+0.9	1,447	1,439	1,455	1,347	+7.4
Nonferrous and other primary metals	10,498	10,444	10,535	+0.5	-0.9	-1.7	10,488	10,532	10,598	10,897	-3.8
Fabricated metal products	26,194	26,133	26,008	+0.2	+0.5	+1.3	25,947	26,216	26,246	26,518	-2.2
Industrial machinery and equipment	58,737	59,201	59,222	-0.8	0.0	+0.8	58,084	59,940	59,222	56,799	+2.3
Engines and turbines	3,836	3,862	3,837	-0.7	+0.7	+1.3	3,922	4,102	3,908	4,079	-3.8
Farm and garden machinery	2,844	2,892	2,914	-1.7	-0.8	-0.5	2,668	2,691	2,662	2,603	+2.5
Construction, mining and material handling equipment	7,222	7,215	7,172	+0.1	+0.6	+0.3	7,157	7,158	7,088	7,029	+1.8
Metalworking machinery	7,020	7,123	7,087	-1.4	+0.5	+0.1	7,083	7,414	7,248	6,867	+3.1
Computer and office equipment	12,756	12,952	13,139	-1.5	-1.4	+1.1	12,322	13,451	13,350	12,448	-1.0
Electronic and other electrical equipment	41,091	41,062	40,954	+0.1	+0.3	-0.3	41,018	41,731	41,484	39,826	+3.0
Electrical transmission and distribution equipment and industrial apparatus	4,728	4,679	4,678	+1.0	0.0	-0.1	4,740	4,752	4,726	5,201	-8.9
Household appliances	2,803	2,753	2,691	+1.8	+2.3	+2.0	2,638	2,669	2,651	2,535	+4.1
Electric lighting and wiring equipment	3,282	3,314	3,324	-1.0	-0.3	+0.8	3,249	3,377	3,396	3,420	-5.0
Household audio and video equipment	1,516	1,538	1,560	-1.4	-1.4	-0.4	1,581	1,664	1,671	1,590	-0.6
Communications equipment	11,344	11,268	10,977	+0.7	+2.7	-0.1	11,301	11,431	10,965	10,314	+9.6
Electronic components	13,853	13,943	14,168	-0.6	-1.6	-1.1	13,908	14,167	14,411	13,254	+4.9
Transportation equipment	67,476	67,112	66,855	+0.5	+0.4	+0.7	67,758	67,947	67,092	63,710	+6.4
Motor vehicles and parts	15,792	15,812	15,869	-0.1	-0.4	+2.1	15,894	16,073	15,874	15,423	+3.1
Aircraft, missiles, space vehicles, and parts	46,497	46,095	45,897	+0.9	+0.4	+0.1	46,782	46,669	46,149	43,370	+7.9
Shipbuilding and tanks	1,941	1,859	1,802	+4.4	+3.2	-4.0	1,883	1,856	1,839	1,776	+6.0
Instruments and related products	25,016	25,049	24,922	-0.1	+0.5	+1.6	25,115	25,485	25,174	23,493	+6.9
Search and navigation equipment	6,727	6,719	6,691	+0.1	+0.4	+3.6	6,757	6,857	6,801	6,068	+11.4
Measuring and controlling devices	8,056	8,054	8,007	0.0	+0.6	+1.5	8,048	8,164	8,084	7,488	+7.5
Medical instruments and supplies	7,301	7,341	7,298	-0.5	+0.6	+0.3	7,294	7,464	7,330	6,859	+6.3
Photographic goods	2,289	2,293	2,298	-0.2	-0.2	+1.4	2,381	2,359	2,329	2,468	-3.5
All other durable goods	25,743	25,505	25,086	+0.9	+1.7	-0.4	25,633	25,431	24,924	25,001	+2.5
Nondurable goods industries	160,711	159,761	159,639	+0.6	+0.1	-0.4	160,841	160,256	159,955	161,937	-0.7
With unfilled orders	39,615	39,688	39,748	-0.2	-0.2	-0.7	39,627	40,474	40,529	41,936	-5.5
Food and kindred products	33,480	33,171	33,185	+0.9	0.0	-0.3	34,128	32,933	32,196	33,559	+1.7
Meat products	4,029	3,995	4,008	+0.9	-0.3	-0.9	4,029	3,920	4,011	3,829	+5.2
Dairy products	3,100	2,983	2,921	+3.9	+2.1	+5.1	3,103	3,042	3,053	2,558	+21.3
Beverages	6,316	6,266	6,197	+0.8	+1.1	-0.2	6,379	6,142	6,093	6,252	+2.0
All other foods, except fats and oils	17,999	17,683	17,851	+1.8	-0.9	-1.1	18,935	17,859	16,964	19,340	-2.1
Tobacco products	5,679	5,630	5,524	+0.9	+1.9	-1.1	5,696	5,399	5,123	5,702	-0.1
Textile mill products	10,043	10,071	10,007	-0.3	+0.6	0.0	9,843	10,147	10,151	10,092	-2.5
Broadwoven fabrics and other textiles	5,974	6,007	5,972	-0.5	+0.6	-0.3	5,837	6,040	6,045	6,042	-3.4
Paper and allied products	16,766	16,781	16,726	-0.1	+0.3	-0.1	16,564	16,782	16,710	17,059	-2.9
Pulp, paper, and paperboard mill products	7,014	7,059	7,044	-0.6	+0.2	+0.5	6,923	7,046	6,966	6,690	+3.5
Paperboard containers and boxes	4,013	3,985	3,974	+0.7	+0.3	-2.1	4,017	3,985	4,011	4,760	-15.6
Miscellaneous converted paper products	5,739	5,737	5,708	0.0	+0.5	+0.5	5,624	5,751	5,733	5,609	+0.3
Chemicals and allied products	39,216	38,991	38,877	+0.6	+0.3	-0.5	38,846	38,948	38,909	38,697	+0.4
Industrial chemicals	18,955	18,810	18,686	+0.8	+0.7	-0.4	18,841	18,765	18,701	19,182	-1.8
Drugs, soaps, and toiletries	15,255	15,164	15,178	+0.6	-0.1	-0.7	15,286	15,469	15,432	15,024	+1.7
Petroleum and coal products	12,541	12,330	12,327	+1.7	0.0	+0.3	12,737	12,494	12,628	11,673	+9.1
Rubber and plastics products	15,531	15,352	15,277	+1.2	+0.5	+0.2	15,220	15,119	15,279	15,043	+1.2
All other nondurable goods	27,455	27,435	27,716	+0.1	-1.0	-1.0	27,807	28,434	28,959	30,112	-7.7

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey variability.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted ²						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Sept. 1995		Sept. 96/95	1996 ^p
SHIPMENTS													
All manufacturing industries	315,280	312,847	312,400	+0.8	+0.1	+1.1	335,766	315,225	279,693	319,953	+4.9	2,765,067	2,659,099
Market categories :													
Automotive equipment	14,774	14,211	14,365	+4.0	-1.1	+3.4	15,281	13,922	9,169	14,061	+8.7	123,769	118,671
Home goods and apparel	18,678	18,583	18,587	+0.5	0.0	-0.4	21,225	19,935	17,189	20,119	+5.5	164,375	157,753
Consumer staples	66,313	66,300	66,250	0.0	+0.1	+2.7	70,792	68,117	64,210	65,687	+7.8	583,213	542,246
Machinery and equipment	57,579	56,255	55,442	+2.4	+1.5	-0.2	62,417	53,429	45,134	57,171	+9.2	489,337	457,595
Business supplies	25,042	24,880	24,929	+0.7	-0.2	+1.2	25,940	25,102	23,635	24,204	+7.2	219,901	206,098
Construction materials and supplies	19,586	19,619	19,774	-0.2	-0.8	+3.0	21,007	20,769	18,898	20,173	+4.1	171,979	168,616
Defense products	6,374	6,282	6,077	+1.5	+3.4	-7.0	6,961	6,188	5,451	6,946	+0.2	56,057	57,500
Other materials, supplies and and intermediate products	106,934	106,717	106,976	+0.2	-0.2	+1.0	112,143	107,763	96,007	111,592	+0.5	956,436	950,620
Durable goods industries :													
Nondefense capital goods ³	44,068	43,304	42,309	+1.8	+2.4	-1.6	49,152	40,612	35,777	45,786	+7.4	376,642	353,644
Excluding aircraft and parts	38,444	37,564	37,158	+2.3	+1.1	-2.3	43,106	35,243	31,404	40,186	+7.3	331,129	307,253
Defense capital goods ⁴	6,064	5,937	5,727	+2.1	+3.7	-7.7	6,628	5,795	5,069	6,549	+1.2	52,821	53,915
Durables excluding capital goods	120,708	119,230	119,738	+1.2	-0.4	+1.7	127,557	120,093	99,694	121,161	+5.3	1,052,226	1,012,144
Miscellaneous series :													
Producers' durable equipment	110,712	108,836	108,058	+1.7	+0.7	+0.5	118,824	105,720	85,813	110,290	+7.7	950,619	899,222
Household durable goods	9,326	9,188	9,171	+1.5	+0.2	-1.4	10,695	9,480	7,919	9,665	+10.7	80,548	73,272
Information technology industries	21,524	21,331	21,107	+0.9	+1.1	-0.2	25,162	19,619	17,043	22,996	+9.4	182,839	164,868
Health care equipment and products	10,488	10,306	10,387	+1.8	-0.8	+2.0	11,608	10,326	9,632	10,345	+12.2	90,987	83,846
NEW ORDERS													
All manufacturing industries	319,018	310,575	317,304	+2.7	-2.1	+1.7	334,633	311,139	286,015	317,481	+5.4	2,791,341	2,662,450
Market categories :													
Automotive equipment	14,781	14,228	14,399	+3.9	-1.2	+3.7	15,254	13,966	9,257	14,012	+8.9	123,801	118,575
Home goods and apparel	19,092	18,622	18,302	+2.5	+1.7	-1.0	21,232	19,807	17,151	19,275	+10.2	166,463	159,953
Consumer staples	66,221	66,216	66,488	0.0	-0.4	+3.0	70,568	68,108	64,630	65,479	+7.8	583,510	542,447
Machinery and equipment	60,686	54,537	58,529	+11.3	-6.8	+4.9	64,592	51,489	48,242	60,294	+7.1	507,921	460,381
Business supplies	25,020	24,801	25,061	+0.9	-1.0	+1.4	25,773	25,097	23,837	23,866	+8.0	220,235	206,477
Construction materials and supplies	19,867	19,638	19,826	+1.2	-0.9	+3.2	21,115	20,749	19,058	19,794	+6.7	172,739	168,978
Defense products	5,505	5,267	5,085	+4.5	+3.6	-39.0	5,718	4,279	3,518	7,641	-25.2	57,084	52,644
Other materials, supplies and and intermediate products	107,846	107,266	109,614	+0.5	-2.1	+2.3	110,381	107,644	100,322	107,120	+3.0	959,588	952,995
Durable goods industries :													
Nondefense capital goods ³	47,580	41,172	45,935	+15.6	-10.4	+7.0	51,910	38,447	39,401	48,666	+6.7	395,437	356,940
Excluding aircraft and parts	37,769	36,847	38,759	+2.5	-4.9	+3.7	41,677	34,493	33,003	40,371	+3.2	332,064	312,470
Defense capital goods ⁴	5,364	4,901	4,805	+9.4	+2.0	-40.7	5,580	3,829	3,202	7,077	-21.2	54,248	48,365
Durables excluding capital goods	121,469	120,194	121,662	+1.1	-1.2	+2.3	125,213	120,430	103,711	117,025	+7.0	1,056,636	1,017,226
Miscellaneous series :													
Producers' durable equipment	113,567	107,446	111,377	+5.7	-3.5	+3.4	120,228	104,394	90,001	112,905	+6.5	969,370	904,369
Household durable goods	9,567	9,166	8,958	+4.4	+2.3	-2.5	10,743	9,457	7,975	9,387	+14.4	81,660	74,300
Information technology industries	20,147	20,497	21,800	-1.7	-6.0	+6.7	23,391	18,870	17,874	22,998	+1.7	181,120	166,578
Health care equipment and products	10,614	10,420	10,679	+1.9	-2.4	+5.2	11,661	10,414	10,044	10,297	+13.2	91,530	82,970

^p Preliminary. ^r Revised.

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 : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

⁴ Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

**Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 96/95
	Sept. 1996 ^p	Aug. 1996 ^f	July 1996	Aug.- Sept.	July- Aug.	June- July	Sept. 1996 ^p	Aug. 1996 ^f	July 1996	Sept. 1995	
UNFILLED ORDERS											
All manufacturing industries	505,571	501,833	504,105	+0.7	-0.5	+1.0	500,749	501,882	505,968	467,658	+7.1
Market categories :											
Automotive equipment	1,959	1,952	1,936	+0.4	+0.8	+1.8	1,950	1,977	1,934	2,068	-5.7
Home goods and apparel	9,401	8,987	8,948	+4.6	+0.4	-3.1	9,698	9,691	9,819	9,388	+3.3
Consumer staples	2,034	2,126	2,210	-4.3	-3.8	+12.1	2,122	2,347	2,356	1,878	+13.0
Machinery and equipment	228,725	225,618	227,336	+1.4	-0.8	+1.4	227,446	225,270	227,209	198,870	+14.4
Business supplies	6,519	6,541	6,620	-0.3	-1.2	+2.1	6,571	6,738	6,742	6,470	+1.6
Construction materials and supplies	16,046	15,764	15,745	+1.8	+0.1	+0.3	16,037	15,929	15,949	15,774	+1.7
Defense products	101,112	101,980	102,995	-0.9	-1.0	-1.0	99,397	100,641	102,550	97,283	+2.2
Other materials, supplies and and intermediate products	139,775	138,865	138,315	+0.7	+0.4	+1.9	137,528	139,289	139,409	135,927	+1.2
Durable goods industries :											
Nondefense capital goods ³	247,131	243,619	245,751	+1.4	-0.9	+1.5	245,969	243,211	245,376	217,964	+12.8
Excluding aircraft and parts	97,421	98,096	98,813	-0.7	-0.7	+1.6	96,259	97,688	98,438	94,877	+1.5
Defense capital goods ⁴	106,245	106,945	107,981	-0.7	-1.0	-0.8	104,538	105,586	107,552	102,326	+2.2
Durables excluding capital goods	128,018	127,257	126,293	+0.6	+0.8	+1.5	125,840	128,184	127,847	122,269	+2.9
Miscellaneous series :											
Producers' durable equipment	262,063	259,208	260,598	+1.1	-0.5	+1.3	261,095	259,691	261,017	233,054	+12.0
Household durable goods	5,881	5,640	5,662	+4.3	-0.4	-3.6	6,086	6,038	6,061	6,089	0.0
Information technology industries	36,585	37,962	38,796	-3.6	-2.1	+1.8	36,524	38,295	39,044	38,329	-4.7
Health care equipment and products	8,208	8,082	7,968	+1.6	+1.4	+3.8	8,070	8,018	7,930	7,096	+13.7
TOTAL INVENTORIES											
All manufacturing industries	437,134	435,687	434,446	+0.3	+0.3	+0.1	436,368	438,946	436,123	429,504	+1.6
Market categories :											
Automotive equipment	8,217	8,257	8,258	-0.5	0.0	+3.0	8,176	8,356	8,177	7,536	+8.5
Home goods and apparel	32,182	31,941	31,679	+0.8	+0.8	-0.5	32,001	32,502	32,533	32,221	-0.7
Consumer staples	64,701	64,068	64,038	+1.0	0.0	-0.5	65,615	64,235	63,337	64,480	+1.8
Machinery and equipment	111,434	111,479	110,725	0.0	+0.7	+0.9	110,821	112,793	110,724	103,242	+7.3
Business supplies	26,009	25,849	25,867	+0.6	-0.1	-0.3	26,144	26,276	26,294	26,741	-2.2
Construction materials and supplies	25,940	25,890	25,803	+0.2	+0.3	+0.1	25,676	25,844	25,920	26,214	-2.1
Defense products	18,772	18,830	18,958	-0.3	-0.7	-0.6	19,015	19,255	19,339	20,152	-5.6
Other materials, supplies and and intermediate products	149,879	149,373	149,118	+0.3	+0.2	0.0	148,920	149,685	149,799	148,918	0.0
Durable goods industries :											
Nondefense capital goods ³	105,476	105,350	104,533	+0.1	+0.8	+0.8	104,893	106,756	104,847	98,032	+7.0
Excluding aircraft and parts	71,348	71,735	71,505	-0.5	+0.3	+0.8	70,725	72,881	71,901	68,997	+2.5
Defense capital goods ⁴	19,038	19,115	19,272	-0.4	-0.8	-0.4	19,325	19,592	19,701	20,505	-5.8
Durables excluding capital goods	151,909	151,461	151,002	+0.3	+0.3	+0.3	151,309	152,342	151,620	149,030	+1.5
Miscellaneous series :											
Producers' durable equipment	178,435	178,125	176,928	+0.2	+0.7	+0.9	177,578	180,031	177,363	169,704	+4.6
Household durable goods	15,530	15,297	14,910	+1.5	+2.6	-1.3	15,419	15,550	15,142	14,742	+4.6
Information technology industries	36,598	36,721	36,697	-0.3	+0.1	+0.9	36,185	37,563	37,036	34,662	+4.4
Health care equipment and products	15,596	15,587	15,552	+0.1	+0.2	-0.3	15,604	15,870	15,720	15,033	+3.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

**Table 7. 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 Sept. 96/95
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Aug.- Sept.	July- Aug.	June- July	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	Sept. 1995	
MATERIALS AND SUPPLIES											
All manufacturing industries	143,810	143,378	143,813	+0.3	-0.3	+0.4	143,663	143,997	143,855	144,878	-0.8
Durable goods industries	83,513	83,250	83,567	+0.3	-0.4	+0.9	83,739	84,152	83,594	82,839	+1.1
Stone, clay, and glass products	2,775	2,790	2,772	-0.5	+0.6	+0.6	2,786	2,833	2,778	2,860	-2.6
Primary metals	7,791	7,555	7,543	+3.1	+0.2	+0.2	7,859	7,610	7,542	7,647	+2.8
Fabricated metal products	9,669	9,671	9,622	0.0	+0.5	+1.5	9,648	9,705	9,644	9,559	+0.9
Industrial machinery and equipment	17,833	18,021	18,027	-1.0	0.0	+1.9	17,734	18,413	17,932	17,474	+1.5
Electronic and other electrical equipment	14,333	14,400	14,602	-0.5	-1.4	-1.3	14,470	14,662	14,795	15,256	-5.2
Transportation equipment	12,726	12,627	12,917	+0.8	-2.2	+3.4	12,672	12,693	12,914	12,019	+5.4
Instruments and related products	7,910	7,810	7,772	+1.3	+0.5	+0.9	7,933	7,871	7,825	7,302	+8.6
Lumber, furniture and miscellaneous durable goods	10,476	10,376	10,312	+1.0	+0.6	-0.6	10,637	10,365	10,164	10,722	-0.8
Nondurable goods industries	60,297	60,128	60,246	+0.3	-0.2	-0.2	59,924	59,845	60,261	62,039	-3.4
Food and kindred products	11,585	11,603	11,681	-0.2	-0.7	+1.5	11,242	11,167	11,320	11,214	+0.2
Tobacco products	4,711	4,700	4,612	+0.2	+1.9	-0.5	4,622	4,566	4,373	4,512	+2.4
Textile mill products	2,941	2,948	2,925	-0.2	+0.8	+0.1	2,878	2,956	2,988	2,966	-3.0
Paper and allied products	7,792	7,840	7,850	-0.6	-0.1	-0.5	7,826	7,855	7,802	8,792	-11.0
Chemicals and allied products	13,064	12,847	12,846	+1.7	0.0	-1.2	13,013	12,818	12,958	12,812	+1.6
Petroleum and coal products	4,311	4,210	4,170	+2.4	+1.0	+0.1	4,346	4,287	4,280	4,035	+7.7
Rubber and plastics products	5,890	5,837	5,834	+0.9	+0.1	+0.2	5,864	5,776	5,908	6,073	-3.4
Apparel, printing and publishing and leather goods	10,003	10,143	10,328	-1.4	-1.8	-0.9	10,133	10,420	10,632	11,635	-12.9
WORK IN PROCESS											
All manufacturing industries	144,996	144,967	144,197	0.0	+0.5	0.0	146,002	146,832	145,188	140,781	+3.7
Durable goods industries	118,904	118,867	118,383	0.0	+0.4	+0.1	119,456	120,658	119,327	114,615	+4.2
Stone, clay, and glass products	1,213	1,205	1,197	+0.7	+0.7	-2.5	1,187	1,209	1,238	1,252	-5.2
Primary metals	8,957	8,915	8,989	+0.5	-0.8	-1.2	8,982	8,980	9,130	8,951	+0.3
Fabricated metal products	7,390	7,374	7,341	+0.2	+0.4	+0.2	7,419	7,489	7,373	7,955	-6.7
Industrial machinery and equipment	23,274	23,645	23,983	-1.6	-1.4	-0.2	23,470	24,136	24,169	23,637	-0.7
Electronic and other electrical equipment	15,631	15,604	15,335	+0.2	+1.8	-0.1	15,515	15,732	15,460	13,800	+12.4
Transportation equipment	46,654	46,282	45,836	+0.8	+1.0	+0.3	47,065	46,942	46,054	44,114	+6.7
Instruments and related products	11,130	11,222	11,131	-0.8	+0.8	+2.3	11,152	11,490	11,307	10,250	+8.8
Lumber, furniture and miscellaneous durable goods	4,655	4,620	4,571	+0.8	+1.1	-0.3	4,666	4,680	4,596	4,656	+0.2
Nondurable goods industries	26,092	26,100	25,814	0.0	+1.1	-0.4	26,546	26,174	25,861	26,166	+1.5
Food and kindred products	4,650	4,626	4,334	+0.5	+6.7	-3.4	4,809	4,276	4,031	4,541	+5.9
Tobacco products	237	268	278	-11.6	-3.6	+1.1	290	244	211	408	-28.9
Textile mill products	2,723	2,735	2,733	-0.4	+0.1	-1.5	2,741	2,756	2,756	2,882	-4.9
Paper and allied products	1,785	1,774	1,772	+0.6	+0.1	+0.1	1,762	1,804	1,818	1,655	+6.5
Chemicals and allied products	6,770	6,840	6,815	-1.0	+0.4	-0.6	6,798	6,927	6,895	6,574	+3.4
Petroleum and coal products	2,497	2,491	2,482	+0.2	+0.4	+3.3	2,555	2,571	2,530	2,374	+7.6
Rubber and plastics products	2,113	2,061	2,035	+2.5	+1.3	+0.3	2,093	2,033	2,002	1,998	+4.8
Apparel, printing and publishing and leather goods	5,317	5,305	5,365	+0.2	-1.1	+0.5	5,498	5,563	5,618	5,734	-4.1
FINISHED GOODS											
All manufacturing industries	148,328	147,342	146,436	+0.7	+0.6	-0.1	146,703	148,117	147,080	143,845	+2.0
Durable goods industries	74,006	73,809	72,857	+0.3	+1.3	+0.3	72,332	73,880	73,247	70,113	+3.2
Stone, clay, and glass products	4,273	4,257	4,236	+0.4	+0.5	-1.3	4,132	4,213	4,295	4,392	-5.9
Primary metals	7,157	7,142	7,023	+0.2	+1.7	-1.1	7,026	7,095	7,043	7,118	-1.3
Fabricated metal products	9,135	9,088	9,045	+0.5	+0.5	+2.0	8,880	9,022	9,229	9,004	-1.4
Industrial machinery and equipment	17,630	17,535	17,212	+0.5	+1.9	+1.0	16,880	17,391	17,121	15,688	+7.6
Electronic and other electrical equipment	11,127	11,058	11,017	+0.6	+0.4	+0.6	11,033	11,337	11,229	10,770	+2.4
Transportation equipment	8,096	8,203	8,102	-1.3	+1.2	-1.2	8,021	8,312	8,124	7,577	+5.9
Instruments and related products	5,976	6,017	6,019	-0.7	0.0	+1.4	6,030	6,124	6,042	5,941	+1.5
Lumber, furniture and miscellaneous durable goods	10,612	10,509	10,203	+1.0	+3.0	-0.3	10,330	10,386	10,164	9,623	+7.3
Nondurable goods industries	74,322	73,533	73,579	+1.1	-0.1	-0.5	74,371	74,237	73,833	73,732	+0.9
Food and kindred products	17,245	16,942	17,170	+1.8	-1.3	-0.6	18,077	17,490	16,845	17,804	+1.5
Tobacco products	731	662	634	+10.4	+4.4	-6.5	784	589	539	782	+0.3
Textile mill products	4,379	4,388	4,349	-0.2	+0.9	+0.9	4,224	4,435	4,407	4,244	-0.5
Paper and allied products	7,189	7,167	7,104	+0.3	+0.9	+0.3	6,976	7,123	7,090	6,612	+5.5
Chemicals and allied products	19,382	19,304	19,216	+0.4	+0.5	-0.1	19,035	19,203	19,056	19,311	-1.4
Petroleum and coal products	5,733	5,629	5,675	+1.8	-0.8	-0.8	5,836	5,636	5,818	5,264	+10.9
Rubber and plastics products	7,528	7,454	7,408	+1.0	+0.6	+0.3	7,263	7,310	7,369	6,972	+4.2
Apparel, printing and publishing and leather goods	12,135	11,987	12,023	+1.2	-0.3	-1.7	12,176	12,451	12,709	12,743	-4.4

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFULFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio ¹			
	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	June 1996	Sept. 1996 ^p	Aug. 1996 ^r	July 1996	June 1996
All manufacturing industries	1.39	1.39	1.39	1.40	2.91	2.91	2.94	2.91
Durable goods industries	1.62	1.64	1.64	1.64	3.50	3.51	3.54	3.51
Stone, clay, and glass products	1.20	1.20	1.15	1.20	1.02	0.97	0.96	1.04
Primary metals	1.61	1.59	1.56	1.62	2.15	2.14	2.08	2.09
Fabricated metal products	1.47	1.47	1.48	1.47	1.38	1.36	1.37	1.37
Industrial machinery and equipment	1.81	1.85	1.87	1.84	2.39	2.43	2.45	2.38
Electronic and other electrical equipment	1.51	1.54	1.54	1.52	1.81	1.87	1.87	1.79
Transportation equipment	1.65	1.69	1.70	1.72	12.19	12.11	12.67	12.42
Instruments and related products	2.00	1.98	1.95	1.95	3.75	3.73	3.73	3.80
Nondurable goods industries	1.11	1.11	1.10	1.13	0.67	0.67	0.67	0.66
Food and kindred products	0.86	0.85	0.85	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.02	1.96	1.93	2.04	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.57	1.53	1.49	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.28	1.27	1.24	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.24	1.24	1.23	1.27	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.81	0.83	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.29	1.26	1.28	(X)	(X)	(X)	(X)

^p Preliminary. ^r Revised. (X) Not applicable. (NA) Not available.

¹ Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept. ¹ 1996	Sept. ² 1991-1995	Sept. 1995-Aug. 1996	Sept. ¹ 1996	Sept. ² 1991-1995	Sept. 1995-Aug. 1996	Sept. ¹ 1996	Sept. ² 1991-1995	Sept. 1995-Aug. 1996	Sept. ¹ 1996	Sept. ² 1991-1995	Sept. 1995-Aug. 1996
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.0	0.1	0.2	0.3	0.4	0.4	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.9	0.6	(X)	1.0	0.9	(X)	0.2	0.7	(X)	0.1	0.1
Primary metals	0.1	0.2	0.4	0.4	0.6	0.7	0.2	0.4	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.4	0.4	(X)	0.6	0.5	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.5	0.6	0.4	0.5	0.6	0.1	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.3	0.4	0.3	-2.4	1.5	0.5	-1.5	0.5	0.3	(X)	0.3	0.2
Transportation equipment	0.0	0.5	0.6	2.3	0.9	1.2	0.4	0.1	0.2	(X)	0.2	0.3
Instruments and related products	(X)	0.3	0.5	(X)	0.9	0.8	(X)	0.1	0.2	(X)	0.4	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.4	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Tobacco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense	0.2	0.4	0.5	1.5	1.0	0.6	0.2	0.1	0.1	(X)	0.1	0.3
Defense	0.5	0.7	0.9	1.5	2.9	5.7	0.0	0.1	0.3	(X)	0.2	0.4

(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.

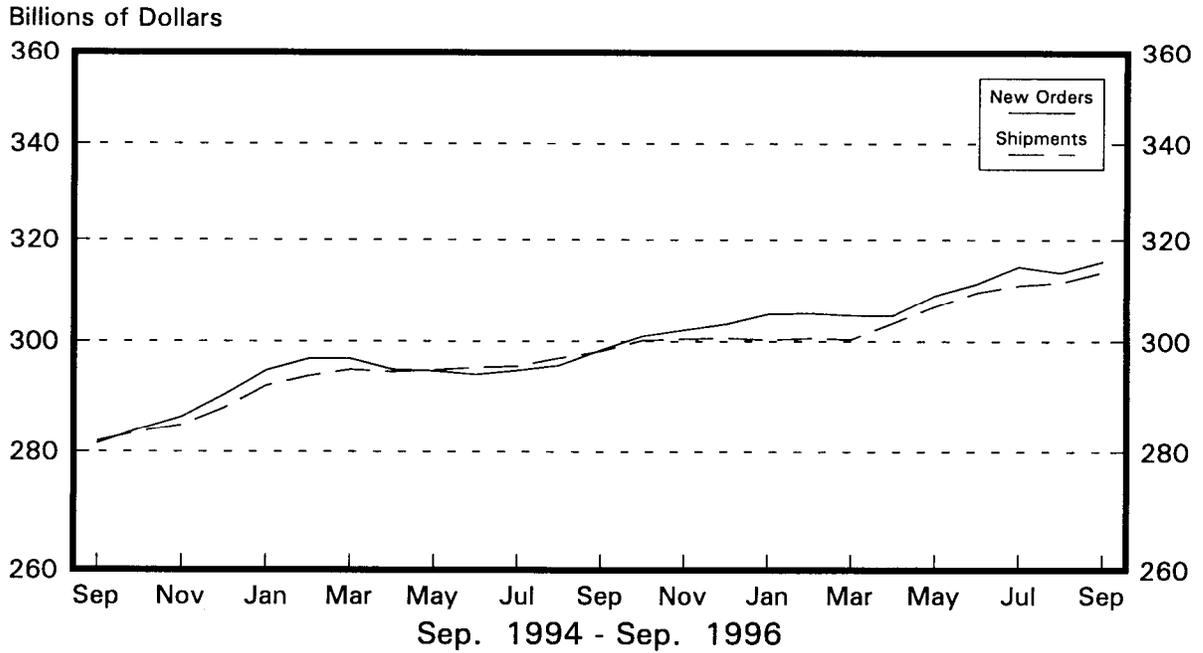
¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

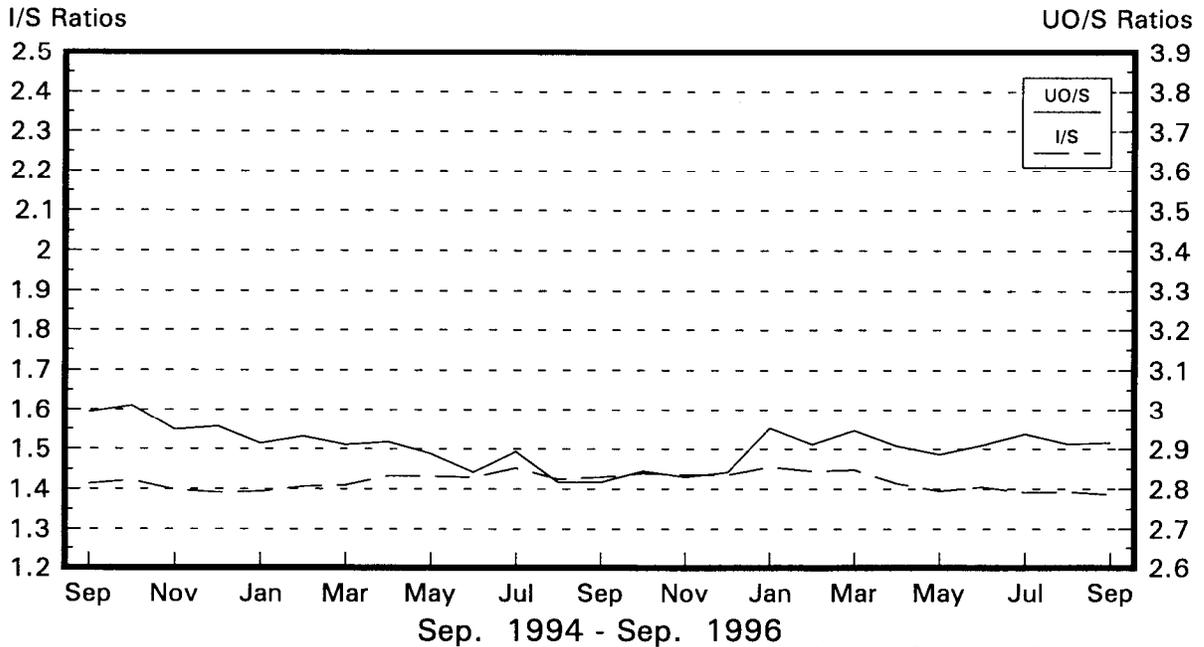
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

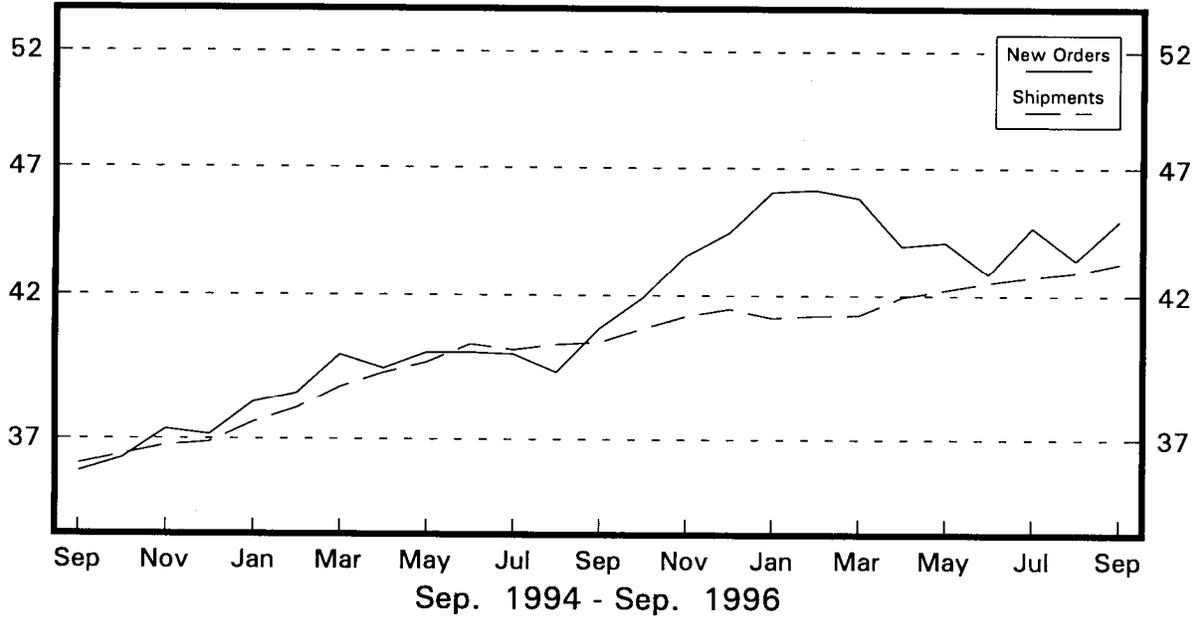


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages

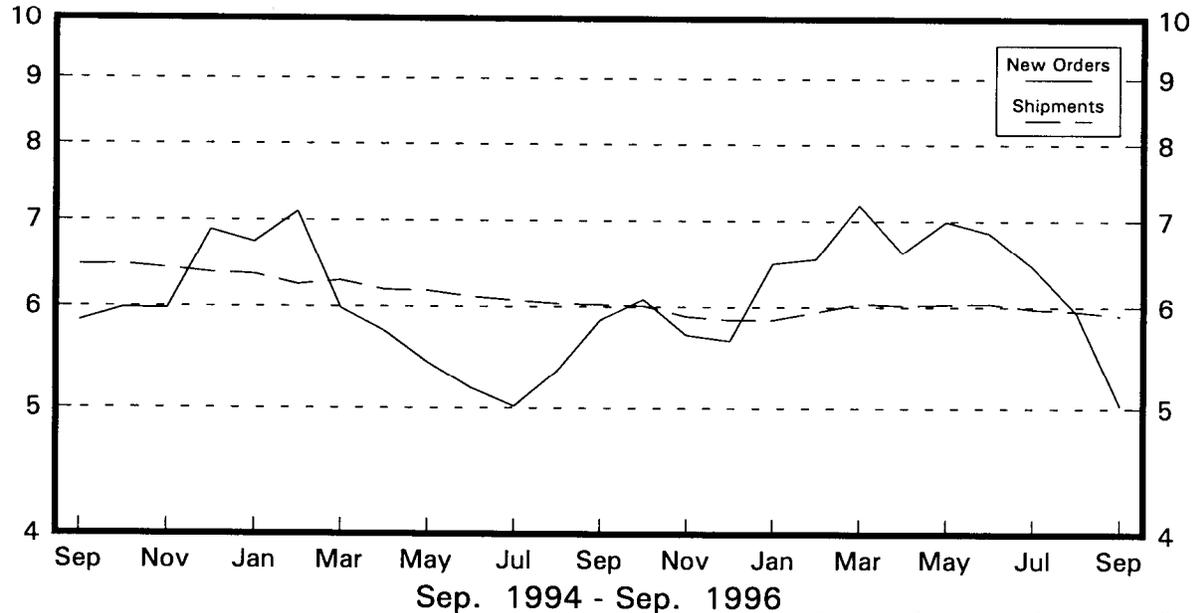
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.