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Economics and Statistics Administration
BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

October 1997

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

Summary

New orders for manufactured goods in October increased \$1.0 billion or 0.3 percent to \$337.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.4 percent September increase and is the fifth consecutive monthly increase. Excluding transportation, new orders decreased 0.6 percent, the first decrease since May. Year to date, new orders are 5.1 percent above the same period a year ago.

Shipments decreased \$0.2 billion or 0.1 percent to \$335.2 billion, following a 1.6 percent September increase. This is the second decrease in the last three months and the fourth this year. Year to date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, up five of the last six months, increased \$2.1 billion or 0.4 percent to \$530.0 billion, following a 0.2 percent September increase. The unfilled orders-to-shipments ratio was 2.81, up from 2.78 in September.

Inventories, up fifteen of the last sixteen months, increased \$2.0 billion or 0.4 percent to \$451.1 billion, following a 0.2 percent September increase. The inventories-to-shipments ratio was 1.35, up from 1.34 in September.

New Orders

New orders for manufactured durable goods in October decreased \$0.3 billion or 0.1 percent to \$186.0 billion, revised from the previously published 0.3 percent decrease. This follows a slight September increase and is the first decline since May.

Primary metals had the largest decrease, \$1.2 billion or 6.9 percent to \$15.6 billion, following a 5.0 percent September increase. This is the second decrease in the last three months and the third this year. Electronic and other electrical equipment, down four of the last five months, decreased \$1.1 billion or 3.4 percent to \$30.4 billion, led by a decrease in communication equipment. This follows a 7.8 percent September decrease. Industrial machinery and equipment, down two of the last three months, decreased \$0.6 billion or 1.7 percent to \$34.8 billion. This follows a 1.9 percent September increase. Fabricated metal products, down three of the last four months, declined \$0.2 billion or 0.9 percent to \$19.6 billion, following a 3.3 percent September increase. Transportation equipment, up two of the last three months, increased \$2.6 billion or 6.2 percent to \$44.9 billion, due to increases in aircraft and parts and motor vehicles and parts. This follows a 1.7 percent September decrease. Instruments and related products, up four of the last five months, increased \$0.6 billion or 4.4 percent to \$13.5 billion. This follows a 2.3 percent September increase.

New orders for nondurable goods, up four of the last five months, increased \$1.2 billion or 0.8 percent to \$151.3 billion, following a 0.8 percent September increase. Food and kindred products and paper and allied products had the largest increases.

Shipments

Shipments of durable goods in October, down two of the last three months, decreased \$1.3 billion or 0.7 percent to \$184.2 billion, unrevised from the previously published 0.7 percent decrease. This follows a 2.4 percent September increase and is the third decline this year.

Electronic and other electrical equipment, down for the first month since July, had the largest decrease, \$0.7 billion or 2.4 percent to \$30.3 billion. This follows a 2.6 percent September increase. Industrial machinery

and equipment, down two of the last three months, decreased \$0.1 billion or 0.2 percent to \$35.1 billion. This follows a 3.2 percent September increase. Fabricated metal products, down for the first month since May, declined 0.2 percent to \$19.4 billion. This follows a 1.8 percent September increase. Instruments and related products, down two of the last three months, declined 0.3 percent to \$13.8 billion, following a 5.5 percent September increase. Transportation equipment increased 0.1 percent to \$43.3 billion, as increases in motor vehicles and parts and shipbuilding and tanks more than offset decreases in aircraft and parts and railroad equipment. This follows a 1.2 percent September increase and is the fourth increase in the last five months.

Shipments of nondurable goods, up three of the last four months, increased \$1.1 billion or 0.8 percent to \$151.0 billion. This follows a 0.6 percent September increase. Food and kindred products had the largest increase, \$0.6 billion or 1.5 percent to \$40.3 billion. This follows a 1.3 percent September decrease and is the third increase in the last four months.

Unfilled Orders

Unfilled orders for durable goods in October increased \$1.8 billion or 0.4 percent to \$503.5 billion, revised from the previously published 0.3 percent increase. This follows a 0.1 percent September increase and is the fifth increase in the last six months.

Transportation equipment had the largest increase, \$1.6 billion or 0.7 percent to \$250.6 billion, with all industries increasing except shipbuilding and tanks. This follows a 0.4 percent September decrease and is the second increase in the last three months. Fabricated metal products, up for the twenty-second consecutive month, increased \$0.2 billion or 0.8 percent to \$26.9 billion. This follows a 1.4 percent September increase. Electronic and other electrical equipment, up five of the last six months, increased \$0.1 billion or 0.2 percent to \$55.9 billion. This follows a 0.8 percent September increase. Industrial machinery and equipment, down for the first month since June, decreased \$0.3 billion or 0.4 percent to \$73.5 billion, following a 0.3 percent September increase. Instruments and related products declined for the third consecutive month, \$0.2 billion or 0.4 percent to \$47.9 billion. This follows a 1.7 percent September decline.

Inventories

Inventories of durable goods in October, up fourteen of the last sixteen months, increased \$0.8 billion or 0.3 percent to \$282.6 billion. This follows a slight September decrease. Industrial machinery and equipment, up six of the last seven months, had the largest increase, \$0.3 billion or 0.6 percent to \$60.4 billion. This follows a 0.3 percent September decline. Transportation equipment, up for the twenty-second consecutive month, increased \$0.2 billion or 0.3 percent to \$67.8 billion. This follows a 0.1 percent September increase. Fabricated metal products, up for the thirteenth consecutive month, increased \$0.1 billion or 0.4 percent to \$29.0 billion, following a 0.8 percent September increase.

Inventories of nondurable goods, up fourteen of the last fifteen months, increased \$1.2 billion or 0.7 percent to \$168.6 billion, following a 0.5 percent September increase. Chemicals and allied products had the largest increase, \$0.6 billion or 1.4 percent to \$43.8 billion. This is the fifteenth consecutive monthly increase.

By stage of fabrication, October finished goods increased 0.9 percent in durables and 0.7 percent in nondurables. Work in process decreased 0.1 percent in durables and increased 1.4 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 0.3 percent in nondurables.

Our internet site address is: <http://www.census.gov/ftp/pub/indicator/www/m3/index.htm>

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	
	Oct. 1997 ^P	Sept. 1997 ^T	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997 ^P	Sept. 1997 ^T	Aug. 1997	Oct. 1996	Oct. 97/96	1997 ^P	1996
All manufacturing industries	335,188	335,366	330,178	-0.1	+1.6	-0.8	344,791	357,830	331,637	325,541	+5.9	3,282,868	3,102,596
Manufacturing Industries													
with unfilled orders	188,556	189,592	184,837	-0.5	+2.6	-0.9	191,697	205,542	183,677	176,175	+8.8	1,828,883	1,706,094
without defense capital goods	328,807	329,203	324,062	-0.1	+1.6	-0.8	338,510	351,266	325,755	319,954	+5.8	3,221,117	3,043,890
Durable goods industries	184,192	185,496	181,131	-0.7	+2.4	-1.5	188,499	200,278	178,524	173,673	+8.5	1,792,779	1,663,203
With unfilled orders	150,723	152,156	148,026	-0.9	+2.8	-1.0	152,277	165,611	145,242	139,235	+9.4	1,462,475	1,348,089
Stone, clay, and glass products	7,685	7,718	7,588	-0.4	+1.7	-3.4	8,388	8,348	8,132	7,901	+6.2	77,016	70,305
Primary metals	15,562	15,567	15,392	0.0	+1.1	-1.1	15,899	15,996	15,320	14,900	+6.7	155,042	145,525
Blast furnaces, steel mills	6,201	6,197	6,161	+0.1	+0.6	-1.6	6,381	6,336	6,136	6,252	+2.1	62,813	60,822
Iron and steel foundries	1,570	1,511	1,472	+3.9	+2.6	-5.6	1,688	1,593	1,530	1,482	+13.9	15,023	14,090
Nonferrous and other primary metals	7,791	7,859	7,759	-0.9	+1.3	+0.2	7,830	8,067	7,654	7,166	+9.3	77,206	70,613
Fabricated metal products	19,407	19,447	19,094	-0.2	+1.8	+0.3	20,548	20,555	19,591	19,262	+6.7	190,651	180,435
Industrial machinery and equipment	35,062	35,126	34,042	-0.2	+3.2	-2.6	33,957	38,923	31,747	30,728	+10.5	335,786	312,560
Engines and turbines	2,009	1,910	1,936	+5.2	-1.3	-2.6	1,861	2,204	1,690	1,630	+14.2	18,231	17,771
Farm and garden machinery	2,068	2,172	2,086	-4.8	+4.1	-7.7	1,952	2,035	1,715	1,824	+7.0	21,134	19,382
Construction, mining and material handling equipment	3,951	3,929	3,866	+0.6	+1.6	+0.2	3,943	3,935	3,696	3,547	+11.2	38,115	34,629
Metalworking machinery	3,538	3,667	3,530	-3.5	+3.9	-1.6	3,772	4,133	3,328	3,389	+11.3	33,931	29,885
Computer and office equipment	9,305	9,475	9,323	-1.8	+1.6	-1.6	8,123	12,217	8,377	7,364	+10.3	88,333	81,177
Electronic and other electrical equipment	30,272	31,007	30,214	-2.4	+2.6	+2.9	30,376	34,815	29,377	27,781	+9.3	288,945	263,006
Electrical transmission and distribution equipment and industrial apparatus	3,439	3,511	3,260	-2.1	+7.7	-2.7	3,357	3,971	3,198	3,128	+7.3	33,153	31,492
Household appliances	2,145	2,136	1,993	+0.4	+7.2	+0.3	2,177	2,311	2,058	1,978	+10.1	20,508	19,635
Electric lighting and wiring equipment	2,197	2,230	2,133	-1.5	+4.5	-0.9	2,171	2,450	2,110	1,991	+9.0	21,079	19,736
Household audio and video equipment	1,274	1,300	1,284	-2.0	+1.2	-0.2	1,733	1,642	1,367	1,724	+0.5	12,771	12,122
Communications equipment	6,737	6,736	6,990	0.0	-3.6	+5.1	6,370	7,562	6,386	5,537	+15.0	61,207	53,100
Electronic components	12,274	12,764	12,404	-3.8	+2.9	+4.0	12,102	14,269	12,165	11,041	+9.6	118,807	105,690
Transportation equipment	43,311	43,266	42,773	+0.1	+1.2	-2.7	45,385	45,197	42,082	41,227	+10.1	422,287	392,215
Motor vehicles and parts	30,840	29,875	29,954	+3.2	-0.3	-1.2	33,571	30,869	29,900	30,434	+10.3	295,760	282,211
Aircraft, missiles, space vehicles, and parts	9,833	10,490	10,152	-6.3	+3.3	-7.5	9,156	11,223	9,570	8,130	+12.6	99,421	82,271
Shipbuilding and tanks	918	851	862	+7.9	-1.3	-6.1	835	877	838	752	+11.0	8,749	8,901
Instruments and related products	13,759	13,795	13,077	-0.3	+5.5	-1.9	13,433	14,984	12,712	11,976	+12.2	129,993	120,253
Search and navigation equipment	2,961	2,835	2,633	+4.4	+7.7	-4.3	2,831	3,106	2,522	2,283	+24.0	26,481	23,889
Measuring and controlling devices	4,074	4,109	3,996	-0.9	+2.8	-1.2	3,960	4,454	3,960	3,588	+10.4	38,761	35,999
Medical instruments and supplies	4,348	4,399	4,085	-1.2	+7.7	-1.6	4,174	4,787	3,993	3,791	+10.1	41,168	38,420
Photographic goods	1,910	1,987	1,902	-3.9	+4.5	-0.4	2,011	2,155	1,776	1,919	+4.8	19,066	18,261
All other durable goods	19,134	19,570	18,951	-2.2	+3.3	-4.1	20,513	21,460	19,563	19,898	+3.1	193,059	178,904
Nondurable goods industries	150,996	149,870	149,047	+0.8	+0.6	0.0	156,292	157,552	153,113	151,868	+2.9	1,490,089	1,439,393
With unfilled orders	37,833	37,436	36,811	+1.1	+1.7	-0.6	39,420	39,931	38,435	36,940	+6.7	366,408	358,005
Food and kindred products	40,341	39,756	40,298	+1.5	-1.3	+0.1	42,323	41,897	41,127	41,927	+0.9	400,384	391,369
Meat products	8,649	8,620	8,999	+0.3	-4.2	-0.1	8,986	8,971	9,378	9,215	-2.5	88,566	87,583
Dairy products	5,043	4,978	5,031	+1.3	-1.1	+0.6	5,028	5,119	5,142	5,069	-0.8	49,936	48,950
Beverages	6,190	6,019	5,892	+2.8	+2.2	+0.2	6,128	6,179	6,418	5,617	+9.1	59,553	57,651
All other foods, except fats and oils	18,318	18,101	18,387	+1.2	-1.6	-0.3	20,040	19,590	18,200	19,923	+0.6	182,108	177,808
Tobacco products	3,380	3,375	3,215	+0.1	+5.0	+1.1	3,454	3,336	3,324	3,013	+14.6	31,952	28,536
Textile mill products	6,894	6,897	6,824	0.0	+1.1	-1.8	7,188	7,662	7,190	6,804	+5.6	68,841	65,701
Broadwoven fabrics and other textiles	4,296	4,200	4,126	+2.3	+1.8	-3.4	4,348	4,636	4,301	4,057	+7.2	42,215	40,828
Paper and allied products	14,047	13,824	13,528	+1.6	+2.2	+1.2	14,355	14,309	13,797	13,523	+6.2	135,322	136,005
Pulp, paper, and paperboard mill products	5,605	5,499	5,399	+1.9	+1.9	+3.8	5,672	5,662	5,502	5,364	+5.7	53,453	55,056
Paperboard containers and boxes	3,407	3,338	3,224	+2.1	+3.5	-0.3	3,547	3,423	3,305	3,377	+5.0	32,965	33,346
Miscellaneous converted paper products	5,035	4,987	4,905	+1.0	+1.7	-0.5	5,136	5,224	4,990	4,782	+7.4	48,904	47,603
Chemicals and allied products	33,016	32,872	32,449	+0.4	+1.3	-0.9	32,570	33,884	32,025	31,744	+2.6	328,633	311,320
Industrial chemicals	16,083	16,152	15,943	-0.4	+1.3	+0.1	15,810	16,412	16,100	15,153	+4.3	161,204	152,906
Drugs, soaps, and toiletries	12,753	12,673	12,556	+0.6	+0.9	-2.2	13,187	13,965	12,296	13,277	-0.7	125,828	118,680
Petroleum and coal products	15,625	15,501	15,814	+0.8	-2.0	+4.0	16,026	15,919	16,630	16,627	-3.6	154,427	148,054
Rubber and plastics products	12,727	12,620	12,340	+0.8	+2.3	-1.3	13,187	13,142	12,572	12,395	+6.4	126,025	121,644
All other nondurable goods	24,966	25,025	24,579	-0.2	+1.8	-1.1	27,189	27,403	26,448	25,835	+5.2	244,505	236,764

^P Preliminary. ^T 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 Oct. 97/96	Year to date	
	Oct. 1997 ^p	Sept. 1997 ^r	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997 ^p	Sept. 1997 ^r	Aug. 1997	Oct. 1996		1997 ^p	1996
All manufacturing industries	337,243	336,264	335,040	+0.3	+0.4	+1.2	348,594	353,389	335,065	333,193	+4.6	3,297,158	3,136,010
Manufacturing industries with unfilled orders	190,611	190,490	189,699	+0.1	+0.4	+2.7	195,500	201,101	187,105	183,827	+6.3	1,843,173	1,739,508
without defense capital goods	332,312	330,815	329,733	+0.5	+0.3	+1.4	344,111	347,984	331,001	328,331	+4.8	3,244,907	3,076,674
Durable goods industries	185,950	186,210	186,195	-0.1	0.0	+2.5	192,879	196,409	182,669	181,955	+6.0	1,806,046	1,695,632
With unfilled orders	152,481	152,870	153,090	-0.3	-0.1	+3.9	156,657	161,742	149,387	147,517	+6.2	1,475,742	1,380,518
Stone, clay, and glass products	7,764	7,720	7,389	+0.6	+4.5	-2.3	8,210	8,275	7,955	7,498	+9.5	76,698	69,878
Primary metals	15,558	16,709	15,919	-6.9	+5.0	-2.1	15,546	16,536	15,461	14,288	+8.8	158,713	146,629
Blast furnaces, steel mills	6,491	6,489	6,224	0.0	+4.3	-4.4	6,482	6,144	6,109	5,928	+9.3	64,118	61,110
Iron and steel foundries	1,560	1,643	1,528	-5.1	+7.5	-8.3	1,653	1,664	1,489	1,337	+23.6	15,730	14,613
Nonferrous and other primary metals	7,507	8,577	8,167	-12.5	+5.0	+1.1	7,411	8,728	7,863	7,023	+5.5	78,865	70,906
Fabricated metal products	19,632	19,817	19,186	-0.9	+3.3	-0.4	20,475	20,741	19,590	19,262	+6.3	193,198	182,236
Industrial machinery and equipment	34,769	35,361	34,704	-1.7	+1.9	-1.1	34,668	38,933	32,296	31,728	+9.3	337,138	314,673
Engines and turbines	2,125	1,874	2,097	+13.4	-10.6	+12.1	2,259	2,520	1,973	2,071	+9.1	17,818	17,899
Construction, mining and material handling equipment	4,247	4,111	4,050	+3.3	+1.5	+1.1	4,413	4,077	3,740	3,278	+34.6	39,242	34,794
Metalworking machinery	3,481	3,267	3,713	+6.6	-12.0	+8.4	3,715	3,733	3,511	3,367	+10.3	33,377	30,568
Computer and office equipment	8,889	9,469	9,154	-6.1	+3.4	-2.2	7,937	11,990	8,182	7,966	-0.4	86,867	81,895
Electronic and other electrical equipment	30,389	31,461	34,123	-3.4	-7.8	+29.4	33,374	32,854	33,891	33,545	-0.5	298,338	267,691
Electrical transmission and distribution equipment and industrial apparatus	3,104	3,452	3,197	-10.1	+8.0	-2.3	3,045	3,820	3,115	3,232	-5.8	32,941	31,743
Electric lighting and wiring equipment	2,367	2,114	2,242	+12.0	-5.7	-3.7	2,341	2,334	2,219	2,057	+13.8	21,454	20,195
Communications equipment	6,497	7,170	6,867	-9.4	+4.4	+8.6	6,173	8,041	6,218	6,807	-9.3	63,738	54,011
Electronic components	12,720	12,774	16,235	-0.4	-21.3	+79.0	15,300	12,136	16,460	15,339	-0.3	123,964	108,296
Transportation equipment	44,937	42,324	43,038	+6.2	-1.7	+3.1	46,567	43,599	41,612	43,457	+7.2	414,860	415,748
Aircraft, missiles, space vehicles, and parts	11,010	8,804	10,972	+25.1	-19.8	+23.5	10,074	9,028	9,586	11,330	-11.1	92,717	106,796
Shipbuilding and tanks	451	990	500	-54.4	+98.0	-8.9	403	1,026	391	363	+11.0	6,736	8,268
Instruments and related products	13,545	12,980	12,693	+4.4	+2.3	-17.5	13,298	14,023	12,187	12,052	+10.3	131,750	118,516
Search and navigation equipment	2,646	2,375	2,299	+11.4	+3.3	-48.8	2,384	2,665	2,028	2,210	+7.9	26,704	21,828
Measuring and controlling devices	4,362	3,783	3,957	+15.3	-4.4	-2.6	4,248	4,128	3,921	3,668	+15.8	38,952	35,581
Medical instruments and supplies	4,410	4,389	4,230	+0.5	+3.8	+3.2	4,532	4,635	4,223	3,822	+18.6	41,912	38,948
All other durable goods	19,356	19,838	19,143	-2.4	+3.6	-4.2	20,741	21,448	19,677	20,125	+3.1	195,351	180,261
Non-durable goods industries	151,293	150,054	148,845	+0.8	+0.8	-0.4	155,715	156,980	152,396	151,238	+3.0	1,491,112	1,440,378
With unfilled orders	38,130	37,620	36,609	+1.4	+2.8	-2.2	38,843	39,359	37,718	36,310	+7.0	367,431	358,990

^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' UNFULFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 97/96
	Oct. 1997 ^P	Sept. 1997 ^r	Aug. 1997	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1997 ^P	Sept. 1997 ^r	Aug. 1997	Oct. 1996	
All manufacturing industries	529,986	527,931	527,033	+0.4	+0.2	+0.9	526,509	522,706	527,147	510,448	+3.1
Manufacturing industries without defense capital goods	425,302	421,797	420,185	+0.8	+0.4	+1.4	424,331	418,730	422,012	405,516	+4.6
Durable goods industries	503,499	501,741	501,027	+0.4	+0.1	+1.0	500,841	496,461	500,330	486,442	+3.0
Stone, clay, and glass products	6,477	6,398	6,396	+1.2	0.0	-3.0	6,259	6,437	6,510	6,382	-1.9
Primary metals	33,418	33,422	32,280	0.0	+3.5	+1.7	32,109	32,462	31,922	28,296	+13.5
Blast furnaces, steel mills	13,487	13,197	12,905	+2.2	+2.3	+0.5	12,840	12,739	12,931	11,796	+8.9
Iron and steel foundries	5,143	5,153	5,021	-0.2	+2.6	+1.1	4,999	5,034	4,963	4,058	+23.2
Nonferrous and other primary metals	14,788	15,072	14,354	-1.9	+5.0	+2.9	14,270	14,689	14,028	12,442	+14.7
Fabricated metal products	26,897	26,672	26,302	+0.8	+1.4	+0.4	26,777	26,850	26,664	23,990	+11.6
Industrial machinery and equipment	73,546	73,839	73,604	-0.4	+0.3	+0.9	73,516	72,805	72,795	72,826	+0.9
Engines and turbines	11,829	11,713	11,749	+1.0	-0.3	+1.4	12,288	11,890	11,574	12,422	-1.1
Construction, mining and material handling equipment	9,955	9,659	9,477	+3.1	+1.9	+2.0	9,756	9,286	9,144	8,533	+14.3
Metalworking machinery	7,656	7,713	8,113	-0.7	-4.9	+2.3	7,656	7,713	8,113	8,849	-13.5
Computer and office equipment	8,176	8,592	8,598	-4.8	-0.1	-1.9	8,315	8,501	8,728	10,164	-18.2
Electronic and other electrical equipment	55,902	55,785	55,331	+0.2	+0.8	+7.6	57,255	54,257	56,218	54,158	+5.7
Electrical transmission and distribution equipment and industrial apparatus	6,143	6,478	6,537	-5.2	-0.9	-1.0	6,090	6,402	6,553	6,336	-3.9
Electric lighting and wiring equipment	4,789	4,619	4,735	+3.7	-2.4	+2.4	4,789	4,619	4,735	4,341	+10.3
Communications equipment	14,877	15,117	14,683	-1.6	+3.0	-0.8	14,931	15,128	14,649	14,413	+3.6
Electronic components	23,597	23,151	23,141	+1.9	0.0	+19.8	24,918	21,720	23,853	23,938	+4.1
Transportation equipment	250,597	248,971	249,913	+0.7	-0.4	+0.1	248,308	247,126	248,724	248,068	+0.1
Aircraft, missiles, space vehicles, and parts	218,310	217,133	218,819	+0.5	-0.8	+0.4	216,205	215,287	217,482	217,090	-0.4
Shipbuilding and tanks	17,384	17,851	17,712	-2.6	+0.8	-2.0	17,440	17,872	17,723	17,802	-2.0
Instruments and related products	47,877	48,091	48,906	-0.4	-1.7	-0.8	47,569	47,704	48,665	44,819	+6.1
Search and navigation equipment	28,295	28,610	29,070	-1.1	-1.6	-1.1	27,840	28,287	28,728	26,716	+4.2
Measuring and controlling devices	9,938	9,650	9,976	+3.0	-3.3	-0.4	9,938	9,650	9,976	9,306	+6.8
Medical instruments and supplies	7,994	7,932	7,942	+0.8	-0.1	+1.9	8,170	7,812	7,964	7,846	+4.1
All other durable goods	8,785	8,563	8,295	+2.6	+3.2	+2.4	9,048	8,820	8,832	7,903	+14.5
Nondurable goods industries	26,487	26,190	26,006	+1.1	+0.7	-0.8	25,668	26,245	26,817	24,006	+6.9

^P Preliminary. ^r 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 Oct. 97/96
	Oct. 1997 ^P	Sept. 1997 ^r	Aug. 1997	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1997 ^P	Sept. 1997 ^r	Aug. 1997	Oct. 1996	
All manufacturing industries	451,143	449,152	448,447	+0.4	+0.2	+0.4	452,199	448,616	452,128	434,837	+4.0
Manufacturing industries with unfilled orders	298,681	297,714	298,344	+0.3	-0.2	+0.4	298,791	297,372	302,607	287,970	+3.8
without defense capital goods	434,931	432,854	432,336	+0.5	+0.1	+0.4	435,778	432,003	435,685	417,875	+4.3
Durable goods industries	282,587	281,762	281,878	+0.3	0.0	+0.4	282,687	281,112	285,033	271,704	+4.0
With unfilled orders	258,990	258,098	258,940	+0.3	-0.3	+0.4	259,286	257,720	262,433	249,142	+4.1
Stone, clay, and glass products	8,678	8,744	8,707	-0.8	+0.4	+0.1	8,360	8,565	8,674	8,198	+2.0
Primary metals	24,896	24,811	24,895	+0.3	-0.3	+0.4	24,693	24,726	24,971	24,168	+2.2
Blast furnaces, steel mills	12,067	12,060	12,091	+0.1	-0.3	+0.2	12,055	12,060	12,069	12,040	+0.1
Iron and steel foundries	1,637	1,653	1,642	-1.0	+0.7	-0.5	1,603	1,622	1,612	1,615	-0.7
Nonferrous and other primary metals	11,192	11,098	11,162	+0.8	-0.6	+0.7	11,035	11,044	11,290	10,513	+5.0
Fabricated metal products	28,974	28,868	28,639	+0.4	+0.8	+0.3	28,556	28,617	28,668	26,950	+6.0
Industrial machinery and equipment	60,421	60,084	60,241	+0.6	-0.3	+0.1	60,476	59,594	61,170	59,069	+2.4
Engines and turbines	3,788	3,742	3,657	+1.2	+2.3	0.0	3,974	3,832	3,853	3,858	+3.0
Farm and garden machinery	3,314	3,236	3,261	+2.4	-0.8	-1.4	3,125	3,015	3,063	2,820	+10.8
Construction, mining and material handling equipment	7,964	7,940	7,901	+0.3	+0.5	+0.4	7,932	7,864	7,840	7,529	+5.4
Metalworking machinery	7,273	7,187	7,259	+1.2	-1.0	-0.7	7,295	7,246	7,550	7,272	+0.3
Computer and office equipment	11,745	11,915	12,083	-1.4	-1.4	-0.1	11,898	11,675	12,742	12,416	-4.2
Electronic and other electrical equipment	40,021	39,964	40,176	+0.1	-0.5	-0.3	40,245	39,921	40,946	39,607	+1.6
Electrical transmission and distribution equipment and industrial apparatus	5,252	5,246	5,255	+0.1	-0.2	-0.6	5,305	5,238	5,317	5,159	+2.8
Household appliances	2,703	2,748	2,784	-1.6	-1.3	-2.7	2,611	2,599	2,716	2,745	-4.9
Electric lighting and wiring equipment	3,401	3,392	3,382	+0.3	+0.3	+0.2	3,415	3,339	3,448	3,257	+4.9
Household audio and video equipment	1,587	1,546	1,582	+2.7	-2.3	-4.2	1,555	1,586	1,710	1,595	-2.5
Communications equipment	10,840	10,839	10,915	0.0	-0.7	-0.7	10,950	10,897	11,147	10,370	+5.6
Electronic components	12,938	12,847	12,811	+0.7	+0.3	+1.8	13,132	12,901	13,039	13,028	+0.8
Transportation equipment	67,751	67,561	67,486	+0.3	+0.1	+0.9	68,241	67,864	68,371	63,028	+8.3
Motor vehicles and parts	16,707	17,101	16,713	-2.3	+2.3	-1.4	16,780	17,230	16,990	16,896	-0.7
Aircraft, missiles, space vehicles, and parts	46,235	45,753	46,038	+1.1	-0.6	+1.9	46,673	45,939	46,604	41,340	+12.9
Shipbuilding and tanks	1,626	1,625	1,587	+0.1	+2.4	0.0	1,585	1,600	1,573	1,675	-5.4
Instruments and related products	24,852	24,898	25,019	-0.2	-0.5	+0.1	25,064	25,018	25,510	24,882	+0.7
Search and navigation equipment	6,017	6,148	6,306	-2.1	-2.5	-0.2	5,985	6,183	6,463	6,187	-3.3
Measuring and controlling devices	7,802	7,793	7,829	+0.1	-0.5	-0.8	7,802	7,786	7,960	7,694	+1.4
Medical instruments and supplies	8,023	7,970	7,930	+0.7	+0.5	+1.0	8,151	7,938	8,051	7,709	+5.7
Photographic goods	2,335	2,321	2,294	+0.6	+1.2	+0.4	2,449	2,452	2,373	2,670	-8.3
All other durable goods	26,994	26,832	26,715	+0.6	+0.4	+1.3	27,052	26,807	26,723	25,802	+4.8
Nondurable goods industries	168,556	167,390	166,569	+0.7	+0.5	+0.5	169,512	167,504	167,095	163,133	+3.9
With unfilled orders	39,691	39,616	39,404	+0.2	+0.5	+0.5	39,505	39,652	40,174	38,828	+1.7
Food and kindred products	35,541	35,308	35,229	+0.7	+0.2	+0.4	37,679	36,074	35,030	36,670	+2.8
Meat products	3,826	3,824	3,881	+0.1	-1.5	+0.3	3,845	3,810	3,810	3,784	+1.6
Dairy products	3,167	3,164	3,141	+0.1	+0.7	+0.4	3,224	3,194	3,230	3,306	-2.5
Beverages	7,131	7,048	6,866	+1.2	+2.7	+1.9	7,395	7,209	6,733	6,849	+8.0
All other foods, except fats and oils	19,426	19,372	19,521	+0.3	-0.8	-0.2	21,136	20,318	19,694	20,748	+1.9
Tobacco products	6,140	6,066	6,140	+1.2	-1.2	-1.3	6,257	5,912	5,834	6,187	+1.1
Textile mill products	10,296	10,309	10,294	-0.1	+0.1	+0.5	10,091	10,110	10,386	9,786	+3.1
Broadwoven fabrics and other textiles	6,410	6,412	6,404	0.0	+0.1	+0.7	6,295	6,265	6,447	6,157	+2.2
Paper and allied products	16,052	16,098	15,941	-0.3	+1.0	+0.5	15,874	15,985	15,899	16,123	-1.5
Pulp, paper, and paperboard mill products	6,560	6,592	6,560	-0.5	+0.5	+0.2	6,488	6,560	6,552	6,726	-3.5
Paperboard containers and boxes	3,902	3,854	3,832	+1.2	+0.6	0.0	3,824	3,847	3,820	3,834	-0.3
Miscellaneous converted paper products	5,590	5,652	5,549	-1.1	+1.9	+1.3	5,562	5,578	5,527	5,563	0.0
Chemicals and allied products	43,820	43,206	42,633	+1.4	+1.3	+0.2	43,401	42,905	42,588	40,408	+7.4
Industrial chemicals	19,802	19,815	19,807	-0.1	0.0	+1.0	19,604	19,814	19,744	19,019	+3.1
Drugs, soaps, and toiletries	18,644	18,042	17,539	+3.3	+2.9	-0.9	18,644	18,021	17,863	16,520	+12.9
Petroleum and coal products	12,457	12,450	12,431	+0.1	+0.2	+2.1	12,535	12,583	12,594	12,347	+1.5
Rubber and plastics products	16,346	16,318	16,361	+0.2	-0.3	+0.4	15,984	15,979	16,159	15,226	+5.0
All other nondurable goods	27,904	27,635	27,540	+1.0	+0.3	+0.7	27,691	27,956	28,605	26,386	+4.9

^P Preliminary. ^r Revised.

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

**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	
	Oct. 1997 ^p	Sept. 1997 ^p	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997 ^p	Sept. 1997 ^p	Aug. 1997	Oct. 1996		Oct. 97/96	1997 ^p
SHIPMENTS													
All manufacturing industries	335,188	335,366	330,178	-0.1	+1.6	-0.8	344,791	357,830	331,637	325,541	+5.9	3,282,868	3,102,596
Market categories :													
Automotive equipment	15,096	14,736	14,733	+2.4	0.0	-1.4	16,575	15,419	14,637	15,342	+8.0	145,379	140,219
Home goods and apparel	19,250	19,527	18,859	-1.4	+3.5	-1.3	21,761	22,366	20,019	20,969	+3.8	191,425	182,723
Consumer staples	69,876	69,147	69,544	+1.1	-0.6	+0.3	72,520	73,102	71,183	71,570	+1.3	688,688	663,252
Machinery and equipment	60,793	61,775	60,118	-1.6	+2.8	-2.6	59,940	67,527	57,137	54,541	+9.9	586,155	536,096
Business supplies	26,059	26,033	25,636	+0.1	+1.5	-0.2	26,794	27,126	25,960	25,367	+5.6	254,829	243,748
Construction materials and supplies	20,899	21,159	20,814	-1.2	+1.7	-2.7	22,233	22,791	22,018	21,482	+3.5	210,110	197,278
Defense products	6,786	6,550	6,488	+3.6	+1.0	-3.7	6,679	6,974	6,301	5,886	+13.5	65,684	62,391
Other materials, supplies and intermediate products	116,429	116,439	113,986	0.0	+2.2	0.0	118,289	122,525	114,382	110,384	+7.2	1,140,598	1,076,889
Durable goods industries :													
Nondefense capital goods ³	47,373	48,482	46,897	-2.3	+3.4	-2.4	44,983	54,362	43,873	40,282	+11.7	453,259	409,200
Excluding aircraft and parts	40,860	41,251	39,982	-0.9	+3.2	-1.2	39,166	46,627	37,470	35,142	+11.5	387,289	358,472
Defense capital goods ⁴	6,381	6,163	6,116	+3.5	+0.8	-3.6	6,281	6,564	5,882	5,587	+12.4	61,751	58,706
Durables excluding capital goods	130,438	130,851	128,118	-0.3	+2.1	-1.0	137,235	139,352	128,769	127,804	+7.4	1,277,769	1,195,297
Miscellaneous series :													
Producers' durable equipment	118,787	119,360	116,501	-0.5	+2.5	-1.4	121,095	129,174	113,444	110,690	+9.4	1,147,130	1,066,784
Household durable goods	9,878	10,093	9,496	-2.1	+6.3	-1.7	10,972	11,726	9,637	10,339	+6.1	96,616	90,108
Information technology industries	22,716	23,002	22,764	-1.2	+1.0	0.0	21,118	27,211	21,083	18,900	+11.7	213,792	194,045
Health care equipment and products	11,286	11,292	10,914	-0.1	+3.5	-1.9	11,350	12,372	10,689	11,001	+3.2	109,614	102,963
NEW ORDERS													
All manufacturing industries	337,243	336,264	335,040	+0.3	+0.4	+1.2	348,594	353,389	335,065	333,193	+4.6	3,297,158	3,136,010
Market categories :													
Automotive equipment	15,132	14,733	14,746	+2.7	-0.1	-1.3	16,580	15,346	14,711	15,271	+8.6	145,602	140,189
Home goods and apparel	19,412	19,934	18,768	-2.6	+6.2	-4.1	21,529	22,452	19,663	20,834	+3.3	193,260	184,333
Consumer staples	69,884	69,097	69,455	+1.1	-0.5	0.0	72,357	72,889	71,106	71,377	+1.4	688,825	663,364
Machinery and equipment	63,667	62,064	61,456	+2.6	+1.0	-0.2	63,699	66,923	58,264	58,212	+9.4	594,500	558,582
Business supplies	26,192	25,921	25,541	+1.0	+1.5	-0.8	26,745	26,786	25,886	25,143	+6.4	255,128	243,882
Construction materials and supplies	21,089	21,171	20,873	-0.4	+1.4	-3.2	22,137	22,726	21,970	21,159	+4.6	211,168	197,674
Defense products	5,458	5,814	5,805	-6.1	+0.2	-9.6	5,040	5,733	4,604	5,320	-5.3	56,320	62,794
Other materials, supplies and intermediate products	116,409	117,530	118,396	-1.0	-0.7	+5.9	120,507	120,534	118,861	115,877	+4.0	1,152,355	1,085,192
Durable goods industries :													
Nondefense capital goods ³	49,308	48,625	47,987	+1.4	+1.3	+1.2	47,828	54,097	44,750	45,562	+5.0	458,332	433,500
Excluding aircraft and parts	40,945	42,544	40,110	-3.8	+6.1	-4.8	40,161	47,512	37,385	37,027	+8.5	394,045	361,292
Defense capital goods ⁴	4,931	5,449	5,307	-9.5	+2.7	-11.2	4,483	5,405	4,064	4,862	-7.8	52,251	59,336
Durables excluding capital goods	131,711	132,136	132,901	-0.3	-0.6	+3.6	140,568	136,907	133,855	131,531	+6.9	1,295,463	1,202,796
Miscellaneous series :													
Producers' durable equipment	123,072	119,873	117,747	+2.7	+1.8	-0.7	126,111	128,330	114,751	113,005	+11.6	1,160,490	1,088,313
Household durable goods	9,890	10,336	9,348	-4.3	+10.6	-7.5	10,847	11,820	9,364	10,496	+3.3	98,390	91,074
Information technology industries	22,305	22,902	22,279	-2.6	+2.8	-7.8	20,939	26,896	20,572	20,955	-0.1	217,164	194,543
Health care equipment and products	11,347	11,284	11,062	+0.6	+2.0	-0.2	11,708	12,221	10,921	11,033	+6.1	110,374	103,497

^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 error and revision.

**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 Oct. 97/96
	Oct. 1997 ^p	Sept. 1997 ^r	Aug. 1997	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1997 ^p	Sept. 1997 ^r	Aug. 1997	Oct. 1996	
UNFILLED ORDERS											
All manufacturing industries	529,986	527,931	527,033	+0.4	+0.2	+0.9	526,509	522,706	527,147	510,448	+3.1
Market categories :											
Automotive equipment	2,464	2,428	2,432	+1.5	-0.2	+0.6	2,426	2,421	2,494	2,206	+10.0
Home goods and apparel	9,455	9,293	8,886	+1.7	+4.6	-1.0	9,340	9,572	9,486	9,111	+2.5
Consumer staples	2,326	2,318	2,368	+0.3	-2.1	-3.7	2,298	2,460	2,673	1,992	+15.4
Machinery and equipment	237,070	234,197	233,907	+1.2	+0.1	+0.6	236,916	233,157	233,761	230,817	+2.6
Business supplies	7,038	6,905	7,017	+1.9	-1.6	-1.3	6,907	6,957	7,297	6,474	+6.7
Construction materials and supplies	17,421	17,230	17,219	+1.1	+0.1	+0.3	17,185	17,282	17,347	15,840	+8.5
Defense products	100,247	101,575	102,311	-1.3	-0.7	-0.7	97,743	99,381	100,622	100,093	-2.3
Other materials, supplies and and intermediate products	153,965	153,985	152,893	0.0	+0.7	+3.0	153,694	151,476	153,467	143,915	+6.8
Durable goods industries :											
Nondefense capital goods ³	254,706	252,771	252,628	+0.8	+0.1	+0.4	254,596	251,751	252,016	250,653	+1.6
Excluding aircraft and parts	100,641	100,556	99,263	+0.1	+1.3	+0.1	100,531	99,536	98,651	96,469	+4.2
Defense capital goods ⁴	104,684	106,134	106,848	-1.4	-0.7	-0.8	102,178	103,976	105,135	104,932	-2.6
Durables excluding capital goods	144,109	142,836	141,551	+0.9	+0.9	+3.5	144,067	140,734	143,179	130,857	+10.1
Miscellaneous series :											
Producers' durable equipment	276,376	272,091	271,578	+1.6	+0.2	+0.5	276,370	271,354	272,198	265,858	+4.0
Household durable goods	6,467	6,455	6,212	+0.2	+3.9	-2.3	6,574	6,699	6,605	5,926	+10.9
Information technology industries	38,311	38,722	38,822	-1.1	-0.3	-1.2	38,462	38,641	38,956	37,006	+3.9
Health care equipment and products	8,038	7,977	7,985	+0.8	-0.1	+1.9	8,216	7,859	8,010	7,877	+4.3
TOTAL INVENTORIES											
All manufacturing industries	451,143	449,152	448,447	+0.4	+0.2	+0.4	452,199	448,616	452,128	434,837	+4.0
Market categories :											
Automotive equipment	8,294	8,496	8,231	-2.4	+3.2	-1.6	8,295	8,534	8,376	8,312	-0.2
Home goods and apparel	32,917	32,763	32,808	+0.5	-0.1	+0.2	32,273	32,630	33,504	30,914	+4.4
Consumer staples	70,427	69,507	68,976	+1.3	+0.8	0.0	72,468	70,262	69,116	68,960	+5.1
Machinery and equipment	114,044	113,192	113,816	+0.8	-0.5	+0.5	114,454	112,739	115,497	107,242	+6.7
Business supplies	27,078	26,993	26,751	+0.3	+0.9	+1.6	27,180	27,142	27,162	26,174	+3.8
Construction materials and supplies	27,652	27,636	27,575	+0.1	+0.2	+0.4	27,310	27,388	27,532	26,250	+4.0
Defense products	15,948	16,029	15,800	-0.5	+1.4	+0.3	16,114	16,287	16,063	16,538	-2.6
Other materials, supplies and and intermediate products	154,783	154,536	154,490	+0.2	0.0	+0.5	154,105	153,634	154,878	150,447	+2.4
Durable goods industries :											
Nondefense capital goods ³	108,031	107,231	108,103	+0.7	-0.8	+0.7	108,581	106,839	109,883	101,412	+7.1
Excluding aircraft and parts	72,092	71,769	72,127	+0.5	-0.5	+0.1	72,427	71,486	73,555	70,795	+2.3
Defense capital goods ⁴	16,212	16,298	16,111	-0.5	+1.2	+0.4	16,421	16,613	16,443	16,962	-3.2
Durables excluding capital goods	158,344	158,233	157,664	+0.1	+0.4	+0.2	157,685	157,660	158,707	153,330	+2.8
Miscellaneous series :											
Producers' durable equipment	182,974	182,349	183,108	+0.3	-0.4	+0.1	183,096	181,708	185,541	174,684	+4.8
Household durable goods	16,379	16,309	16,377	+0.4	-0.4	-0.3	16,192	16,197	16,696	15,585	+3.9
Information technology industries	34,765	34,943	35,289	-0.5	-1.0	-0.2	35,101	34,867	36,419	35,051	+0.1
Health care equipment and products	18,129	17,755	17,448	+2.1	+1.8	0.0	18,255	17,711	17,741	16,672	+9.5

See footnotes at end of table 5.

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

**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 Oct. 97/96
	Oct. 1997 ^P	Sept. 1997 ^T	Aug. 1997	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1997 ^P	Sept. 1997 ^T	Aug. 1997	Oct. 1996	
MATERIALS AND SUPPLIES											
All manufacturing industries	149,067	148,666	147,304	+0.3	+0.9	0.0	149,706	148,698	147,792	145,789	+2.7
Durable goods industries	87,381	87,175	86,360	+0.2	+0.9	-0.1	88,042	87,713	87,291	84,848	+3.8
Stone, clay, and glass products	2,932	2,918	2,873	+0.5	+1.6	-1.3	2,938	2,926	2,907	2,884	+1.9
Primary metals	8,121	8,041	8,035	+1.0	+0.1	-0.1	8,252	8,095	8,118	7,871	+4.8
Fabricated metal products	10,513	10,604	10,468	-0.9	+1.3	0.0	10,413	10,564	10,446	10,209	+2.0
Industrial machinery and equipment	18,440	18,378	18,124	+0.3	+1.4	-0.7	18,556	18,569	18,622	18,105	+2.5
Electronic and other											
electrical equipment	13,614	13,675	13,629	-0.4	+0.3	-1.4	13,794	13,814	13,827	13,739	+0.4
Transportation equipment	14,989	14,883	14,713	+0.7	+1.2	+0.2	14,973	14,868	14,770	13,959	+7.3
Instruments and related products	8,547	8,477	8,395	+0.8	+1.0	+1.1	8,537	8,505	8,489	7,881	+8.3
Lumber, furniture and											
miscellaneous durable goods	10,225	10,199	10,123	+0.3	+0.8	+1.5	10,579	10,372	10,112	10,200	+3.7
Nondurable goods industries	61,686	61,491	60,944	+0.3	+0.9	+0.1	61,664	60,985	60,501	60,941	+1.2
Food and kindred products	11,323	11,271	11,201	+0.5	+0.6	-0.1	11,703	10,924	10,784	11,879	-1.5
Tobacco products	5,292	5,217	5,186	+1.4	+0.6	-0.7	5,179	5,054	5,017	4,866	+6.4
Textile mill products	3,116	3,170	3,172	-1.7	-0.1	+0.8	3,012	3,088	3,153	2,940	+2.4
Paper and allied products	7,746	7,740	7,683	+0.1	+0.7	-0.4	7,771	7,738	7,652	7,972	-2.5
Chemicals and allied products	14,529	14,581	14,360	-0.4	+1.5	+0.5	14,478	14,623	14,313	13,805	+4.9
Petroleum and coal products	3,693	3,603	3,582	+2.5	+0.6	+1.4	3,716	3,589	3,629	3,737	-0.6
Rubber and plastics products	6,305	6,273	6,212	+0.5	+1.0	0.0	6,230	6,237	6,149	6,095	+2.2
Apparel, printing and publishing											
and leather goods	9,682	9,636	9,548	+0.5	+0.9	-0.3	9,575	9,732	9,804	9,647	-0.7
WORK IN PROCESS											
All manufacturing industries	142,680	142,353	142,775	+0.2	-0.3	+0.8	144,187	143,457	144,887	138,006	+4.5
Durable goods industries	113,917	113,995	114,626	-0.1	-0.6	+0.6	114,472	114,551	116,505	110,485	+3.6
Stone, clay, and glass products	1,312	1,281	1,271	+2.4	+0.8	+8.5	1,227	1,241	1,269	1,169	+5.0
Primary metals	8,715	8,759	8,829	-0.5	-0.8	-0.1	8,621	8,766	8,876	8,682	-0.7
Fabricated metal products	8,066	8,112	8,086	-0.6	+0.3	-0.2	8,086	8,212	8,238	7,611	+6.2
Industrial machinery and equipment	22,857	22,723	22,814	+0.6	-0.4	+0.3	23,001	22,776	23,236	22,430	+2.5
Electronic and other											
electrical equipment	14,969	15,057	15,066	-0.6	-0.1	+0.8	15,033	15,075	15,299	15,195	-1.1
Transportation equipment	43,162	43,030	43,395	+0.3	-0.8	+1.4	43,592	43,329	44,084	39,994	+9.0
Instruments and related products	9,661	9,839	10,040	-1.8	-2.0	-1.4	9,718	9,883	10,304	10,261	-5.3
Lumber, furniture and											
miscellaneous durable goods	5,175	5,194	5,125	-0.4	+1.3	-0.3	5,194	5,269	5,199	5,143	+1.0
Nondurable goods industries	28,763	28,358	28,149	+1.4	+0.7	+1.5	29,715	28,906	28,382	27,521	+8.0
Food and kindred products	5,285	5,242	5,248	+0.8	-0.1	+3.6	6,085	5,489	4,942	5,679	+7.1
Tobacco products	115	138	179	-16.7	-22.9	-17.1	157	154	163	323	-51.4
Textile mill products	2,622	2,575	2,555	+1.8	+0.8	0.0	2,627	2,594	2,580	2,538	+3.5
Paper and allied products	1,780	1,782	1,735	+0.1	+2.7	+2.9	1,720	1,771	1,757	1,622	+6.0
Chemicals and allied products	8,114	7,681	7,518	+5.6	+2.2	+0.5	8,094	7,718	7,651	6,692	+21.0
Petroleum and coal products	2,702	2,683	2,630	+0.7	+2.0	+1.6	2,738	2,718	2,689	2,763	-0.9
Rubber and plastics products	2,184	2,303	2,267	-5.2	+1.6	+1.4	2,210	2,292	2,248	2,098	+5.3
Apparel, printing and publishing											
and leather goods	5,961	5,954	6,017	+0.1	-1.0	+1.8	6,084	6,170	6,352	5,806	+4.8
FINISHED GOODS											
All manufacturing industries	159,396	158,133	158,368	+0.8	-0.1	+0.5	158,306	156,461	159,449	151,042	+4.8
Durable goods industries	81,289	80,592	80,892	+0.9	-0.4	+0.6	80,173	78,848	81,237	76,371	+5.0
Stone, clay, and glass products	4,434	4,545	4,563	-2.4	-0.4	-1.2	4,195	4,398	4,498	4,145	+1.2
Primary metals	8,060	8,011	8,031	+0.6	-0.2	+1.4	7,820	7,865	7,977	7,615	+2.7
Fabricated metal products	10,395	10,152	10,085	+2.4	+0.7	+1.0	10,057	9,841	9,984	9,130	+10.2
Industrial machinery and equipment	19,124	18,983	19,303	+0.7	-1.7	+0.6	18,919	18,249	19,312	18,534	+2.1
Electronic and other											
electrical equipment	11,438	11,232	11,481	+1.8	-2.2	-0.3	11,418	11,032	11,820	10,673	+7.0
Transportation equipment	9,600	9,648	9,378	-0.5	+2.9	-0.3	9,676	9,667	9,517	9,075	+6.6
Instruments and related products	6,644	6,582	6,584	+0.9	0.0	+1.0	6,809	6,630	6,717	6,740	+1.0
Lumber, furniture and											
miscellaneous durable goods	11,594	11,439	11,467	+1.4	-0.2	+1.8	11,279	11,166	11,412	10,459	+7.8
Nondurable goods industries	78,107	77,541	77,476	+0.7	+0.1	+0.4	78,133	77,613	78,212	74,671	+4.6
Food and kindred products	18,933	18,795	18,780	+0.7	+0.1	-0.2	19,891	19,661	19,304	19,112	+4.1
Tobacco products	733	711	775	+3.1	-8.3	-1.3	921	704	654	998	-7.7
Textile mill products	4,558	4,564	4,567	-0.1	-0.1	+0.6	4,452	4,428	4,653	4,308	+3.3
Paper and allied products	6,526	6,576	6,523	-0.8	+0.8	+1.0	6,383	6,476	6,490	6,529	-2.2
Chemicals and allied products	21,177	20,944	20,755	+1.1	+0.9	-0.1	20,829	20,564	20,624	19,911	+4.6
Petroleum and coal products	6,062	6,164	6,219	-1.7	-0.9	+2.8	6,081	6,276	6,276	5,847	+4.0
Rubber and plastics products	7,857	7,742	7,882	+1.5	-1.8	+0.4	7,544	7,450	7,762	7,033	+7.3
Apparel, printing and publishing											
and leather goods	12,261	12,045	11,975	+1.8	+0.6	+0.9	12,032	12,054	12,449	10,933	+10.1

^P Preliminary. ^T Revised.

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

Table 8. 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			
	Oct. 1997 ^p	Sept. 1997 ^r	Aug. 1997	July 1997	Oct. 1997 ^p	Sept. 1997 ^r	Aug. 1997	July 1997
All manufacturing industries	1.35	1.34	1.36	1.34	2.81	2.78	2.85	2.80
Durable goods industries	1.53	1.52	1.56	1.53	3.34	3.30	3.38	3.32
Stone, clay, and glass products	1.13	1.13	1.15	1.11	0.89	0.87	0.89	0.88
Primary metals	1.60	1.59	1.62	1.59	2.15	2.15	2.10	2.04
Fabricated metal products	1.49	1.48	1.50	1.50	1.47	1.46	1.46	1.46
Industrial machinery and equipment	1.72	1.71	1.77	1.72	2.23	2.24	2.30	2.23
Electronic and other electrical equipment	1.32	1.29	1.33	1.37	1.85	1.80	1.83	1.75
Transportation equipment	1.56	1.56	1.58	1.52	11.25	10.91	11.30	10.87
Instruments and related products	1.81	1.80	1.91	1.88	3.48	3.49	3.74	3.70
Nondurable goods industries	1.12	1.12	1.12	1.11	0.70	0.70	0.71	0.71
Food and kindred products	0.88	0.89	0.87	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.82	1.80	1.91	1.96	(X)	(X)	(X)	(X)
Textile mill products	1.49	1.49	1.51	1.47	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.16	1.18	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.31	1.31	1.30	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.80	0.79	0.80	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.29	1.33	1.30	(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		
	Oct. ¹ 1997	Oct. ² 1992-1996	Oct. 1996-Sept. 1997	Oct. ¹ 1997	Oct. ² 1992-1996	Oct. 1996-Sept. 1997	Oct. ¹ 1997	Oct. ² 1992-1996	Oct. 1996-Sept. 1997	Oct. ¹ 1997	Oct. ² 1992-1996	Oct. 1996-Sept. 1997
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.1	0.1
Durable goods industries	0.0	0.2	0.2	0.2	0.1	0.3	0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.6	0.4	(X)	1.3	1.0	(X)	1.0	0.8	(X)	0.1	0.2
Primary metals	0.1	0.3	0.2	-0.2	0.7	0.7	-0.1	0.2	0.3	(X)	0.1	0.0
Fabricated metal products	(X)	0.2	0.3	(X)	0.4	0.7	(X)	0.3	0.4	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.5	0.5	0.2	0.7	0.8	0.1	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.2	0.4	0.5	-0.1	0.9	1.2	0.1	0.3	0.5	(X)	0.1	0.1
Transportation equipment	0.1	0.3	0.3	0.3	0.7	1.0	0.0	0.1	0.2	(X)	0.1	0.1
Instruments and related products	(X)	0.3	0.5	(X)	1.2	1.3	(X)	0.2	0.3	(X)	0.2	0.2
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5
Rubber and plastics products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	0.3	0.5	0.4	0.5	0.4	0.6	0.0	0.1	0.1	(X)	0.2	0.1
Defense	0.0	0.6	0.7	-0.2	4.0	3.2	0.0	0.2	0.2	(X)	0.3	0.2

(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.

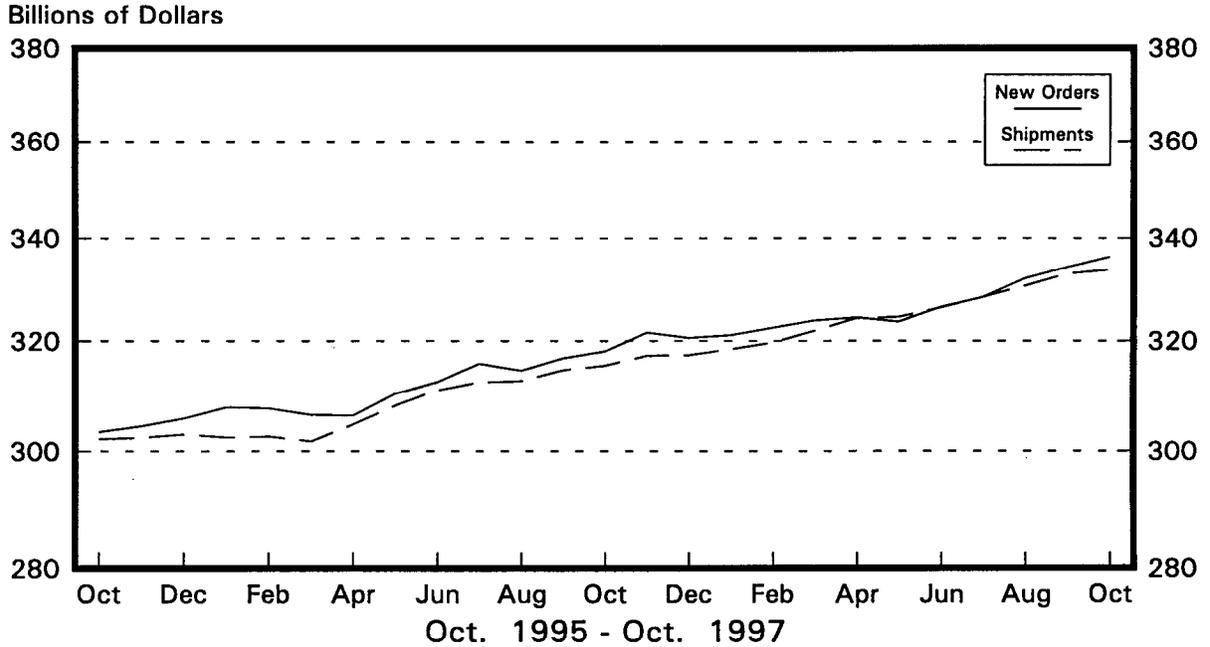
¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

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

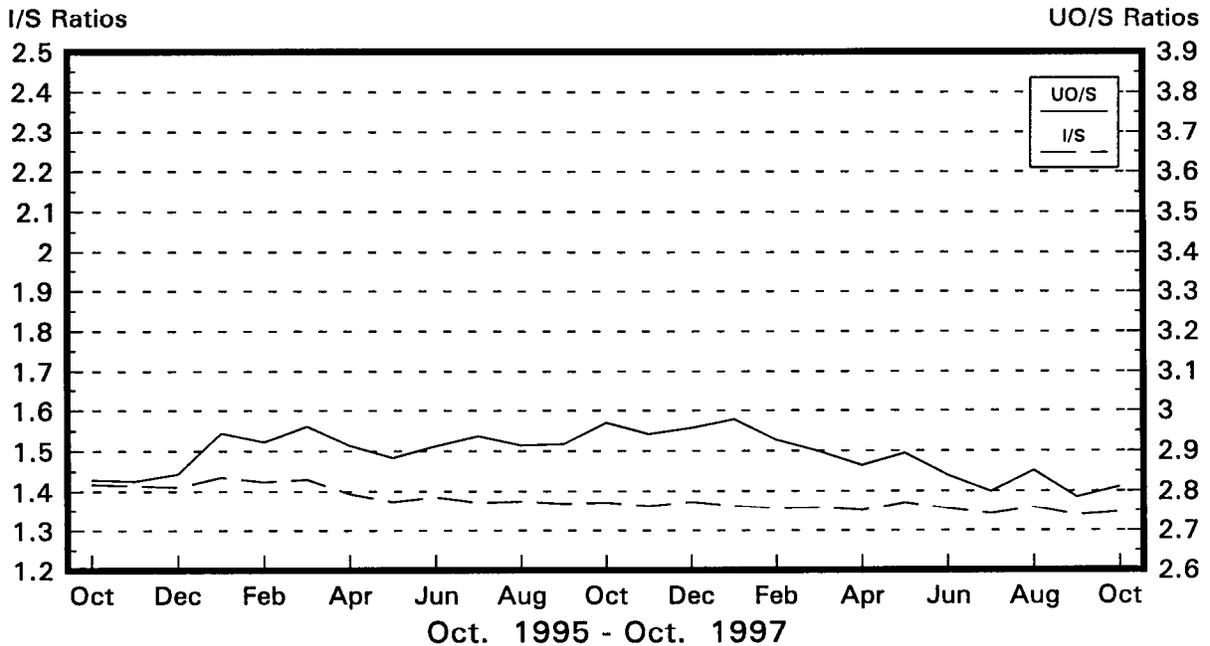
Total Manufacturing

New Orders and Shipments Three Month Moving Averages



Total Manufacturing

Ratio of Unfilled Orders and Inventories to Shipments

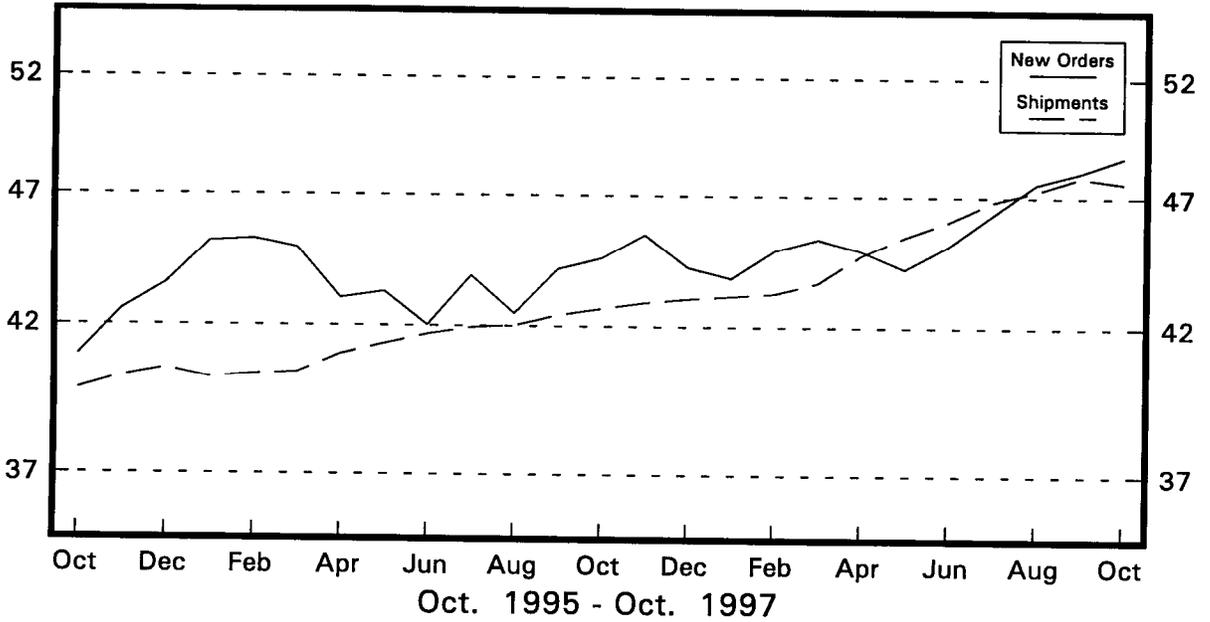


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages

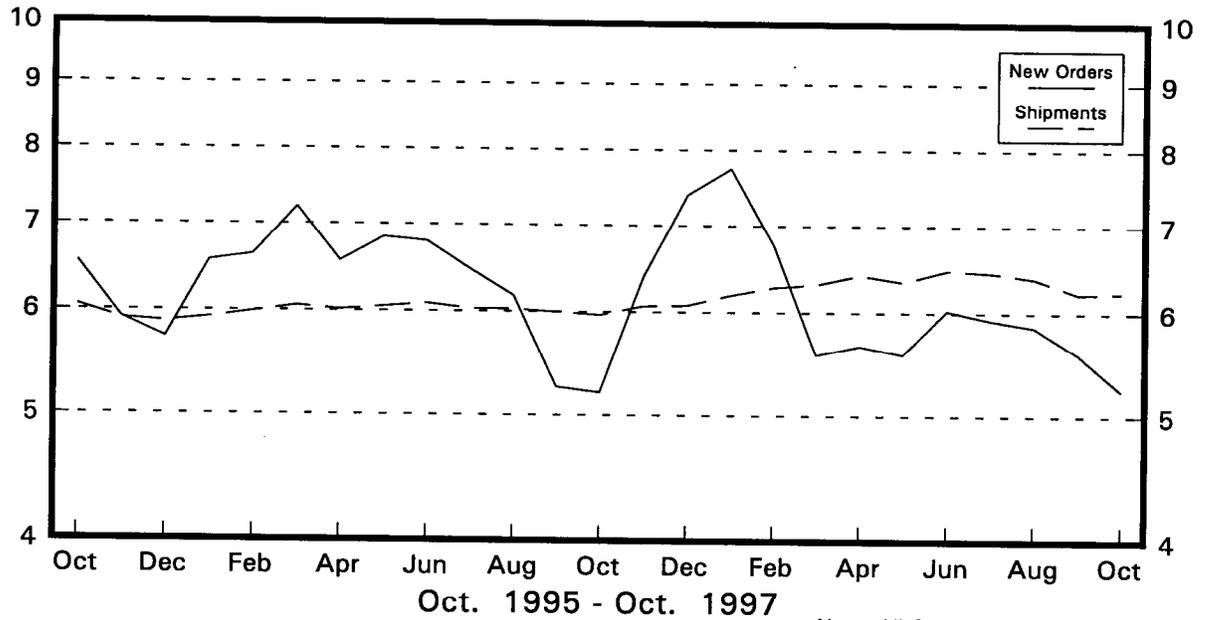
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.