



Manufacturers' Shipments, Inventories, and Orders

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For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

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

Summary

New orders for manufactured goods in November increased \$8.5 billion or 2.5 percent to \$345.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.1 percent October increase and is the sixth consecutive monthly increase. Excluding transportation, new orders decreased 0.3 percent, the second consecutive decline. Year to date, new orders are 5.3 percent above the same period a year ago.

Shipments decreased \$0.9 billion or 0.3 percent to \$333.1 billion, following a 0.4 percent October decrease. This is the third decrease in the last four months and the fifth this year. Year to date, shipments are 5.6 percent above the same period a year ago.

Unfilled orders, up six of the last seven months, increased \$12.0 billion or 2.3 percent to \$542.5 billion, following a 0.5 percent October increase. The unfilled orders-to-shipments ratio was 2.88, up from 2.82 in October.

Inventories, up sixteen of the last seventeen months, increased \$1.8 billion or 0.4 percent to \$453.9 billion, following a 0.7 percent October increase. The inventories-to-shipments ratio was 1.36, up from 1.35 in October.

New Orders

New orders for manufactured durable goods in November increased \$8.9 billion or 4.8 percent to \$194.9 billion, unrevised from the previously published 4.8 percent increase. This follows a 0.1 percent October decrease and is the fifth increase in the last six months.

Transportation equipment, up three of the last four months, had the largest increase, \$9.5 billion or 21.0 percent to \$54.6 billion, due to aircraft and parts. This follows a 6.7 percent October increase. Primary metals increased \$0.4 billion or 2.5 percent to \$16.0 billion, following a 6.4 percent October decrease. This is the second increase in the last three months and the eighth this year. Electronic and other electrical equipment, up for the first month since August, increased \$0.2 billion or 0.7 percent to \$30.4 billion. This follows a 4.2 percent October decrease. Industrial machinery and equipment, down three of the last four months, decreased \$0.7 billion or 1.9 percent to \$33.9 billion. This follows a 2.2 percent October decrease. Stone, clay, and glass products, down for the first month since August, decreased \$0.3 billion or 3.8 percent to \$7.6 billion. This follows a 1.7 percent October increase. Fabricated metal products, down four of the last five months, declined \$0.3 billion or 1.3 percent to \$19.4 billion, following a 0.6 percent October decrease.

New orders for nondurable goods, down for the first month since August, decreased \$0.4 billion or 0.3 percent to \$150.2 billion, following a 0.4 percent October increase. Petroleum and coal products and chemicals and allied products had the largest decreases; food and kindred products had the largest increase.

Shipments

Shipments of durable goods in November, down three of the last four months, decreased \$0.5 billion or 0.3 percent to \$183.1 billion, revised from the previously published 0.4 percent decrease. This follows a 1.0 percent October decrease and is the fourth decline this year.

Industrial machinery and equipment, down three of the last four months, had the largest decrease, \$0.8 billion or 2.3 percent to \$33.9 billion. This follows a 1.1 percent October decrease. Instruments and related products, down three of the last four months, declined \$0.5 billion or 3.4 percent to \$13.3 billion, following a 0.5 percent October decrease. Primary metals, down

three of the last four months, decreased \$0.2 billion or 1.0 percent to \$15.4 billion, following a 0.3 percent October decrease. Fabricated metal products, down for the second consecutive month, declined \$0.1 billion or 0.8 percent to \$19.2 billion. This follows a 0.3 percent October decrease. Transportation equipment increased \$0.5 billion or 1.2 percent to \$43.7 billion, as a large increase in aircraft and parts more than offset a decline in motor vehicles and parts. This follows a 0.2 percent October decrease and is the second increase in the last three months. Electronic and other electrical equipment, up three of the last four months, increased \$0.4 billion or 1.3 percent to \$30.6 billion. This follows a 2.5 percent October decrease.

Shipments of nondurable goods, down for the first month since August, decreased \$0.4 billion or 0.3 percent to \$150.1 billion. This follows a 0.4 percent October increase. Petroleum and coal products and chemicals and allied products had the largest decreases; food and kindred products had the largest increase.

Unfilled Orders

Unfilled orders for durable goods in November increased \$11.9 billion or 2.4 percent to \$516.0 billion, unrevised from the previously published 2.4 percent increase. This follows a 0.5 percent October increase and is the sixth increase in the last seven months.

Transportation equipment had the largest increase, \$10.9 billion or 4.3 percent to \$261.8 billion, mostly due to aircraft and parts. This follows a 0.8 percent October increase and is the third increase in the last four months. Primary metals, up for the eleventh consecutive month, increased \$0.7 billion or 2.0 percent to \$34.2 billion, following a 0.3 percent October increase. Instruments and related products, up for the first month since July, increased \$0.3 billion or 0.5 percent to \$48.2 billion. This follows a 0.3 percent October decrease. Fabricated metal products, up for the twenty-third consecutive month, increased \$0.2 billion or 0.7 percent to \$27.2 billion. This follows a 1.1 percent October increase. Electronic and other electrical equipment, down for the second consecutive month, decreased \$0.3 billion or 0.5 percent to \$55.4 billion. This follows a 0.2 percent October decrease.

Inventories

Inventories of durable goods in November, up fifteen of the last seventeen months, increased \$0.9 billion or 0.3 percent to \$284.4 billion. This follows a 0.6 percent October increase. Instruments and related products, up five of the last six months, increased \$0.2 billion or 0.8 percent to \$25.1 billion, following a slight October increase. Stone, clay, and glass products increased \$0.2 billion or 1.9 percent to \$8.8 billion. This follows a 1.3 percent October decline and is the third increase in the last four months. Electronic and other electrical equipment, up for the second consecutive month, increased \$0.1 billion or 0.3 percent to \$40.2 billion, following a 0.2 percent October increase. Industrial machinery and equipment, up seven of the last eight months, increased \$0.1 billion or 0.2 percent to \$60.6 billion. This follows a 0.7 percent October increase. Transportation equipments, up for the twenty-third consecutive month, increased \$0.1 billion or 0.2 percent to \$68.6 billion. This follows a 1.4 percent October increase.

Inventories of nondurable goods, up fifteen of the last sixteen months, increased \$0.9 billion or 0.5 percent to \$169.5 billion, following a 0.8 percent October increase. Chemicals and allied products had the largest increase, \$0.5 billion or 1.2 percent to \$44.4 billion. This is the sixteenth consecutive monthly increase.

By stage of fabrication, November finished goods decreased slightly in durables and increased 1.4 percent in nondurables. Work in process increased 1.0 percent in durables and 1.2 percent in nondurables. Materials and supplies decreased 0.3 percent in durables and 0.9 percent in nondurables.

(See Back Page for 1998 Release Dates)

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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	
	Nov. 1997 ^a	Oct. 1997 ^a	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997 ^a	Oct. 1997 ^a	Sept. 1997	Nov. 1996	Nov. 97/96	1997 ^a	1996
All manufacturing industries	333,138	334,064	335,366	-0.3	-0.4	+1.6	333,571	344,183	357,830	320,385	+4.1	3,615,831	3,422,981
Manufacturing Industries													
with unfilled orders	188,565	188,225	189,592	+0.2	-0.7	+2.6	189,522	191,604	205,542	177,380	+6.8	2,018,312	1,883,474
without defense capital goods . . .	326,145	327,573	329,203	-0.4	-0.5	+1.6	326,477	337,904	351,266	313,891	+4.0	3,546,988	3,357,781
Durable goods industries	183,072	183,602	185,496	-0.3	-1.0	+2.4	182,742	188,297	200,278	172,028	+6.2	1,975,319	1,835,231
With unfilled orders	150,886	150,366	152,156	+0.3	-1.2	+2.8	150,752	152,077	165,611	140,370	+7.4	1,613,027	1,488,459
Stone, clay, and glass products	7,615	7,662	7,718	-0.6	-0.7	+1.7	7,545	8,393	8,348	7,081	+6.6	84,566	77,386
Primary metals	15,365	15,523	15,567	-1.0	-0.3	+1.1	15,073	15,888	15,996	14,495	+4.0	170,104	160,020
Blast furnaces, steel mills	6,149	6,184	6,197	-0.6	-0.2	+0.6	5,952	6,381	6,336	5,847	+1.8	68,765	66,669
Iron and steel foundries	1,507	1,561	1,511	-3.5	+3.3	+2.6	1,474	1,686	1,593	1,379	+6.9	16,495	15,469
Nonferrous and other primary metals	7,709	7,778	7,859	-0.9	-1.0	+1.3	7,647	7,821	8,067	7,269	+5.2	84,844	77,882
Fabricated metal products	19,238	19,387	19,447	-0.8	-0.3	+1.8	19,060	20,556	20,555	18,290	+4.2	209,719	198,725
Industrial machinery and equipment . .	33,948	34,755	35,126	-2.3	-1.1	+3.2	32,238	33,770	38,923	30,464	+5.8	367,837	343,024
Engines and turbines	1,956	2,006	1,910	-2.5	+5.0	-1.3	1,891	1,861	2,204	1,758	+7.6	20,122	19,529
Farm and garden machinery	1,642	2,008	2,172	-18.2	-7.6	+4.1	1,340	1,928	2,035	1,607	-16.6	22,450	20,989
Construction, mining and material handling equipment	3,964	3,955	3,929	+0.2	+0.7	+1.6	3,758	3,948	3,935	3,391	+10.8	41,878	38,020
Metalworking machinery	3,384	3,433	3,667	-1.4	-6.4	+3.9	3,641	3,666	4,133	3,555	+2.4	37,466	33,440
Computer and office equipment	8,927	9,222	9,475	-3.2	-2.7	+1.6	8,418	8,122	12,217	8,107	+3.8	96,750	89,284
Electronic and other electrical equipment	30,637	30,242	31,007	+1.3	-2.5	+2.6	31,990	30,358	34,815	29,403	+8.8	320,917	292,409
Electrical transmission and distribution equipment and industrial apparatus	3,353	3,434	3,511	-2.4	-2.2	+7.7	3,240	3,347	3,971	3,299	-1.8	36,383	34,791
Household appliances	2,137	2,166	2,136	-1.3	+1.4	+7.2	2,092	2,206	2,311	1,920	+9.0	22,629	21,555
Electric lighting and wiring equipment	2,170	2,178	2,230	-0.4	-2.3	+4.5	2,283	2,152	2,450	2,174	+5.0	23,343	21,910
Household audio and video equipment	1,336	1,284	1,300	+4.0	-1.2	+1.2	1,719	1,727	1,642	1,551	+10.8	14,484	13,673
Communications equipment	7,042	6,780	6,736	+3.9	+0.7	-3.6	7,364	6,400	7,562	6,373	+15.5	68,601	59,473
Electronic components	12,365	12,195	12,764	+1.4	-4.5	+2.9	12,674	12,061	14,269	11,596	+9.3	131,440	117,286
Transportation equipment	43,690	43,177	43,266	+1.2	-0.2	+1.2	44,152	45,426	45,197	40,958	+7.8	466,480	433,173
Motor vehicles and parts	29,553	30,603	29,875	-3.4	+2.4	-0.3	30,153	33,562	30,869	29,064	+3.7	325,904	311,275
Aircraft, missiles, space vehicles, and parts	11,232	9,885	10,490	+13.6	-5.8	+3.3	11,134	9,152	11,223	9,227	+20.7	110,551	91,498
Shipbuilding and tanks	911	919	851	-0.9	+8.0	-1.3	876	835	877	850	+3.1	9,625	9,751
Instruments and related products	13,262	13,729	13,795	-3.4	-0.5	+5.5	13,282	13,418	14,984	12,668	+4.8	143,260	132,921
Search and navigation equipment . . .	2,591	2,968	2,835	-12.7	+4.7	+7.7	2,628	2,831	3,106	2,624	+0.2	29,109	26,513
Measuring and controlling devices . .	4,019	4,046	4,109	-0.7	-1.5	+2.8	3,959	3,941	4,454	3,722	+6.4	42,701	39,721
Medical instruments and supplies . . .	4,273	4,342	4,399	-1.6	-1.3	+7.7	4,196	4,179	4,787	3,964	+5.9	45,369	42,384
Photographic goods	1,929	1,910	1,987	+1.0	-3.9	+4.5	2,054	2,011	2,155	1,943	+5.7	21,120	20,204
All other durable goods	19,317	19,127	19,570	+1.0	-2.3	+3.3	19,402	20,488	21,460	18,669	+3.9	212,436	197,573
Nondurable goods industries	150,066	150,462	149,870	-0.3	+0.4	+0.6	150,829	155,886	157,552	148,357	+1.7	1,640,512	1,587,750
With unfilled orders	37,679	37,859	37,436	-0.5	+1.1	+1.7	38,770	39,527	39,931	37,010	+4.8	405,285	395,015
Food and kindred products	40,615	40,219	39,756	+1.0	+1.2	-1.3	41,665	41,955	41,897	41,144	+1.3	441,681	432,513
Meat products	8,760	8,661	8,620	+1.1	+0.5	-4.2	8,944	8,959	8,971	9,107	-1.8	97,483	96,690
Dairy products	5,065	5,051	4,978	+0.3	+1.5	-1.1	5,333	5,028	5,119	5,332	0.0	55,269	54,282
Beverages	6,152	6,218	6,019	-1.1	+3.3	+2.2	5,900	6,147	6,179	5,722	+3.1	65,472	63,373
All other foods, except fats and oils .	18,476	18,177	18,101	+1.6	+0.4	-1.6	19,326	19,709	19,590	18,844	+2.6	201,103	196,652
Tobacco products	3,499	3,398	3,375	+3.0	+0.7	+5.0	3,635	3,431	3,336	2,958	+22.9	35,564	31,494
Textile mill products	6,921	6,855	6,897	+1.0	-0.6	+1.1	6,978	7,160	7,662	6,666	+4.7	75,791	72,367
Broadwoven fabrics and other textiles	4,207	4,278	4,200	-1.7	+1.9	+1.8	4,102	4,348	4,636	3,996	+2.7	46,317	44,824
Paper and allied products	13,905	14,008	13,824	-0.7	+1.3	+2.2	13,750	14,353	14,309	13,141	+4.6	149,070	149,146
Pulp, paper, and paperboard mill products	5,541	5,572	5,499	-0.6	+1.3	+1.9	5,491	5,672	5,662	5,181	+6.0	58,944	60,237
Paperboard containers and boxes . . .	3,498	3,418	3,338	+2.3	+2.4	+3.5	3,442	3,547	3,423	3,211	+7.2	36,407	36,557
Miscellaneous converted paper products	4,866	5,018	4,987	-3.0	+0.6	+1.7	4,817	5,134	5,224	4,749	+1.4	53,719	52,352
Chemicals and allied products	32,459	32,836	32,872	-1.1	-0.1	+1.3	31,023	32,498	33,884	30,699	+1.1	359,584	342,019
Industrial chemicals	15,948	16,046	16,152	-0.6	-0.7	+1.3	15,326	15,815	16,412	14,872	+3.1	176,535	167,778
Drugs, soaps, and toiletries	12,503	12,619	12,673	-0.9	-0.4	+0.9	12,428	13,108	13,965	12,662	-1.8	138,177	131,342
Petroleum and coal products	14,951	15,337	15,501	-2.5	-1.1	-2.0	14,987	15,934	15,919	16,251	-7.8	169,322	164,305
Rubber and plastics products	12,641	12,758	12,620	-0.9	+1.1	+2.3	12,159	13,247	13,142	11,627	+4.6	138,244	133,271
All other nondurable goods	25,075	25,051	25,025	+0.1	+0.1	+1.8	26,632	27,308	27,403	25,871	+2.9	271,256	262,635

^a Preliminary. ^r Revised.

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

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 Nov. 97/96	Year to date	
	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Nov. 1996		1997 ^p	1996
All manufacturing industries	345,100	336,631	336,264	+2.5	+0.1	+0.4	343,695	348,981	353,389	321,484	+6.9	3,641,240	3,457,49 ^a
Manufacturing industries with unfilled orders	200,527	190,792	190,490	+5.1	+0.2	+0.4	199,646	196,402	201,101	178,479	+11.9	2,043,721	1,917,98 ^a
without defense capital goods	339,152	331,906	330,815	+2.2	+0.3	+0.3	337,412	344,512	347,984	312,768	+7.9	3,582,720	3,389,44 ^a
Durable goods industries	194,936	186,028	186,210	+4.8	-0.1	0.0	192,930	193,793	196,409	172,506	+11.8	1,999,890	1,868,13 ^a
With unfilled orders	162,750	152,792	152,870	+6.5	-0.1	-0.1	160,940	157,573	161,742	140,848	+14.3	1,637,598	1,521,36 ^a
Stone, clay, and glass products	7,556	7,852	7,720	-3.8	+1.7	+4.5	7,388	8,327	8,275	6,972	+6.0	84,203	76,85 ^a
Primary metals	16,020	15,633	16,709	+2.5	-6.4	+5.0	15,408	15,555	16,536	13,918	+10.7	174,130	160,54 ^a
Blast furnaces, steel mills	6,628	6,563	6,489	+1.0	+1.1	+4.3	6,380	6,482	6,144	5,502	+16.0	70,498	66,61 ^a
Iron and steel foundries	1,737	1,590	1,643	+9.2	-3.2	+7.5	1,688	1,650	1,664	1,400	+20.6	17,415	16,01 ^a
Nonferrous and other primary metals	7,655	7,480	8,577	+2.3	-12.8	+5.0	7,340	7,423	8,728	7,016	+4.6	86,217	77,92 ^a
Fabricated metal products	19,433	19,691	19,817	-1.3	-0.6	+3.3	18,938	20,545	20,741	18,178	+4.2	212,206	200,41 ^a
Industrial machinery and equipment	33,940	34,592	35,361	-1.9	-2.2	+1.9	33,009	34,647	38,933	31,010	+6.4	370,126	345,68 ^a
Engines and turbines	2,036	2,140	1,874	-4.9	+14.2	-10.6	2,177	2,259	2,520	2,112	+3.1	19,995	20,01 ^a
Construction, mining and material handling equipment	4,195	4,298	4,111	-2.4	+4.5	+1.5	3,948	4,449	4,077	3,396	+16.3	43,226	38,19 ^a
Metalworking machinery	3,175	3,390	3,267	-6.3	+3.8	-12.0	3,432	3,623	3,733	3,273	+4.9	36,717	33,84 ^a
Computer and office equipment	8,843	8,881	9,469	-0.4	-6.2	+3.4	8,523	8,034	11,990	8,176	+4.2	95,487	90,07 ^a
Electronic and other electrical equipment	30,355	30,132	31,461	+0.7	-4.2	-7.8	30,231	33,367	32,854	28,242	+7.0	328,562	295,93 ^a
Electrical transmission and distribution equipment and industrial apparatus	3,351	3,108	3,452	+7.8	-10.0	+8.0	3,205	3,041	3,820	3,388	-5.4	36,142	35,13 ^a
Electric lighting and wiring equipment	2,130	2,370	2,114	-10.1	+12.1	-5.7	2,243	2,344	2,334	2,112	+6.2	23,700	22,30 ^a
Communications equipment	6,890	6,542	7,170	+5.3	-8.8	+4.4	7,173	6,198	8,041	6,290	+14.0	70,936	60,30 ^a
Electronic components	12,265	12,385	12,774	-1.0	-3.0	-21.3	11,380	15,248	12,136	10,494	+8.4	135,292	118,79 ^a
Transportation equipment	54,603	45,142	42,324	+21.0	+6.7	-1.7	55,188	47,296	43,599	43,550	+26.7	470,777	459,29 ^a
Aircraft, missiles, space vehicles, and parts	21,532	10,713	8,804	+101.0	+21.7	-19.8	21,649	10,068	9,028	11,578	+87.0	114,360	118,37 ^a
Shipbuilding and tanks	940	466	990	+101.7	-52.9	+98.0	851	403	1,026	1,216	-30.0	7,587	9,48 ^a
Instruments and related products	13,518	13,573	12,980	-0.4	+4.6	+2.3	13,508	13,284	14,023	12,653	+6.8	145,244	131,16 ^a
Search and navigation equipment	2,537	2,690	2,375	-5.7	+13.3	+3.3	2,632	2,385	2,665	2,640	-0.3	29,337	24,46 ^a
Measuring and controlling devices	3,972	4,336	3,783	-8.4	+14.6	-4.4	3,912	4,231	4,128	3,685	+6.2	42,847	39,26 ^a
Medical instruments and supplies	4,385	4,428	4,389	-1.0	+0.9	+3.8	4,353	4,535	4,635	4,012	+8.5	46,268	42,96 ^a
All other durable goods	19,511	19,413	19,838	+0.5	-2.1	+3.6	19,260	20,772	21,448	17,983	+7.1	214,642	198,24 ^a
Nondurable goods industries	150,164	150,603	150,054	-0.3	+0.4	+0.8	150,765	155,188	156,980	148,978	+1.2	1,641,350	1,589,35 ^a
With unfilled orders	37,777	38,000	37,620	-0.6	+1.0	+2.8	38,706	38,829	39,359	37,631	+2.9	406,123	396,621

^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 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 which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3- "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 Nov. 97/96
	Nov. 1997 ^P	Oct. 1997 ^r	Sept. 1997	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1997 ^P	Oct. 1997 ^r	Sept. 1997	Nov. 1996	
All manufacturing industries	542,460	530,498	527,931	+2.3	+0.5	+0.2	537,628	527,504	522,706	511,547	+5.1
Manufacturing industries without defense capital goods	439,137	426,130	421,797	+3.1	+1.0	+0.4	436,273	425,338	418,730	404,393	+7.9
Durable goods industries	516,031	504,167	501,741	+2.4	+0.5	+0.1	512,145	501,957	496,461	486,920	+5.2
Stone, clay, and glass products	6,529	6,588	6,398	-0.9	+3.0	0.0	6,214	6,371	6,437	6,273	-0.9
Primary metals	34,187	33,532	33,422	+2.0	+0.3	+3.5	32,464	32,129	32,462	27,719	+17.1
Blast furnaces, steel mills	14,055	13,576	13,197	+3.5	+2.9	+2.3	13,268	12,840	12,739	11,451	+15.9
Iron and steel foundries	5,412	5,182	5,153	+4.4	+0.6	+2.6	5,212	4,998	5,034	4,079	+27.8
Nonferrous and other primary metals	14,720	14,774	15,072	-0.4	-2.0	+5.0	13,984	14,291	14,689	12,189	+14.7
Fabricated metal products	27,171	26,976	26,672	+0.7	+1.1	+1.4	26,717	26,839	26,850	23,878	+11.9
Industrial machinery and equipment	73,668	73,676	73,839	0.0	-0.2	+0.3	74,453	73,682	72,805	73,372	+1.5
Engines and turbines	11,927	11,847	11,713	+0.7	+1.1	-0.3	12,574	12,288	11,890	12,776	-1.6
Construction, mining and material handling equipment	10,233	10,002	9,659	+2.3	+3.6	+1.9	9,977	9,787	9,286	8,538	+16.9
Metalworking machinery	7,461	7,670	7,713	-2.7	-0.6	-4.9	7,461	7,670	7,713	8,567	-12.9
Computer and office equipment	8,167	8,251	8,592	-1.0	-4.0	-0.1	8,518	8,413	8,501	10,233	-16.8
Electronic and other electrical equipment	55,393	55,675	55,785	-0.5	-0.2	+0.8	55,507	57,266	54,257	52,997	+4.7
Electrical transmission and distribution equipment and industrial apparatus	6,150	6,152	6,478	0.0	-5.0	-0.9	6,061	6,096	6,402	6,425	-5.7
Electric lighting and wiring equipment	4,771	4,811	4,619	-0.8	+4.2	-2.4	4,771	4,811	4,619	4,279	+11.5
Communications equipment	14,727	14,879	15,117	-1.0	-1.6	+3.0	14,735	14,926	15,128	14,330	+2.8
Electronic components	23,241	23,341	23,151	-0.4	+0.8	0.0	23,613	24,907	21,720	22,836	+3.4
Transportation equipment	261,849	250,936	248,971	+4.3	+0.8	-0.4	260,032	248,996	247,126	250,660	+3.7
Aircraft, missiles, space vehicles, and parts	228,261	217,961	217,133	+4.7	+0.4	-0.8	226,718	216,203	215,287	219,441	+3.3
Shipbuilding and tanks	17,427	17,398	17,851	+0.2	-2.5	+0.8	17,415	17,440	17,872	18,168	-4.1
Instruments and related products	48,191	47,935	48,091	+0.5	-0.3	-1.7	47,796	47,570	47,704	44,804	+6.7
Search and navigation equipment	28,278	28,332	28,610	-0.2	-1.0	-1.6	27,845	27,841	28,287	26,732	+4.2
Measuring and controlling devices	9,893	9,940	9,650	-0.5	+3.0	-3.3	9,893	9,940	9,650	9,269	+6.7
Medical instruments and supplies	8,130	8,018	7,932	+1.4	+1.1	-0.1	8,325	8,168	7,812	7,894	+5.5
All other durable goods	9,043	8,849	8,563	+2.2	+3.3	+3.2	8,962	9,104	8,820	7,217	+24.2
Nondurable goods industries	26,429	26,331	26,190	+0.4	+0.5	+0.7	25,483	25,547	26,245	24,627	+3.5

^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 Nov 97/9
	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Nov. 1996	
All manufacturing industries	453,921	452,139	449,152	+0.4	+0.7	+0.2	454,407	453,221	448,616	435,162	+4.
Manufacturing industries with unfilled orders	300,883	299,664	297,714	+0.4	+0.7	-0.2	301,014	299,784	297,372	288,963	+4.
without defense capital goods	437,962	436,069	432,854	+0.4	+0.7	+0.1	438,403	436,965	432,003	418,472	+4.
Durable goods industries	284,402	283,477	281,762	+0.3	+0.6	0.0	285,141	283,673	281,112	272,612	+4.
With unfilled orders	261,062	259,929	258,098	+0.4	+0.7	-0.3	261,698	260,280	257,720	250,246	+4.
Stone, clay, and glass products	8,794	8,630	8,744	+1.9	-1.3	+0.4	8,469	8,318	8,565	8,195	+3.
Primary metals	24,899	24,875	24,811	+0.1	+0.3	-0.3	24,751	24,684	24,726	24,353	+1.
Blast furnaces, steel mills	12,053	12,061	12,060	-0.1	0.0	-0.3	12,161	12,058	12,060	12,273	-0.
Iron and steel foundries	1,645	1,640	1,653	+0.3	-0.8	+0.7	1,602	1,604	1,622	1,620	-1.
Nonferrous and other primary metals	11,201	11,174	11,098	+0.2	+0.7	-0.6	10,988	11,022	11,044	10,460	+5.
Fabricated metal products	29,136	29,029	28,868	+0.4	+0.6	+0.8	28,703	28,614	28,617	26,925	+6.
Industrial machinery and equipment	60,605	60,487	60,084	+0.2	+0.7	-0.3	61,227	60,546	59,594	59,764	+2.
Engines and turbines	3,863	3,803	3,742	+1.6	+1.6	+2.3	4,110	3,974	3,832	3,983	+3.
Farm and garden machinery	3,272	3,311	3,236	-1.2	+2.3	-0.8	3,252	3,130	3,015	2,817	+15.
Construction, mining and material handling equipment	8,052	7,971	7,940	+1.0	+0.4	+0.5	8,028	7,938	7,864	7,619	+5.
Metalworking machinery	7,307	7,294	7,187	+0.2	+1.5	-1.0	7,241	7,325	7,246	7,179	+0.
Computer and office equipment	11,683	11,765	11,915	-0.7	-1.3	-1.4	12,092	11,923	11,675	12,622	-4.
Electronic and other electrical equipment	40,176	40,048	39,964	+0.3	+0.2	-0.5	40,196	40,252	39,921	39,649	+1.
Electrical transmission and distribution equipment and industrial apparatus	5,221	5,245	5,246	-0.5	0.0	-0.2	5,322	5,304	5,238	5,270	+1.
Household appliances	2,669	2,682	2,748	-0.5	-2.4	-1.3	2,573	2,588	2,599	2,738	-6.
Electric lighting and wiring equipment	3,428	3,410	3,392	+0.5	+0.5	+0.3	3,418	3,421	3,339	3,246	+5.
Household audio and video equipment	1,512	1,569	1,546	-3.6	+1.5	-2.3	1,415	1,552	1,586	1,567	-9.
Communications equipment	10,989	10,871	10,839	+1.1	+0.3	-0.7	11,010	10,948	10,897	10,414	+5.
Electronic components	13,088	12,976	12,847	+0.9	+1.0	+0.3	13,284	13,162	12,901	13,020	+2.
Transportation equipment	68,616	68,503	67,561	+0.2	+1.4	+0.1	69,486	69,118	67,864	63,448	+9.
Motor vehicles and parts	16,429	16,654	17,101	-1.4	-2.6	+2.3	16,526	16,787	17,230	16,583	-0.
Aircraft, missiles, space vehicles, and parts	47,464	47,061	45,753	+0.9	+2.9	-0.6	48,226	47,562	45,939	41,986	+14.
Shipbuilding and tanks	1,597	1,624	1,625	-1.7	-0.1	+2.4	1,594	1,585	1,600	1,755	-9.
Instruments and related products	25,107	24,900	24,898	+0.8	0.0	-0.5	25,273	25,074	25,018	24,488	+3.
Search and navigation equipment	6,069	6,038	6,148	+0.5	-1.8	-2.5	6,064	5,985	6,183	6,067	0.
Measuring and controlling devices	7,867	7,816	7,793	+0.7	+0.3	-0.5	7,875	7,811	7,786	7,536	+4.
Medical instruments and supplies	8,162	8,036	7,970	+1.6	+0.8	+0.5	8,260	8,152	7,938	7,685	+7.
Photographic goods	2,326	2,334	2,321	-0.3	+0.6	+1.2	2,386	2,449	2,452	2,581	-7.
All other durable goods	27,069	27,005	26,832	+0.2	+0.6	+0.4	27,036	27,067	26,807	25,790	+4.
Nondurable goods industries	169,519	168,662	167,390	+0.5	+0.8	+0.5	169,266	169,548	167,504	162,550	+4.
With unfilled orders	39,821	39,735	39,616	+0.2	+0.3	+0.5	39,316	39,504	39,652	38,717	+1.
Food and kindred products	35,522	35,513	35,308	0.0	+0.6	+0.2	37,188	37,640	36,074	36,418	+2.
Meat products	3,816	3,821	3,824	-0.1	-0.1	-1.5	3,797	3,845	3,810	3,743	+1.
Dairy products	3,256	3,187	3,164	+2.2	+0.7	+0.7	3,194	3,224	3,194	3,050	+4.
Beverages	7,189	7,129	7,048	+0.8	+1.1	+2.7	7,333	7,380	7,209	6,680	+9.
All other foods, except fats and oils	19,273	19,360	19,372	-0.4	-0.1	-0.8	20,699	21,080	20,318	20,636	+0.
Tobacco products	6,216	6,167	6,066	+0.8	+1.7	-1.2	6,365	6,271	5,912	6,344	+0.
Textile mill products	10,243	10,314	10,309	-0.7	0.0	+0.1	10,042	10,115	10,110	9,837	+2.
Broadwoven fabrics and other textiles	6,388	6,414	6,412	-0.4	0.0	+0.1	6,331	6,309	6,265	6,246	+1.
Paper and allied products	16,150	16,079	16,098	+0.4	-0.1	+1.0	15,986	15,875	15,985	16,056	-0.
Pulp, paper, and paperboard mill products	6,631	6,585	6,592	+0.7	-0.1	+0.5	6,591	6,489	6,560	6,708	-1.
Paperboard containers and boxes	3,927	3,905	3,854	+0.6	+1.3	+0.6	3,848	3,824	3,847	3,801	+1.
Miscellaneous converted paper products	5,592	5,589	5,652	+0.1	-1.1	+1.9	5,547	5,562	5,578	5,547	0.
Chemicals and allied products	44,438	43,894	43,206	+1.2	+1.6	+1.3	44,112	43,452	42,905	40,504	+8.
Industrial chemicals	20,138	19,864	19,815	+1.4	+0.2	0.0	19,937	19,625	19,814	18,996	+5.
Drugs, soaps, and toiletries	18,888	18,651	18,042	+1.3	+3.4	+2.9	18,888	18,674	18,021	16,521	+14.
Petroleum and coal products	12,587	12,463	12,450	+1.0	+0.1	+0.2	12,463	12,536	12,583	12,244	+1.
Rubber and plastics products	16,500	16,375	16,318	+0.8	+0.3	-0.3	16,136	15,996	15,979	15,304	+5.
All other nondurable goods	27,863	27,857	27,635	0.0	+0.8	+0.3	26,974	27,663	27,956	25,843	+4.

^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	
	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Nov. 1996	Nov. 97/96	1997 ^p	1996
SHIPMENTS													
All manufacturing industries	333,138	334,064	335,366	-0.3	-0.4	+1.6	333,571	344,183	357,830	320,385	+4.1	3,615,831	3,422,981
Market categories :													
Automotive equipment	14,556	14,990	14,736	-2.9	+1.7	0.0	14,923	16,575	15,419	14,485	+3.0	160,302	154,704
Home goods and apparel	19,498	19,232	19,527	+1.4	-1.5	+3.5	20,698	21,727	22,366	19,946	+3.8	212,089	202,669
Consumer staples	69,585	69,500	69,147	+0.1	+0.5	-0.6	70,826	72,042	73,102	70,225	+0.9	759,036	733,477
Machinery and equipment	60,200	60,469	61,775	-0.4	-2.1	+2.8	59,444	59,825	67,527	55,527	+7.1	645,484	591,623
Business supplies	25,836	26,049	26,033	-0.8	+0.1	+1.5	26,394	26,869	27,126	25,531	+3.4	281,298	269,279
Construction materials and supplies	20,683	20,854	21,159	-0.8	-1.4	+1.7	20,348	22,236	22,791	19,865	+2.4	230,461	217,143
Defense products	7,383	6,898	6,550	+7.0	+5.3	+1.0	7,391	6,679	6,974	6,744	+9.6	73,075	69,135
Other materials, supplies and and intermediate products	115,397	116,072	116,439	-0.6	-0.3	+2.2	113,547	118,230	122,525	108,062	+5.1	1,254,086	1,184,951
Durable goods industries :													
Nondefense capital goods ³	47,549	47,168	48,482	+0.8	-2.7	+3.4	46,314	44,892	54,362	42,279	+9.5	499,482	451,479
Excluding aircraft and parts	40,634	40,706	41,251	-0.2	-1.3	+3.2	39,552	39,075	46,627	36,532	+8.3	426,750	395,004
Defense capital goods ⁴	6,993	6,491	6,163	+7.7	+5.3	+0.8	7,094	6,279	6,564	6,494	+9.2	68,843	65,200
Durables excluding capital goods	128,530	129,943	130,851	-1.1	-0.7	+2.1	129,334	137,126	139,352	123,255	+4.9	1,406,994	1,318,552
Miscellaneous series :													
Producers' durable equipment	117,208	118,243	119,360	-0.9	-0.9	+2.5	117,115	120,945	129,174	110,317	+6.2	1,264,095	1,177,101
Household durable goods	10,067	9,874	10,093	+2.0	-2.2	+6.3	10,807	10,949	11,726	9,982	+8.3	107,400	100,090
Information technology industries	22,609	22,652	23,002	-0.2	-1.5	+1.0	22,478	21,126	27,211	20,632	+8.9	236,278	214,677
Health care equipment and products	11,078	11,209	11,292	-1.2	-0.7	+3.5	10,956	11,314	12,372	10,839	+1.1	120,534	113,802
NEW ORDERS													
All manufacturing industries	345,100	336,631	336,264	+2.5	+0.1	+0.4	343,695	348,981	353,389	321,484	+6.9	3,641,240	3,457,494
Market categories :													
Automotive equipment	14,546	15,020	14,733	-3.2	+1.9	-0.1	14,877	16,579	15,346	14,487	+2.7	160,478	154,676
Home goods and apparel	20,178	19,511	19,934	+3.4	-2.1	+6.2	20,702	21,557	22,452	18,885	+9.6	213,990	203,218
Consumer staples	69,472	69,467	69,097	0.0	+0.5	-0.5	70,681	71,877	72,889	70,350	+0.5	759,026	733,714
Machinery and equipment	72,183	64,156	62,064	+12.5	+3.4	+1.0	71,561	64,434	66,923	54,942	+30.2	666,796	613,524
Business supplies	25,820	26,142	25,921	-1.2	+0.9	+1.5	26,359	26,786	26,786	25,604	+2.9	281,528	269,486
Construction materials and supplies	20,703	21,176	21,171	-2.2	0.0	+1.4	20,208	22,258	22,726	19,603	+3.1	231,497	217,277
Defense products	6,298	5,239	5,814	+20.2	-9.9	+0.2	6,601	5,030	5,733	9,224	-28.4	62,911	72,018
Other materials, supplies and and intermediate products	115,900	115,920	117,530	0.0	-1.4	-0.7	112,706	120,460	120,534	108,389	+4.0	1,265,014	1,193,581
Durable goods industries :													
Nondefense capital goods ³	59,098	49,930	48,625	+18.4	+2.7	+1.3	58,249	48,604	54,097	42,746	+36.3	517,357	476,246
Excluding aircraft and parts	40,989	41,618	42,544	-1.5	-2.2	+6.1	40,293	40,937	47,512	36,560	+10.2	435,114	397,852
Defense capital goods ⁴	5,948	4,725	5,449	+25.9	-13.3	+2.7	6,283	4,469	5,405	8,716	-27.9	58,520	68,052
Durables excluding capital goods	129,890	131,373	132,136	-1.1	-0.6	-0.6	128,398	140,720	136,907	121,044	+6.1	1,424,013	1,323,840
Miscellaneous series :													
Producers' durable equipment	130,041	123,496	119,873	+5.3	+3.0	+1.8	129,488	126,941	128,330	108,797	+19.0	1,290,808	1,197,110
Household durable goods	10,531	9,971	10,336	+5.6	-3.5	+10.6	10,817	10,885	11,820	9,086	+19.1	109,245	100,160
Information technology industries	22,355	22,321	22,902	+0.2	-2.5	+2.8	22,388	21,049	26,896	20,519	+9.1	239,662	215,062
Health care equipment and products	11,190	11,294	11,284	-0.9	+0.1	+2.0	11,113	11,669	12,221	10,888	+2.1	121,448	114,385

^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 mater handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engin 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, ta 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 Nov. 97/96
	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Nov. 1996	
UNFILLED ORDERS											
All manufacturing industries	542,460	530,498	527,931	+2.3	+0.5	+0.2	537,628	527,504	522,706	511,547	+5.1
Market categories :											
Automotive equipment	2,449	2,459	2,428	-0.4	+1.3	-0.2	2,378	2,425	2,421	2,208	+7.7
Home goods and apparel	10,253	9,572	9,293	+7.1	+3.0	+4.6	9,407	9,403	9,572	8,051	+16.8
Consumer staples	2,172	2,285	2,318	-4.9	-1.4	-2.1	2,151	2,296	2,460	2,117	+1.6
Machinery and equipment	249,867	237,884	234,197	+5.0	+1.6	+0.1	249,884	237,766	233,157	230,231	+8.5
Business supplies	6,982	6,998	6,905	-0.2	+1.3	-1.6	6,839	6,873	6,957	6,547	+4.5
Construction materials and supplies	17,572	17,552	17,230	+0.1	+1.9	+0.1	17,163	17,303	17,282	15,578	+10.2
Defense products	98,831	99,916	101,575	-1.1	-1.6	-0.7	96,942	97,732	99,381	102,572	-5.5
Other materials, supplies and and intermediate products	154,334	153,832	153,985	+0.3	-0.1	+0.7	152,864	153,706	151,476	144,243	+6.0
Durable goods industries :											
Nondefense capital goods ³	267,082	255,533	252,771	+4.5	+1.1	+0.1	267,398	255,463	251,751	251,120	+6.5
Excluding aircraft and parts	101,823	101,468	100,556	+0.3	+0.9	+1.3	102,139	101,398	99,536	96,497	+5.8
Defense capital goods ⁴	103,323	104,368	106,134	-1.0	-1.7	-0.7	101,355	102,166	103,976	107,154	-5.4
Durables excluding capital goods	145,626	144,266	142,836	+0.9	+1.0	+0.9	143,392	144,328	140,734	128,646	+11.5
Miscellaneous series :											
Producers' durable equipment	290,177	277,344	272,091	+4.6	+1.9	+0.2	289,723	277,350	271,354	264,338	+9.6
Household durable goods	7,016	6,552	6,455	+7.1	+1.5	+3.9	6,645	6,635	6,699	5,030	+32.1
Information technology industries	38,137	38,391	38,722	-0.7	-0.9	-0.3	38,474	38,564	38,641	36,893	+4.3
Health care equipment and products	8,174	8,062	7,977	+1.4	+1.1	-0.1	8,371	8,214	7,859	7,926	+5.6
TOTAL INVENTORIES											
All manufacturing industries	453,921	452,139	449,152	+0.4	+0.7	+0.2	454,407	453,221	448,616	435,162	+4.4
Market categories :											
Automotive equipment	8,140	8,269	8,496	-1.6	-2.7	+3.2	8,142	8,298	8,534	8,127	+0.2
Home goods and apparel	32,791	32,873	32,763	-0.2	+0.3	-0.1	31,491	32,276	32,630	30,246	+4.1
Consumer staples	70,821	70,419	69,507	+0.6	+1.3	+0.8	72,240	72,463	70,262	68,737	+5.1
Machinery and equipment	115,949	115,149	113,192	+0.7	+1.7	-0.5	117,280	115,615	112,739	108,525	+8.1
Business supplies	27,264	27,104	26,993	+0.6	+0.4	+0.9	27,098	27,164	27,142	26,024	+4.1
Construction materials and supplies	27,815	27,653	27,636	+0.6	+0.1	+0.2	27,451	27,317	27,388	26,330	+4.3
Defense products	15,742	15,835	16,029	-0.6	-1.2	+1.4	15,780	15,983	16,287	16,389	-3.7
Other materials, supplies and and intermediate products	155,399	154,837	154,536	+0.4	+0.2	0.0	154,925	154,105	153,634	150,784	+2.7
Durable goods industries :											
Nondefense capital goods ³	109,764	109,067	107,231	+0.6	+1.7	-0.8	111,193	109,676	106,839	103,108	+7.8
Excluding aircraft and parts	72,292	72,153	71,769	+0.2	+0.5	-0.5	73,021	72,468	71,486	71,635	+1.9
Defense capital goods ⁴	15,959	16,070	16,298	-0.7	-1.4	+1.2	16,004	16,256	16,613	16,690	-4.1
Durables excluding capital goods	158,679	158,340	158,233	+0.2	+0.1	+0.4	157,944	157,741	157,660	152,814	+3.4
Miscellaneous series :											
Producers' durable equipment	185,012	184,188	182,349	+0.4	+1.0	-0.4	185,979	184,403	181,708	175,585	+5.9
Household durable goods	16,409	16,377	16,309	+0.2	+0.4	-0.4	15,971	16,196	16,197	15,403	+3.7
Information technology industries	34,895	34,831	34,943	+0.2	-0.3	-1.0	35,380	35,133	34,867	35,032	+1.0
Health care equipment and products	18,403	18,147	17,755	+1.4	+2.2	+1.8	18,498	18,272	17,711	16,649	+11.1

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
	Nov. 1997 ^a	Oct. 1997 ^a	Sept. 1997	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1997 ^a	Oct. 1997 ^a	Sept. 1997	Nov. 1996	Nov. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	148,046	148,806	148,666	-0.5	+0.1	+0.9	148,204	149,648	148,698	145,173	+2.1
Durable goods industries	87,039	87,261	87,175	-0.3	+0.1	+0.9	87,708	88,035	87,713	84,808	+3.4
Stone, clay, and glass products	2,963	2,927	2,918	+1.2	+0.3	+1.6	2,949	2,934	2,926	2,851	+3.4
Primary metals	7,946	8,087	8,041	-1.7	+0.6	+0.1	8,107	8,260	8,095	7,957	+1.9
Fabricated metal products	10,566	10,545	10,604	+0.2	-0.6	+1.3	10,494	10,460	10,564	10,196	+2.9
Industrial machinery and equipment	18,402	18,436	18,378	-0.2	+0.3	+1.4	18,623	18,580	18,569	18,231	+2.2
Electronic and other											
electrical equipment	13,730	13,636	13,675	+0.7	-0.3	+0.3	13,710	13,793	13,814	13,540	+1.3
Transportation equipment	14,560	14,846	14,883	-1.9	-0.2	+1.2	14,674	14,882	14,868	13,988	+4.9
Instruments and related products	8,612	8,548	8,477	+0.7	+0.8	+1.0	8,551	8,543	8,505	7,688	+11.2
Lumber, furniture and											
miscellaneous durable goods	10,260	10,236	10,199	+0.2	+0.4	+0.8	10,600	10,583	10,372	10,357	+2.3
Nondurable goods industries	61,007	61,545	61,491	-0.9	+0.1	+0.9	60,496	61,613	60,985	60,365	+0.2
Food and kindred products	10,848	11,186	11,271	-3.0	-0.8	+0.6	11,110	11,608	10,924	11,773	-5.6
Tobacco products	5,240	5,294	5,217	-1.0	+1.5	+0.6	5,117	5,181	5,054	4,799	+6.6
Textile mill products	3,066	3,121	3,170	-1.8	-1.5	-0.1	2,986	3,026	3,088	2,996	-0.3
Paper and allied products	7,747	7,748	7,740	0.0	+0.1	+0.7	7,748	7,772	7,738	7,904	-2.0
Chemicals and allied products	14,555	14,499	14,581	+0.4	-0.6	+1.5	14,470	14,450	14,623	13,786	+5.0
Petroleum and coal products	3,680	3,679	3,603	0.0	+2.1	+0.6	3,545	3,708	3,589	3,543	+0.1
Rubber and plastics products	6,324	6,318	6,273	+0.1	+0.7	+1.0	6,235	6,238	6,237	6,088	+2.4
Apparel, printing and publishing											
and leather goods	9,547	9,700	9,636	-1.6	+0.7	+0.9	9,285	9,630	9,732	9,476	-2.0
WORK IN PROCESS											
All manufacturing industries	145,545	144,027	142,353	+1.1	+1.2	-0.3	147,082	145,487	143,457	138,464	+6.2
Durable goods industries	116,281	115,099	113,995	+1.0	+1.0	-0.6	117,233	115,573	114,551	111,232	+5.4
Stone, clay, and glass products	1,282	1,285	1,281	-0.2	+0.3	+0.8	1,184	1,207	1,241	1,166	+1.5
Primary metals	8,800	8,723	8,759	+0.9	-0.4	-0.8	8,635	8,622	8,766	8,580	+0.6
Fabricated metal products	8,122	8,080	8,112	+0.5	-0.4	+0.3	8,083	8,095	8,212	7,561	+6.9
Industrial machinery and equipment	23,105	22,937	22,723	+0.7	+0.9	-0.4	23,429	23,047	22,776	22,880	+2.4
Electronic and other											
electrical equipment	15,098	14,985	15,057	+0.8	-0.5	-0.1	15,212	15,038	15,075	15,303	-0.6
Transportation equipment	44,728	44,156	43,030	+1.3	+2.6	-0.8	45,570	44,617	43,329	40,709	+11.9
Instruments and related products	9,846	9,710	9,839	+1.4	-1.3	-2.0	9,914	9,714	9,883	10,171	-2.5
Lumber, furniture and											
miscellaneous durable goods	5,300	5,223	5,194	+1.5	+0.6	+1.3	5,206	5,233	5,269	4,862	+7.1
Nondurable goods industries	29,264	28,928	28,358	+1.2	+2.0	+0.7	29,849	29,914	28,906	27,232	+9.6
Food and kindred products	5,394	5,340	5,242	+1.0	+1.9	-0.1	5,949	6,139	5,489	5,497	+8.2
Tobacco products	94	111	138	-15.3	-19.6	-22.9	155	157	154	398	-61.1
Textile mill products	2,621	2,635	2,575	-0.5	+2.3	+0.8	2,615	2,639	2,594	2,519	+3.8
Paper and allied products	1,779	1,777	1,782	+0.1	-0.3	+2.7	1,720	1,720	1,771	1,628	+5.7
Chemicals and allied products	8,274	8,121	7,681	+1.9	+5.7	+2.2	8,267	8,118	7,718	6,596	+25.3
Petroleum and coal products	2,730	2,705	2,683	+0.9	+0.8	+2.0	2,720	2,737	2,718	2,720	0.0
Rubber and plastics products	2,210	2,189	2,303	+1.0	-5.0	+1.6	2,245	2,216	2,292	2,131	+5.3
Apparel, printing and publishing											
and leather goods	6,162	6,050	5,954	+1.9	+1.6	-1.0	6,178	6,188	6,170	5,743	+7.6
FINISHED GOODS											
All manufacturing industries	160,330	159,306	158,133	+0.6	+0.7	-0.1	159,121	158,086	156,461	151,525	+5.0
Durable goods industries	81,082	81,117	80,592	0.0	+0.7	-0.4	80,200	80,065	78,848	76,572	+4.7
Stone, clay, and glass products	4,549	4,418	4,545	+3.0	-2.8	-0.4	4,336	4,177	4,398	4,178	+3.8
Primary metals	8,153	8,065	8,011	+1.1	+0.7	-0.2	8,009	7,802	7,865	7,816	+2.5
Fabricated metal products	10,448	10,404	10,152	+0.4	+2.5	+0.7	10,126	10,059	9,841	9,168	+10.4
Industrial machinery and equipment	19,098	19,114	18,983	-0.1	+0.7	-1.7	19,175	18,919	18,249	18,653	+2.8
Electronic and other											
electrical equipment	11,348	11,427	11,232	-0.7	+1.7	-2.2	11,274	11,421	11,032	10,806	+4.3
Transportation equipment	9,328	9,501	9,648	-1.8	-1.5	+2.9	9,242	9,619	9,667	8,751	+5.6
Instruments and related products	6,649	6,642	6,582	+0.1	+0.9	0.0	6,808	6,817	6,630	6,629	+2.7
Lumber, furniture and											
miscellaneous durable goods	11,509	11,546	11,439	-0.3	+0.9	-0.2	11,230	11,251	11,166	10,571	+6.2
Nondurable goods industries	79,248	78,189	77,541	+1.4	+0.8	+0.1	78,921	78,021	77,613	74,953	+5.3
Food and kindred products	19,280	18,987	18,795	+1.5	+1.0	+0.1	20,129	19,893	19,661	19,148	+5.1
Tobacco products	882	762	711	+15.7	+7.2	-8.3	1,093	933	704	1,147	-4.7
Textile mill products	4,556	4,558	4,564	0.0	-0.1	-0.1	4,441	4,450	4,428	4,322	+2.8
Paper and allied products	6,624	6,554	6,576	+1.1	-0.3	+0.8	6,518	6,383	6,476	6,524	-0.1
Chemicals and allied products	21,609	21,274	20,944	+1.6	+1.6	+0.9	21,375	20,884	20,564	20,122	+6.2
Petroleum and coal products	6,177	6,079	6,164	+1.6	-1.4	-0.9	6,198	6,091	6,276	5,981	+3.6
Rubber and plastics products	7,966	7,868	7,742	+1.2	+1.6	-1.8	7,656	7,542	7,450	7,085	+8.1
Apparel, printing and publishing											
and leather goods	12,154	12,107	12,045	+0.4	+0.5	+0.6	11,511	11,845	12,054	10,624	+8.3

^a Preliminary. ^r Revised.

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			
	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Aug. 1997	Nov. 1997 ^p	Oct. 1997 ^r	Sept. 1997	Aug. 1997
All manufacturing industries	1.36	1.35	1.34	1.36	2.88	2.82	2.78	2.84
Durable goods industries	1.55	1.54	1.52	1.56	3.42	3.35	3.30	3.38
Stone, clay, and glass products	1.15	1.13	1.13	1.15	0.90	0.90	0.87	0.88
Primary metals	1.62	1.60	1.59	1.62	2.22	2.16	2.15	2.16
Fabricated metal products	1.51	1.50	1.48	1.50	1.50	1.48	1.46	1.46
Industrial machinery and equipment	1.79	1.74	1.71	1.77	2.28	2.25	2.24	2.30
Electronic and other electrical equipment	1.31	1.32	1.29	1.33	1.81	1.84	1.80	1.83
Transportation equipment	1.57	1.59	1.56	1.58	11.14	11.25	10.91	11.30
Instruments and related products	1.89	1.81	1.80	1.91	3.63	3.49	3.49	3.74
Nondurable goods industries	1.13	1.12	1.12	1.12	0.70	0.70	0.70	0.71
Food and kindred products	0.87	0.88	0.89	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.78	1.81	1.80	1.91	(X)	(X)	(X)	(X)
Textile mill products	1.48	1.50	1.49	1.51	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.15	1.16	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.34	1.31	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.81	0.80	0.79	(X)	(X)	(X)	(X)
Rubber and plastics products	1.31	1.28	1.29	1.33	(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; chemical and allied 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		
	Nov. ¹ 1997	Nov. ² 1992-1996	Nov. 1996-Oct. 1997	Nov. ¹ 1997	Nov. ² 1992-1996	Nov. 1996-Oct. 1997	Nov. ¹ 1997	Nov. ² 1992-1996	Nov. 1996-Oct. 1997	Nov. ¹ 1997	Nov. ² 1992-1996	Nov. 1996-Oct. 1997
All manufacturing industries	(X)	0.2	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.1	0.3	0.2	0.0	0.2	0.3	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.4	0.5	(X)	0.4	1.1	(X)	0.5	0.9	(X)	0.1	0.2
Primary metals	-0.3	0.5	0.2	-0.7	0.5	0.7	-0.2	0.2	0.3	(X)	0.1	0.0
Fabricated metal products	(X)	0.5	0.3	(X)	0.9	0.6	(X)	0.4	0.4	(X)	0.1	0.1
Industrial machinery and equipment	-0.1	0.8	0.6	-0.3	1.0	0.8	-0.1	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.6	0.5	0.5	0.6	0.5	1.2	0.0	0.3	0.5	(X)	0.1	0.1
Transportation equipment	0.5	0.4	0.3	0.7	0.4	0.9	0.0	0.1	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.3	0.5	(X)	0.9	1.3	(X)	0.2	0.3	(X)	0.2	0.2
Nondurable goods industries	(X)	0.0	0.2	(X)	0.1	0.2	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Tobacco products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.4	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5
Rubber and plastics products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense	0.5	0.4	0.4	0.5	0.7	0.7	0.0	0.2	0.1	(X)	0.1	0.2
Defense	0.1	0.5	0.8	1.0	1.8	2.7	0.1	0.1	0.2	(X)	0.2	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 durable goods industries are shown in the advance report for the month.

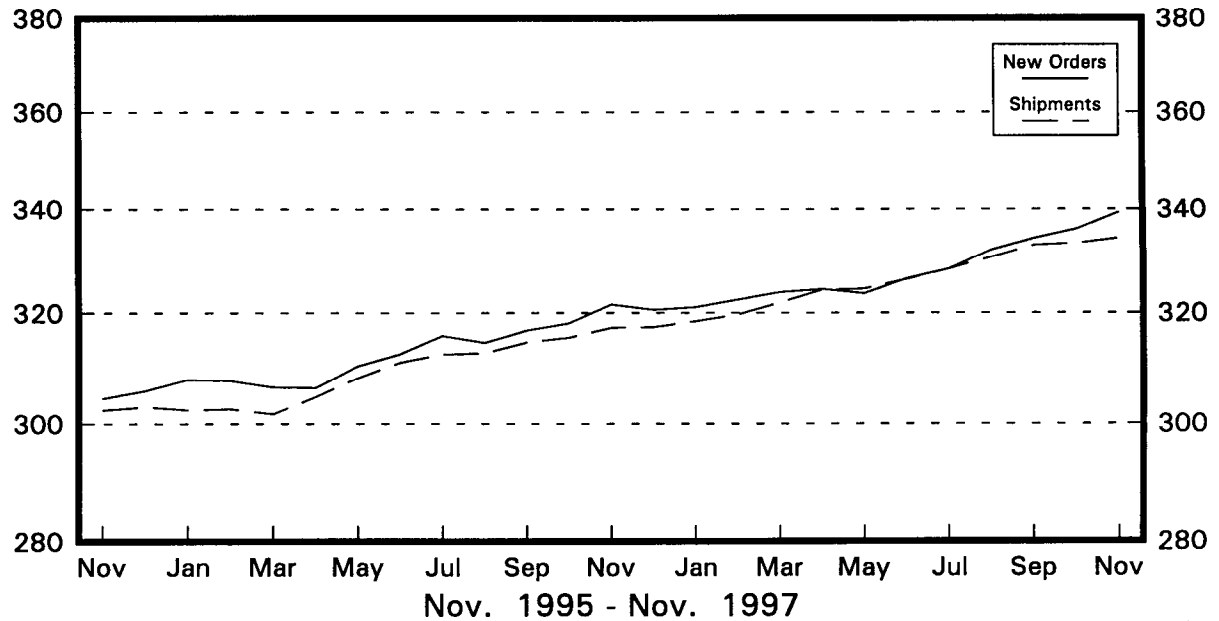
¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

Total Manufacturing

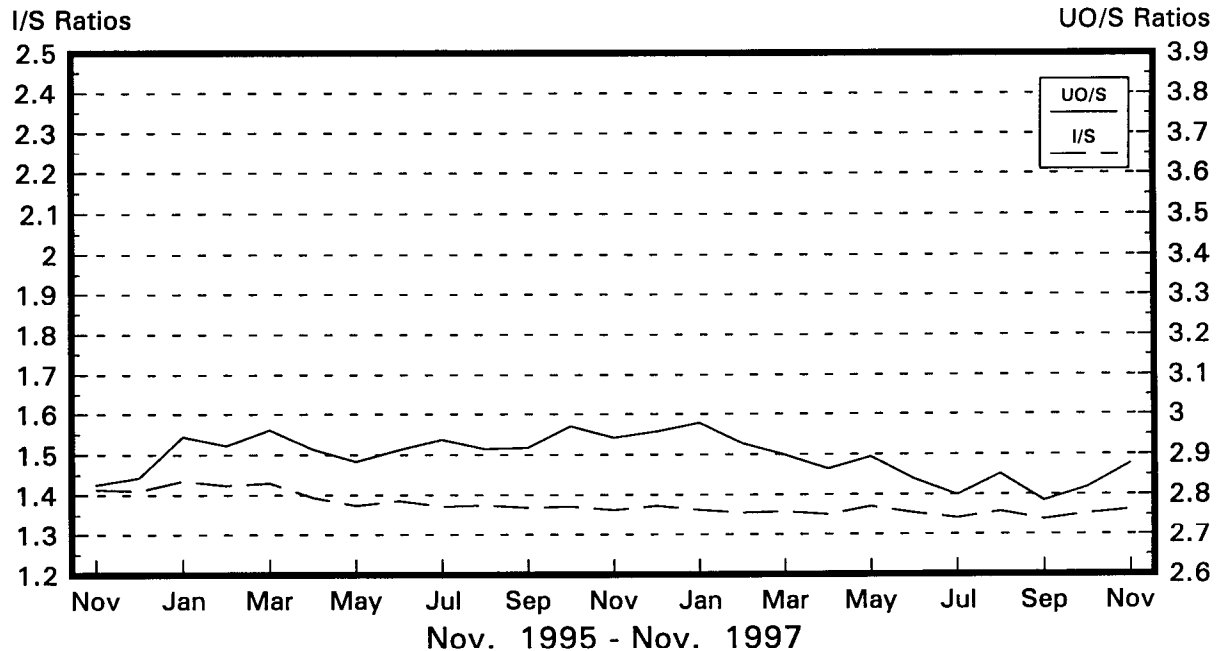
New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

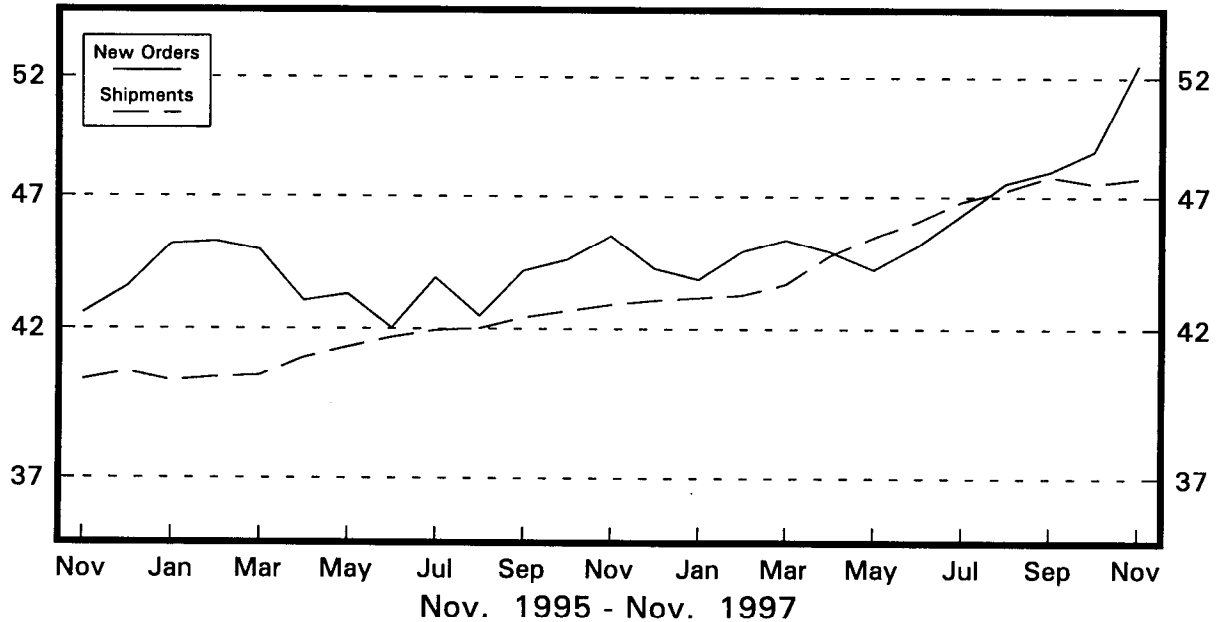


Note: All Charts based on seasonally
adjusted current dollars.

Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages

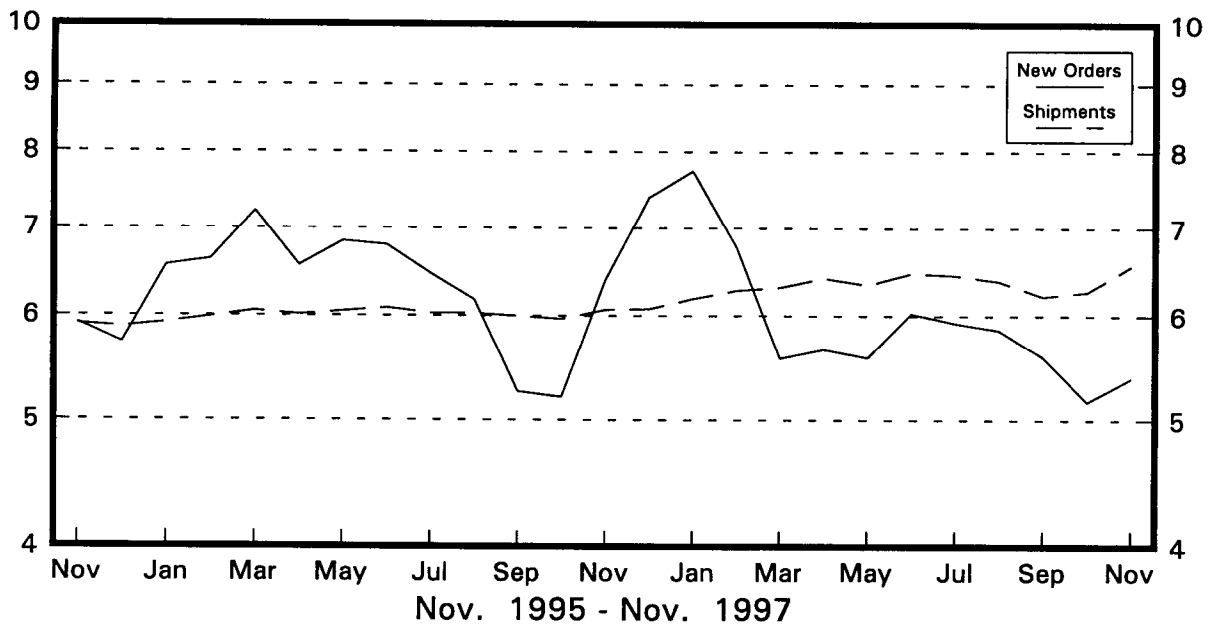
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.