



U. S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Manufacturers' Shipments Inventories, and Orders

**August 1997**

M3-1-(97)-0

For Wire Transmissions 10:00 a.m. E.D.T. October 2, 1997

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

## Summary

New orders for manufactured goods in August increased \$4.3 billion or 1.3 percent to \$335.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.5 percent July increase and is the third consecutive monthly increase. Excluding transportation, new orders increased 0.8 percent, following a 1.0 percent July increase. Year to date, new orders are 5.2 percent above the same period a year ago.

Shipments decreased \$2.5 billion or 0.8 percent to \$330.4 billion, following a 1.4 percent July increase. This is the first decline since May and the third this year. Year to date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, up three of the last four months, increased \$5.1 billion or 1.0 percent to \$527.2 billion, following a 0.3 percent July decrease. The unfilled orders-to-shipments ratio was 2.86, up from 2.80 in July.

Inventories, up thirteen of the last fourteen months, increased \$1.9 billion or 0.4 percent to \$448.5 billion, following a 0.4 percent July increase. The inventories-to-shipments ratio was 1.36, up from 1.34 in July.

## New Orders

New orders for manufactured durable goods in August increased \$4.9 billion or 2.7 percent to \$186.5 billion, unrevised from the previously published 2.7 percent increase. This follows a 0.1 percent July increase and is the third consecutive monthly increase.

Electronic and other electrical equipment, up for the first month since May, had the largest increase, \$7.5 billion or 28.4 percent to \$33.8 billion, mostly due to electronic components. This follows a 12.2 percent July decrease. Transportation equipment, up two of the last three months, increased \$2.1 billion or 5.0 percent to \$43.8 billion, as a large increase in aircraft and parts more than offset decreases in the other components. This follows a 2.7 percent July decrease. Instruments and related products, down for the first month since May, decreased \$2.6 billion or 16.8 percent to \$12.8 billion. This follows increases of 15.2 percent in July and 7.4 percent in June. Primary metals, down for the first month since May, decreased \$0.6 billion or 3.8 percent to \$15.6 billion, following a 3.6 percent July increase. Industrial machinery and equipment, down for the first month since May, decreased \$0.4 billion or 1.0 percent to \$34.7 billion. This follows a 6.1 percent July increase.

New orders for nondurable goods, down for the first month since May, decreased \$0.6 billion or 0.4 percent to \$148.9 billion, following a 1.0 percent July increase. Declines, led by printing and publishing, paper and allied products, and textile mill products, more than offset increases led by petroleum and coal products.

## Shipments

Shipments of durable goods in August, down for the first month since May, decreased \$2.7 billion or 1.4 percent to \$181.2 billion, unrevised from the previously published 1.4 percent decline. This follows a 1.7 percent July increase.

Transportation equipment, down for the first month since May, had the largest decrease, \$1.0 billion or 2.3 percent to \$43.0 billion, due to aircraft

and parts and motor vehicles and parts. This follows a 3.6 percent July increase. Industrial machinery and equipment, also down for the first month since May, decreased \$0.8 billion or 2.2 percent to \$34.2 billion, following a 1.9 percent July increase. Instruments and related products decreased \$0 billion or 2.1 percent to \$13.1 billion. This follows increases of 1.1 percent in July and 4.3 percent in June. Stone, clay, and glass products, down three of the last four months, decreased \$0.3 billion or 3.4 percent to \$7.6 billion. This follows a 4.8 percent July increase. Primary metals decreased \$0 billion or 1.3 percent to \$15.4 billion, following increases of 0.9 percent in July and 1.7 percent in June. Electronic and other electrical equipment, up three of the last four months, increased \$0.6 billion or 2.0 percent to \$30 billion. This follows a 0.6 percent July decrease.

Shipments of nondurable goods, up for the second consecutive month, increased \$0.2 billion or 0.1 percent to \$149.2 billion. This follows a 1 percent July increase. Petroleum and coal products had the largest increase, \$0.9 billion or 6.0 percent to \$16.1 billion. This follows a 1.5 percent July increase.

## Unfilled Orders

Unfilled orders for durable goods in August increased \$5.4 billion or 1 percent to \$501.3 billion, unrevised from the previously published 1 percent increase. This follows a 0.4 percent July decrease and is the third increase in the last four months.

Electronic and other electrical equipment, up three of the last four months, had the largest increase, \$3.9 billion or 7.6 percent to \$55.3 billion. This follows a 5.5 percent July decrease. Transportation equipment increase \$0.9 billion or 0.4 percent to \$250.5 billion, due to aircraft and parts. This follows a 0.9 percent July decrease and is the second increase in the last three months. Industrial machinery and equipment, up for the second consecutive month, increased \$0.6 billion or 0.8 percent to \$73.5 billion, following a 0.2 percent July increase. Primary metals, up for the eighth consecutive month, increased \$0.3 billion or 0.9 percent to \$32.0 billion, following a 2.2 percent July increase. Instruments and related products, down for the first month since May, decreased \$0.3 billion or 0.5 percent to \$49.0 billion, following a 4.4 percent July increase.

## Inventories

Inventories of durable goods in August, up thirteen of the last fourteen months, increased \$1.3 billion or 0.5 percent to \$282.1 billion. This follows a 0.6 percent July increase. Transportation equipment, up for the twentieth consecutive month, increased \$0.6 billion or 0.9 percent to \$67.5 billion. This follows a 0.8 percent July increase. Primary metals, up for the fourth consecutive month, increased \$0.2 billion or 0.6 percent to \$25.0 billion, following a 0.2 percent July increase. Industrial machinery and equipment, up for the fifth consecutive month, increased \$0.1 billion or 0.2 percent to \$60.3 billion. This follows a 0.7 percent July increase.

Inventories of nondurable goods, up twelve of the last thirteen months, increased \$0.7 billion or 0.4 percent to \$166.5 billion, following a 0 percent July increase. Led by petroleum and coal products and food and kindred products, nearly all industries increased.

By stage of fabrication, August finished goods increased 0.8 percent in durables and 0.5 percent in nondurables. Work in process increased 0.8 percent in durables and 1.2 percent in nondurables. Materials and supplies decreased 0.3 percent in durables and 0.1 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 <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1997 <sup>a</sup>	July 1997 <sup>a</sup>	June 1997	July-Aug.	June-July	May-June	Aug. 1997 <sup>a</sup>	July 1997 <sup>a</sup>	June 1997	Aug. 1996	Aug. 97/96	1997 <sup>a</sup>	1996
All manufacturing industries . . . . .	330,389	332,895	328,315	-0.8	+1.4	+1.5	331,993	299,786	350,833	316,500	+4.9	2,580,603	2,440,500
Manufacturing Industries													
with unfilled orders . . . . .	184,439	186,534	184,533	-1.1	+1.1	+2.2	183,713	165,286	200,916	172,750	+6.3	1,431,680	1,341,765
without defense capital goods . . .	324,208	326,549	321,653	-0.7	+1.5	+1.4	326,066	294,187	343,591	310,675	+5.0	2,531,652	2,394,047
Durable goods industries . . . . .	181,168	183,827	180,687	-1.4	+1.7	+2.7	178,846	156,290	197,634	167,484	+6.8	1,404,324	1,305,301
With unfilled orders . . . . .	147,809	149,492	148,046	-1.1	+1.0	+2.4	145,401	129,870	163,274	135,334	+7.4	1,144,746	1,058,872
Stone, clay, and glass products . . . .	7,593	7,858	7,500	-3.4	+4.8	-0.7	8,143	7,847	8,181	7,557	+7.8	60,291	54,840
Primary metals . . . . .	15,367	15,569	15,425	-1.3	+0.9	+1.7	15,308	14,101	16,236	14,463	+5.8	123,135	115,839
Blast furnaces, steel mills . . . . .	6,172	6,263	6,287	-1.5	-0.4	+3.4	6,147	5,729	6,566	6,056	+1.5	50,107	48,350
Iron and steel foundries . . . . .	1,473	1,560	1,445	-5.6	+8.0	+1.6	1,532	1,272	1,555	1,475	+3.9	11,744	11,098
Nonferrous and other primary metals . . . . .	7,722	7,746	7,693	-0.3	+0.7	+0.4	7,629	7,100	8,115	6,932	+10.1	61,284	56,391
Fabricated metal products . . . . .	19,095	19,042	18,885	+0.3	+0.8	+1.7	19,659	16,916	20,119	18,836	+4.4	149,616	141,882
Industrial machinery and equipment . .	34,168	34,949	34,284	-2.2	+1.9	+3.7	31,869	29,593	39,738	29,817	+6.9	263,028	246,258
Engines and turbines . . . . .	1,955	1,987	1,903	-1.6	+4.4	+0.7	1,695	1,399	2,209	1,536	+10.4	14,171	13,941
Farm and garden machinery . . . . .	2,170	2,261	2,049	-4.0	+10.3	+3.6	1,801	1,783	2,041	1,583	+13.8	17,233	15,767
Construction, mining and material handling equipment . . . . .	3,935	3,858	3,759	+2.0	+2.6	+1.2	3,801	3,477	4,046	3,339	+13.8	30,342	27,530
Metalworking machinery . . . . .	3,515	3,587	3,558	-2.0	+0.8	+3.5	3,325	3,008	3,961	2,938	+13.2	26,023	23,061
Computer and office equipment . . . .	9,384	9,473	9,328	-0.9	+1.6	+5.9	8,380	7,205	12,382	7,758	+8.0	67,996	62,657
Electronic and other electrical equipment . . . . .	29,956	29,370	29,561	+2.0	-0.6	+2.9	29,382	25,362	32,362	26,037	+12.8	223,759	205,061
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,241	3,352	3,275	-3.3	+2.4	+1.1	3,198	3,019	3,669	3,137	+1.9	25,825	24,747
Household appliances . . . . .	1,986	1,987	2,078	-0.1	-4.4	+6.9	2,073	1,849	2,398	2,024	+2.4	16,035	15,619
Electric lighting and wiring equipment . . . . .	2,127	2,152	2,082	-1.2	+3.4	-1.6	2,112	1,809	2,160	2,021	+4.5	16,460	15,536
Household audio and video equipment . . . . .	1,281	1,287	1,412	-0.5	-8.9	+4.4	1,367	1,127	1,281	1,380	-0.9	9,396	8,802
Communications equipment . . . . .	6,932	6,653	6,523	+4.2	+2.0	+2.8	6,320	5,627	7,473	5,025	+25.8	47,209	41,007
Electronic components . . . . .	12,297	11,931	12,023	+3.1	-0.8	+3.6	12,260	10,342	13,058	10,312	+18.9	92,531	82,808
Transportation equipment . . . . .	42,954	43,943	42,415	-2.3	+3.6	+3.3	42,101	32,018	45,576	39,759	+5.9	331,724	307,363
Motor vehicles and parts . . . . .	30,084	30,313	28,945	-0.8	+4.7	+4.1	29,900	19,961	30,582	28,543	+4.8	231,320	221,292
Aircraft, missiles, space vehicles, and parts . . . . .	10,203	10,977	10,494	-7.1	+4.6	-0.2	9,567	9,692	11,837	8,650	+10.6	79,039	64,241
Shipbuilding and tanks . . . . .	886	918	931	-3.5	-1.4	-7.0	859	856	1,039	795	+8.1	7,058	7,154
Instruments and related products . . . .	13,051	13,328	13,189	-2.1	+1.1	+4.3	12,743	11,959	14,513	12,070	+5.6	101,607	95,104
Search and navigation equipment . . .	2,640	2,751	2,706	-4.0	+1.7	+4.9	2,550	2,441	2,938	2,425	+5.2	20,572	19,043
Measuring and controlling devices . .	3,987	4,043	3,999	-1.4	+1.1	+6.4	3,959	3,501	4,297	3,664	+8.1	30,346	28,489
Medical instruments and supplies . . .	4,067	4,152	4,173	-2.0	-0.5	+4.0	3,982	3,828	4,619	3,869	+2.9	32,196	30,270
Photographic goods . . . . .	1,885	1,909	1,860	-1.3	+2.6	-0.2	1,776	1,712	2,162	1,733	+2.5	14,900	14,413
All other durable goods . . . . .	18,984	19,768	19,428	-4.0	+1.8	+1.5	19,641	18,494	20,909	18,945	+3.7	151,164	138,954
Nondurable goods industries . . . . .	149,221	149,068	147,628	+0.1	+1.0	0.0	153,147	143,496	153,199	149,016	+2.8	1,176,279	1,135,199
With unfilled orders . . . . .	36,630	37,042	36,487	-1.1	+1.5	+1.3	38,312	35,416	37,642	37,416	+2.4	286,934	282,893
Food and kindred products . . . . .	40,168	40,251	40,071	-0.2	+0.4	-0.4	40,797	38,735	40,765	40,413	+1.0	315,834	307,794
Meat products . . . . .	9,047	9,012	8,888	+0.4	+1.4	-0.3	9,382	8,861	9,022	9,308	+0.8	70,613	69,260
Dairy products . . . . .	5,048	5,001	4,949	+0.9	+1.1	-3.2	5,144	4,844	5,067	5,159	-0.3	39,791	38,640
Beverages . . . . .	5,843	5,880	5,723	-0.6	+2.7	-1.8	6,351	6,280	6,509	6,213	+2.2	47,179	46,166
All other foods, except fats and oils .	18,239	18,445	18,599	-1.1	-0.8	+0.9	17,929	16,837	18,255	17,760	+1.0	142,207	138,521
Tobacco products . . . . .	3,185	3,180	3,189	+0.2	-0.3	-0.2	3,325	3,180	3,219	3,119	+6.6	25,163	22,708
Textile mill products . . . . .	6,776	6,951	6,716	-2.5	+3.5	-0.8	7,165	6,220	7,456	6,923	+3.5	53,966	51,565
Broadwoven fabrics and other textiles . . . . .	4,091	4,273	4,100	-4.3	+4.2	-0.9	4,283	3,672	4,450	4,291	-0.2	33,213	32,223
Paper and allied products . . . . .	13,339	13,364	13,327	-0.2	+0.3	+0.9	13,641	13,047	13,959	13,614	+0.2	106,502	108,780
Pulp, paper, and paperboard mill products . . . . .	5,246	5,200	5,123	+0.9	+1.5	-0.9	5,377	5,157	5,353	5,426	-0.9	41,994	44,201
Paperboard containers and boxes . . .	3,184	3,233	3,212	-1.5	+0.7	0.0	3,267	3,125	3,295	3,338	-2.1	25,957	26,607
Miscellaneous converted paper products . . . . .	4,909	4,931	4,992	-0.4	-1.2	+3.5	4,997	4,765	5,311	4,850	+3.0	38,551	37,972
Chemicals and allied products . . . . .	32,650	32,748	32,756	-0.3	0.0	-0.6	32,344	31,112	34,515	31,217	+3.6	262,498	247,201
Industrial chemicals . . . . .	15,890	15,921	15,823	-0.2	+0.6	-0.4	16,097	15,447	16,732	15,581	+3.3	128,979	122,272
Drugs, soaps, and toiletries . . . . .	12,741	12,836	12,919	-0.7	-0.6	-0.1	12,537	11,931	13,170	12,055	+4.0	98,917	91,805
Petroleum and coal products . . . . .	16,129	15,211	14,981	+6.0	+1.5	-0.8	16,718	15,350	15,669	15,620	+7.0	122,570	115,461
Rubber and plastics products . . . . .	12,363	12,508	12,268	-1.2	+2.0	+0.8	12,646	11,610	13,106	12,340	+2.5	99,770	96,784
All other nondurable goods . . . . .	24,611	24,855	24,320	-1.0	+2.2	+1.2	26,511	24,242	24,510	25,770	+2.9	189,976	184,892

<sup>a</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> 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 <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1997 <sup>a</sup>	July 1997 <sup>a</sup>	June 1997	July-Aug.	June-July	May-June	Aug. 1997 <sup>a</sup>	July 1997 <sup>a</sup>	June 1997	Aug. 1996	Aug. 97/96	1997 <sup>a</sup>	1996
All manufacturing industries . . . . .	335,457	331,138	329,554	+1.3	+0.5	+1.7	335,893	300,000	348,136	312,787	+7.4	2,596,003	2,467,693
Manufacturing industries													
with unfilled orders . . . . .	189,507	184,777	185,772	+2.6	-0.5	+2.6	187,613	165,500	198,219	169,037	+11.0	1,447,080	1,368,958
without defense capital goods . . . . .	329,416	325,161	323,283	+1.3	+0.6	+1.5	331,316	296,187	341,723	308,988	+7.2	2,553,127	2,418,776
Durable goods industries . . . . .	186,548	181,679	181,584	+2.7	+0.1	+2.9	183,572	155,513	194,554	164,086	+11.9	1,417,661	1,330,377
With unfilled orders . . . . .	153,189	147,344	148,943	+4.0	-1.1	+2.6	150,127	129,093	160,194	131,936	+13.8	1,158,083	1,083,948
Stone, clay, and glass products . . . . .	7,451	7,566	7,593	-1.5	-0.4	+1.1	8,039	7,667	8,169	7,501	+7.2	60,297	54,678
Primary metals . . . . .	15,639	16,258	15,694	-3.8	+3.6	+1.1	15,415	14,829	15,736	14,709	+4.8	126,585	118,279
Blast furnaces, steel mills . . . . .	6,181	6,511	6,460	-5.1	+0.8	+3.6	6,104	6,032	6,390	6,044	+1.0	51,487	49,400
Iron and steel foundries . . . . .	1,508	1,667	1,543	-9.5	+8.0	+2.5	1,483	1,349	1,645	1,499	-1.1	12,407	11,817
Nonferrous and other primary metals . . . . .	7,950	8,080	7,691	-1.6	+5.1	-1.1	7,828	7,448	7,701	7,166	+9.2	62,691	57,062
Fabricated metal products . . . . .	19,092	19,264	19,299	-0.9	-0.2	+3.2	19,570	17,470	20,631	18,947	+3.3	151,962	143,475
Industrial machinery and equipment . . . . .	34,745	35,107	33,103	-1.0	+6.1	+1.1	32,427	30,018	37,482	30,107	+7.7	263,668	247,963
Engines and turbines . . . . .	2,014	1,871	1,464	+7.6	+27.8	-2.2	1,903	1,485	1,791	1,666	+14.2	12,969	13,378
Construction, mining and material handling equipment . . . . .	4,124	4,006	3,853	+2.9	+4.0	+5.3	3,851	3,397	3,971	3,237	+19.0	30,863	27,804
Metalworking machinery . . . . .	3,633	3,425	3,086	+6.1	+11.0	-4.6	3,443	2,846	3,489	2,981	+15.5	25,861	23,758
Computer and office equipment . . . . .	9,267	9,362	8,781	-1.0	+6.6	+1.7	8,280	7,284	11,562	7,871	+5.2	67,038	63,373
Electronic and other electrical equipment . . . . .	33,840	26,365	30,045	+28.4	-12.2	-2.6	34,032	23,487	31,744	25,828	+31.8	232,251	206,574
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,183	3,271	3,188	-2.7	+2.6	-1.3	3,115	3,062	3,452	3,058	+1.9	26,076	25,042
Electric lighting and wiring equipment . . . . .	2,237	2,329	2,053	-4.0	+13.4	-1.7	2,222	1,986	2,131	2,084	+6.6	16,782	15,979
Communications equipment . . . . .	6,775	6,324	7,408	+7.1	-14.6	+10.2	6,152	5,271	8,405	4,623	+33.1	49,458	41,283
Electronic components . . . . .	16,043	9,069	11,733	+76.9	-22.7	-12.7	16,542	8,519	11,770	10,307	+60.5	96,610	82,675
Transportation equipment . . . . .	43,831	41,752	42,905	+5.0	-2.7	+8.8	42,090	28,898	45,570	36,738	+14.6	325,172	325,356
Aircraft, missiles, space vehicles, and parts . . . . .	11,616	8,884	11,272	+30.8	-21.2	+27.4	10,029	6,433	12,121	5,819	+72.3	74,058	82,031
Shipbuilding and tanks . . . . .	509	549	903	-7.3	-39.2	-5.8	424	418	1,168	535	-20.7	5,340	7,308
Instruments and related products . . . . .	12,799	15,387	13,354	-16.8	+15.2	+7.4	12,231	14,005	14,562	11,376	+7.5	104,473	93,725
Search and navigation equipment . . . . .	2,407	4,494	2,878	-46.4	+56.2	+40.7	2,069	3,960	3,119	1,779	+16.3	21,696	17,160
Measuring and controlling devices . . . . .	3,952	4,061	3,925	-2.7	+3.5	+1.0	3,924	3,519	4,223	3,543	+10.8	30,579	28,300
Medical instruments and supplies . . . . .	4,222	4,100	3,972	+3.0	+3.2	-1.7	4,208	3,948	4,222	3,954	+6.4	32,730	30,745
All other durable goods . . . . .	19,151	19,980	19,591	-4.1	+2.0	+1.7	19,768	19,139	20,660	18,880	+4.7	153,253	140,327
Nondurable goods industries . . . . .	148,909	149,459	147,970	-0.4	+1.0	+0.3	152,321	144,487	153,582	148,701	+2.4	1,178,342	1,137,316
With unfilled orders . . . . .	36,318	37,433	36,829	-3.0	+1.6	+2.4	37,486	36,407	38,025	37,101	+1.0	288,997	285,010

<sup>a</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> 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: M3-1 "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 Aug. 97/96
	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	July- Aug.	June- July	May- June	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	Aug. 1996	
All manufacturing industries . . . . .	527,239	522,171	523,928	+1.0	-0.3	+0.2	527,619	523,719	523,505	504,227	+4.6
Manufacturing industries without defense capital goods . . . . .	419,722	414,514	415,902	+1.3	-0.3	+0.4	422,016	416,766	414,766	397,461	+6.2
Durable goods industries . . . . .	501,343	495,963	498,111	+1.1	-0.4	+0.2	500,911	496,185	496,962	479,089	+4.6
Stone, clay, and glass products . . . . .	6,453	6,595	6,887	-2.2	-4.2	+1.4	6,583	6,687	6,867	6,647	-1.0
Primary metals . . . . .	32,025	31,753	31,064	+0.9	+2.2	+0.9	31,888	31,781	31,053	29,632	+7.6
Blast furnaces, steel mills . . . . .	12,851	12,842	12,594	+0.1	+2.0	+1.4	12,915	12,958	12,655	12,558	+2.8
Iron and steel foundries . . . . .	5,000	4,965	4,858	+0.7	+2.2	+2.1	4,955	5,004	4,927	4,254	+16.5
Nonferrous and other primary metals . . . . .	14,174	13,946	13,612	+1.6	+2.5	0.0	14,018	13,819	13,471	12,820	+9.3
Fabricated metal products . . . . .	26,207	26,210	25,988	0.0	+0.9	+1.6	26,576	26,665	26,111	23,782	+11.7
Industrial machinery and equipment . . . . .	73,519	72,942	72,784	+0.8	+0.2	-1.6	72,804	72,246	71,821	72,418	+0.5
Engines and turbines . . . . .	11,647	11,588	11,704	+0.5	-1.0	-3.6	11,499	11,291	11,205	11,731	-2.0
Construction, mining and material handling equipment . . . . .	9,482	9,293	9,145	+2.0	+1.6	+1.0	9,150	9,100	9,180	8,642	+5.9
Metalworking machinery . . . . .	8,048	7,930	8,092	+1.5	-2.0	-5.5	8,048	7,930	8,092	8,863	-9.2
Computer and office equipment . . . . .	8,650	8,767	8,878	-1.3	-1.3	-5.8	8,823	8,923	8,844	10,162	-13.2
Electronic and other electrical equipment . . . . .	55,306	51,422	54,427	+7.6	-5.5	+0.9	56,354	51,704	53,579	50,986	+10.5
Electrical transmission and distribution equipment and industrial apparatus . . . . .	6,542	6,600	6,681	-0.9	-1.2	-1.3	6,553	6,636	6,593	6,380	+2.7
Electric lighting and wiring equipment . . . . .	4,736	4,626	4,449	+2.4	+4.0	-0.6	4,736	4,626	4,449	4,325	+9.5
Communications equipment . . . . .	14,649	14,806	15,135	-1.1	-2.2	+6.2	14,649	14,817	15,173	13,778	+6.3
Electronic components . . . . .	23,056	19,310	22,172	+19.4	-12.9	-1.3	23,840	19,558	21,381	21,199	+12.5
Transportation equipment . . . . .	250,525	249,648	251,839	+0.4	-0.9	+0.2	249,183	249,194	252,314	242,528	+2.7
Aircraft, missiles, space vehicles, and parts. . . . .	219,412	217,999	220,092	+0.6	-1.0	+0.4	217,928	217,466	220,725	210,355	+3.6
Shipbuilding and tanks . . . . .	17,697	18,074	18,443	-2.1	-2.0	-0.2	17,735	18,170	18,608	18,589	-4.6
Instruments and related products . . . . .	49,038	49,290	47,231	-0.5	+4.4	+0.4	48,678	49,190	47,144	45,177	+7.7
Search and navigation equipment . . . . .	29,171	29,404	27,661	-0.8	+6.3	+0.6	28,741	29,222	27,703	26,894	+6.9
Measuring and controlling devices . . . . .	9,980	10,015	9,997	-0.3	+0.2	-0.7	9,980	10,015	9,997	9,535	+4.7
Medical instruments and supplies . . . . .	7,952	7,797	7,849	+2.0	-0.7	-2.5	7,960	7,734	7,614	7,793	+2.1
All other durable goods . . . . .	8,270	8,103	7,891	+2.1	+2.7	+2.1	8,845	8,718	8,073	7,919	+11.7
Non durable goods industries . . . . .	25,896	26,208	25,817	-1.2	+1.5	+1.3	26,708	27,534	26,543	25,138	+6.2

<sup>p</sup> Preliminary. <sup>r</sup> 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 Aug 97/96
	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	July- Aug.	June- July	May- June	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	Aug. 1996	
All manufacturing industries . . . . .	448,542	446,602	444,823	+0.4	+0.4	+0.3	451,963	448,123	442,780	434,755	+4.0
Manufacturing industries with unfilled orders . . . . .	298,471	297,046	295,299	+0.5	+0.6	+0.3	302,539	299,850	295,050	290,305	+4.2
without defense capital goods . . . . .	432,531	430,559	428,890	+0.5	+0.4	+0.4	435,505	431,679	426,657	417,382	+4.3
Durable goods industries . . . . .	282,084	280,800	279,166	+0.5	+0.6	+0.4	285,054	282,366	277,739	273,129	+4.4
With unfilled orders . . . . .	259,207	257,852	256,084	+0.5	+0.7	+0.4	262,459	259,899	255,462	250,215	+4.9
Stone, clay, and glass products . . . . .	8,712	8,701	8,774	+0.1	-0.8	+0.3	8,683	8,780	8,897	8,412	+3.2
Primary metals . . . . .	24,963	24,802	24,749	+0.6	+0.2	+0.2	25,000	24,891	24,627	24,131	+3.6
Blast furnaces, steel mills . . . . .	12,115	12,067	12,126	+0.4	-0.5	-0.8	12,079	12,041	11,903	11,772	+2.6
Iron and steel foundries . . . . .	1,642	1,651	1,668	-0.5	-1.0	-0.7	1,614	1,644	1,701	1,599	+0.9
Nonferrous and other primary metals . . . . .	11,206	11,084	10,955	+1.1	+1.2	+1.5	11,307	11,206	11,023	10,760	+5.1
Fabricated metal products . . . . .	28,601	28,547	28,495	+0.2	+0.2	+0.7	28,684	28,818	28,858	27,471	+4.4
Industrial machinery and equipment . . . . .	60,317	60,187	59,767	+0.2	+0.7	+0.2	61,168	60,363	59,000	60,370	+1.3
Engines and turbines . . . . .	3,678	3,658	3,624	+0.5	+0.9	-0.5	3,896	3,718	3,556	3,904	-0.2
Farm and garden machinery . . . . .	3,275	3,308	3,285	-1.0	+0.7	+1.7	3,069	3,083	3,120	2,846	+7.8
Construction, mining and material handling equipment . . . . .	7,905	7,867	7,762	+0.5	+1.4	+1.5	7,842	7,788	7,787	7,390	+6.1
Metalworking machinery . . . . .	7,276	7,312	7,326	-0.5	-0.2	-1.4	7,545	7,489	7,290	7,492	+0.7
Computer and office equipment . . . . .	12,105	12,090	11,891	+0.1	+1.7	-0.5	12,710	12,391	11,424	13,355	-4.8
Electronic and other electrical equipment . . . . .	40,250	40,290	39,712	-0.1	+1.5	+0.1	40,965	40,899	39,622	39,964	+2.5
Electrical transmission and distribution equipment and industrial apparatus . . . . .	5,257	5,285	5,316	-0.5	-0.6	0.0	5,319	5,322	5,269	5,111	+4.1
Household appliances . . . . .	2,817	2,862	2,804	-1.6	+2.1	+0.7	2,741	2,834	2,841	2,687	+2.0
Electric lighting and wiring equipment . . . . .	3,380	3,375	3,355	+0.1	+0.6	-0.3	3,448	3,457	3,400	3,321	+3.8
Household audio and video equipment . . . . .	1,592	1,652	1,496	-3.6	+10.4	-2.1	1,710	1,767	1,547	1,783	-4.1
Communications equipment . . . . .	10,953	10,990	10,609	-0.3	+3.6	+0.8	11,156	11,052	10,449	10,384	+7.4
Electronic components . . . . .	12,784	12,586	12,638	+1.6	-0.4	-0.5	13,027	12,791	12,555	13,177	-1.1
Transportation equipment . . . . .	67,504	66,896	66,398	+0.9	+0.8	+0.4	68,351	67,103	65,575	62,333	+9.7
Motor vehicles and parts . . . . .	16,761	16,958	16,950	-1.2	0.0	-2.2	16,993	17,046	16,348	16,937	+0.3
Aircraft, missiles, space vehicles, and parts . . . . .	46,018	45,193	44,739	+1.8	+1.0	+1.6	46,591	45,327	44,622	40,475	+15.1
Shipbuilding and tanks . . . . .	1,573	1,587	1,615	-0.9	-1.7	+2.4	1,563	1,595	1,596	1,687	-7.4
Instruments and related products . . . . .	25,024	25,000	24,874	+0.1	+0.5	+0.7	25,482	25,298	24,983	24,864	+2.5
Search and navigation equipment . . . . .	6,352	6,321	6,257	+0.5	+1.0	+0.6	6,487	6,449	6,276	6,143	+5.6
Measuring and controlling devices . . . . .	7,836	7,890	7,905	-0.7	-0.2	+1.9	7,961	7,999	7,951	7,767	+2.5
Medical instruments and supplies . . . . .	7,893	7,855	7,775	+0.5	+1.0	+0.2	8,003	7,880	7,795	7,630	+4.9
Photographic goods . . . . .	2,288	2,284	2,292	+0.2	-0.3	-0.7	2,373	2,317	2,307	2,704	-12.2
All other durable goods . . . . .	26,713	26,377	26,397	+1.3	-0.1	+0.6	26,721	26,214	26,177	25,584	+4.4
Nondurable goods industries . . . . .	166,458	165,802	165,657	+0.4	+0.1	+0.2	166,909	165,757	165,041	161,626	+3.3
With unfilled orders . . . . .	39,264	39,194	39,215	+0.2	-0.1	-0.2	40,080	39,951	39,588	40,090	0.0
Food and kindred products . . . . .	35,269	35,103	35,198	+0.5	-0.3	+0.4	35,110	33,963	33,615	34,299	+2.4
Meat products . . . . .	3,888	3,868	3,856	+0.5	+0.3	+0.4	3,810	3,867	3,903	3,636	+4.8
Dairy products . . . . .	3,133	3,128	3,233	+0.2	-3.2	-0.1	3,230	3,273	3,305	3,233	-0.1
Beverages . . . . .	6,820	6,737	6,660	+1.2	+1.2	-0.5	6,718	6,601	6,595	6,514	+3.1
All other foods, except fats and oils . . . . .	19,637	19,558	19,539	+0.4	+0.1	+0.8	19,794	18,531	17,996	19,100	+3.6
Tobacco products . . . . .	6,175	6,223	6,201	-0.8	+0.4	-0.6	5,835	5,695	5,718	5,564	+4.9
Textile mill products . . . . .	10,287	10,241	10,217	+0.4	+0.2	+0.6	10,374	10,380	10,296	10,095	+2.8
Broadwoven fabrics and other textiles . . . . .	6,393	6,361	6,360	+0.5	0.0	+0.5	6,431	6,432	6,368	6,341	+1.4
Paper and allied products . . . . .	15,848	15,859	15,822	-0.1	+0.2	-0.8	15,870	15,800	15,760	16,529	-4.0
Pulp, paper, and paperboard mill products . . . . .	6,518	6,550	6,557	-0.5	-0.1	-0.5	6,525	6,478	6,470	6,968	-6.4
Paperboard containers and boxes . . . . .	3,834	3,831	3,802	+0.1	+0.8	-2.4	3,822	3,821	3,778	3,887	-1.7
Miscellaneous converted paper products . . . . .	5,496	5,478	5,463	+0.3	+0.3	0.0	5,523	5,501	5,512	5,674	-2.7
Chemicals and allied products . . . . .	42,591	42,547	42,361	+0.1	+0.4	+0.8	42,545	42,675	42,404	40,353	+5.4
Industrial chemicals . . . . .	19,757	19,611	19,593	+0.7	+0.1	+0.4	19,698	19,592	19,468	18,904	+4.2
Drugs, soaps, and toiletries . . . . .	17,547	17,697	17,538	-0.8	+0.9	+0.7	17,845	18,057	17,860	16,671	+7.0
Petroleum and coal products . . . . .	12,370	12,171	12,356	+1.6	-1.5	-2.1	12,451	12,325	12,654	12,079	+3.1
Rubber and plastics products . . . . .	16,423	16,299	16,248	+0.8	+0.3	+0.1	16,194	16,281	16,254	15,138	+7.0
All other nondurable goods . . . . .	27,495	27,359	27,254	+0.5	+0.4	+0.6	28,530	28,638	28,340	27,569	+3.5

<sup>p</sup> Preliminary. <sup>r</sup> 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 SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	July-Aug.	June-July	May-June	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	Aug. 1996	Aug. 97/96	1997 <sup>p</sup>	1996
<b>SHIPMENTS</b>													
All manufacturing industries . . . . .	330,389	332,895	328,315	-0.8	+1.4	+1.5	331,993	299,786	350,833	316,500	+4.9	2,580,603	2,440,500
Market categories :													
Automotive equipment . . . . .	14,788	14,937	14,305	-1.0	+4.4	+5.2	14,647	10,014	15,099	14,055	+4.2	113,395	109,486
Home goods and apparel . . . . .	18,843	19,104	19,089	-1.4	+0.1	+1.6	20,056	17,772	20,072	19,619	+2.2	147,335	140,890
Consumer staples . . . . .	69,785	69,346	69,049	+0.6	+0.4	-0.1	71,192	67,061	70,747	69,061	+3.1	543,075	520,187
Machinery and equipment . . . . .	60,259	61,741	59,788	-2.4	+3.3	+2.7	57,215	51,380	67,651	52,640	+8.7	458,766	419,894
Business supplies . . . . .	25,727	25,697	25,463	+0.1	+0.9	+1.2	26,063	24,324	26,707	24,873	+4.8	201,012	192,787
Construction materials and supplies . . . . .	20,818	21,382	20,746	-2.6	+3.1	+0.7	22,055	20,743	22,308	21,234	+3.9	165,123	154,391
Defense products . . . . .	6,539	6,737	7,013	-2.9	-3.9	+5.5	6,330	6,037	7,577	6,238	+1.5	52,060	49,503
Other materials, supplies and intermediate products . . . . .	113,630	113,951	112,862	-0.3	+1.0	+1.3	114,435	102,455	120,672	108,780	+5.2	899,837	853,362
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	46,894	48,058	46,773	-2.4	+2.7	+2.6	43,853	41,286	54,540	39,835	+10.1	353,894	320,559
Excluding aircraft and parts . . . . .	39,947	40,454	40,000	-1.3	+1.1	+3.8	37,453	34,588	46,733	34,471	+8.7	301,479	281,111
Defense capital goods <sup>4</sup> . . . . .	6,181	6,346	6,662	-2.6	-4.7	+5.5	5,927	5,599	7,242	5,825	+1.8	48,951	46,453
Durables excluding capital goods . . . . .	128,093	129,423	127,252	-1.0	+1.7	+2.6	129,066	109,405	135,852	121,824	+5.9	1,001,479	938,289
Miscellaneous series :													
Producers' durable equipment . . . . .	116,624	118,171	115,667	-1.3	+2.2	+3.1	113,568	95,863	128,141	106,377	+6.8	896,985	836,635
Household durable goods . . . . .	9,488	9,660	9,953	-1.8	-2.9	+4.2	9,664	8,380	10,522	9,390	+2.9	73,945	69,173
Information technology industries . . . . .	22,718	22,774	22,295	-0.2	+2.1	+4.3	21,009	18,700	26,904	18,846	+11.5	165,389	150,974
Health care equipment and products . . . . .	10,994	11,131	11,191	-1.2	-0.5	+1.4	10,805	10,307	11,779	10,427	+3.6	86,008	80,226
<b>NEW ORDERS</b>													
All manufacturing industries . . . . .	335,457	331,138	329,554	+1.3	+0.5	+1.7	335,893	300,000	348,136	312,787	+7.4	2,596,003	2,467,693
Market categories :													
Automotive equipment . . . . .	14,827	14,946	14,310	-0.8	+4.4	+5.2	14,746	10,087	15,070	14,107	+4.5	113,711	109,573
Home goods and apparel . . . . .	18,663	19,575	19,274	-4.7	+1.6	+0.9	19,703	18,622	20,243	19,471	+1.2	149,319	142,929
Consumer staples . . . . .	69,699	69,431	69,173	+0.4	+0.4	0.0	71,106	67,446	70,981	69,053	+3.0	543,579	520,714
Machinery and equipment . . . . .	61,534	61,599	60,205	-0.1	+2.3	+5.2	58,395	51,584	67,076	50,723	+15.1	464,009	436,473
Business supplies . . . . .	25,619	25,759	25,550	-0.5	+0.8	+1.1	25,934	24,548	26,661	24,869	+4.3	201,645	193,304
Construction materials and supplies . . . . .	20,862	21,574	20,896	-3.3	+3.2	+1.4	22,019	21,058	22,442	21,237	+3.7	166,354	155,022
Defense products . . . . .	6,345	6,423	6,690	-1.2	-4.0	+12.3	4,898	4,368	6,833	4,266	+14.8	45,841	51,768
Other materials, supplies and intermediate products . . . . .	117,908	111,831	113,456	+5.4	-1.4	+0.3	119,092	102,287	118,830	109,061	+9.2	911,545	857,910
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	47,832	47,412	47,211	+0.9	+0.4	+6.8	44,729	40,917	54,053	37,706	+18.6	356,386	336,685
Excluding aircraft and parts . . . . .	39,959	42,136	39,512	-5.2	+6.6	+3.1	37,403	36,547	45,320	33,765	+10.8	306,390	283,398
Defense capital goods <sup>4</sup> . . . . .	6,041	5,977	6,271	+1.1	-4.7	+13.5	4,577	3,813	6,413	3,799	+20.5	42,876	48,917
Durables excluding capital goods . . . . .	132,675	128,290	128,102	+3.4	+0.1	+1.1	134,266	110,783	134,088	122,581	+9.5	1,018,399	944,775
Miscellaneous series :													
Producers' durable equipment . . . . .	117,776	118,555	116,141	-0.7	+2.1	+4.2	114,988	97,741	127,006	105,127	+9.4	906,286	854,326
Household durable goods . . . . .	9,290	10,105	10,182	-8.1	-0.8	+3.4	9,389	9,212	10,680	9,368	+0.2	75,748	70,224
Information technology industries . . . . .	22,295	24,153	22,715	-7.7	+6.3	+5.9	20,605	20,273	27,037	18,137	+13.6	169,362	151,015
Health care equipment and products . . . . .	11,152	11,082	10,992	+0.6	+0.8	-0.7	11,034	10,431	11,384	10,513	+5.0	86,558	80,706

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

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

<sup>3</sup> 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.

<sup>4</sup> 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 SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Aug. 97/96
	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	July- Aug.	June- July	May- June	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	Aug. 1996	
UNFILLED ORDERS											
All manufacturing industries . . . . .	527,239	522,171	523,928	+1.0	-0.3	+0.2	527,619	523,719	523,505	504,227	+4.6
Market categories :											
Automotive equipment . . . . .	2,457	2,418	2,410	+1.6	+0.3	+0.2	2,518	2,420	2,347	2,323	+8.4
Home goods and apparel . . . . .	8,796	8,977	8,506	-2.0	+5.5	+2.2	9,490	9,842	8,993	9,541	-0.5
Consumer staples . . . . .	2,372	2,458	2,372	-3.5	+3.6	+5.5	2,663	2,750	2,364	2,406	+10.7
Machinery and equipment . . . . .	233,845	232,570	232,712	+0.5	-0.1	+0.2	233,815	232,635	232,431	224,910	+4.0
Business supplies . . . . .	7,003	7,112	7,050	-1.5	+0.9	+1.2	7,242	7,371	7,147	6,857	+5.6
Construction materials and supplies . . . . .	17,202	17,159	16,967	+0.3	+1.1	+0.9	17,358	17,395	17,080	16,074	+8.0
Defense products . . . . .	102,801	102,995	103,308	-0.2	-0.3	-0.3	100,888	102,319	103,989	101,954	-1.0
Other materials, supplies and and intermediate products . . . . .	152,763	148,482	150,603	+2.9	-1.4	+0.4	153,645	148,987	149,154	140,162	+9.6
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	252,476	251,538	252,184	+0.4	-0.3	+0.2	252,015	251,139	251,508	242,479	+3.9
Excluding aircraft and parts . . . . .	99,147	99,135	97,453	0.0	+1.7	-0.5	98,686	98,736	96,777	95,936	+2.9
Defense capital goods <sup>4</sup> . . . . .	107,517	107,657	108,026	-0.1	-0.3	-0.4	105,603	106,953	108,739	106,766	-1.1
Durables excluding capital goods . . . . .	141,350	136,768	137,901	+3.4	-0.8	+0.6	143,293	138,093	136,715	129,844	+10.4
Miscellaneous series :											
Producers' durable equipment . . . . .	271,484	270,332	269,948	+0.4	+0.1	+0.2	272,311	270,891	269,013	262,020	+3.9
Household durable goods . . . . .	6,162	6,360	5,915	-3.1	+7.5	+4.0	6,603	6,878	6,046	6,011	+9.8
Information technology industries . . . . .	38,884	39,307	37,928	-1.1	+3.6	+1.1	39,063	39,467	37,894	36,549	+6.9
Health care equipment and products . . . . .	7,995	7,838	7,887	+2.0	-0.6	-2.5	8,006	7,777	7,653	7,824	+2.3
TOTAL INVENTORIES											
All manufacturing industries . . . . .	448,542	446,602	444,823	+0.4	+0.4	+0.3	451,963	448,123	442,780	434,755	+4.0
Market categories :											
Automotive equipment . . . . .	8,236	8,361	8,402	-1.5	-0.5	-0.8	8,375	8,367	8,128	8,491	-1.4
Home goods and apparel . . . . .	32,862	32,754	32,273	+0.3	+1.5	+1.1	33,496	33,634	33,271	31,826	+5.2
Consumer staples . . . . .	69,009	68,942	68,912	+0.1	0.0	+0.1	69,084	68,020	67,677	66,526	+3.8
Machinery and equipment . . . . .	113,954	113,279	112,218	+0.6	+0.9	+1.0	115,406	113,512	111,056	107,580	+7.3
Business supplies . . . . .	26,671	26,340	26,560	+1.3	-0.8	+0.2	27,091	26,682	26,702	26,253	+3.2
Construction materials and supplies . . . . .	27,585	27,458	27,388	+0.5	+0.3	+0.6	27,557	27,613	27,546	26,421	+4.3
Defense products . . . . .	15,705	15,757	15,649	-0.3	+0.7	-1.5	16,076	16,095	15,804	16,823	-4.4
Other materials, supplies and and intermediate products . . . . .	154,520	153,711	153,421	+0.5	+0.2	0.0	154,878	154,200	152,596	150,835	+2.7
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	108,311	107,363	106,207	+0.9	+1.1	+1.0	109,872	107,789	105,154	101,478	+8.3
Excluding aircraft and parts . . . . .	72,248	72,065	71,271	+0.3	+1.1	+0.3	73,557	72,661	70,533	72,177	+1.9
Defense capital goods <sup>4</sup> . . . . .	16,011	16,043	15,933	-0.2	+0.7	-1.3	16,458	16,444	16,123	17,373	-5.3
Durables excluding capital goods . . . . .	157,762	157,394	157,026	+0.2	+0.2	+0.2	158,724	158,133	156,462	154,278	+2.9
Miscellaneous series :											
Producers' durable equipment . . . . .	183,474	183,008	181,742	+0.3	+0.7	+0.6	185,551	183,833	180,463	175,572	+5.7
Household durable goods . . . . .	16,434	16,424	16,110	+0.1	+1.9	+0.9	16,718	16,653	16,331	15,773	+6.0
Information technology industries . . . . .	35,369	35,360	34,832	0.0	+1.5	+0.8	36,397	35,904	34,255	36,133	+0.7
Health care equipment and products . . . . .	17,416	17,455	17,289	-0.2	+1.0	+0.4	17,684	17,673	17,480	16,674	+6.1

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 Aug. 97/96
	Aug. 1997 <sup>P</sup>	July 1997 <sup>T</sup>	June 1997	July- Aug.	June- July	May- June	Aug. 1997 <sup>P</sup>	July 1997 <sup>T</sup>	June 1997	Aug. 1996	
MATERIALS AND SUPPLIES											
All manufacturing industries . . . . .	147,044	147,367	147,068	-0.2	+0.2	+0.4	147,700	147,709	145,923	146,052	+1.1
Durable goods industries . . . . .	86,213	86,461	86,081	-0.3	+0.4	+0.8	87,274	86,910	84,974	85,828	+1.7
Stone, clay, and glass products . . . . .	2,871	2,912	2,892	-1.4	+0.7	+0.2	2,909	2,915	2,897	2,887	+0.8
Primary metals . . . . .	8,066	8,045	7,962	+0.3	+1.0	+0.5	8,126	8,013	7,807	7,571	+7.3
Fabricated metal products . . . . .	10,443	10,464	10,387	-0.2	+0.7	+0.8	10,451	10,500	10,381	10,223	+2.2
Industrial machinery and equipment . . . . .	18,077	18,252	18,318	-1.0	-0.4	+1.8	18,625	18,352	18,134	19,548	-4.7
Electronic and other electrical equipment . . . . .	13,604	13,829	13,695	-1.6	+1.0	-0.1	13,827	14,070	13,557	13,820	+0.1
Transportation equipment . . . . .	14,674	14,684	14,421	-0.1	+1.8	+1.1	14,768	14,869	14,163	13,957	+5.8
Instruments and related products . . . . .	8,362	8,300	8,264	+0.7	+0.4	+1.5	8,459	8,361	8,290	7,964	+6.2
Lumber, furniture and miscellaneous durable goods . . . . .	10,116	9,975	10,142	+1.4	-1.6	-0.2	10,109	9,830	9,745	9,858	+2.5
Nondurable goods industries . . . . .	60,831	60,906	60,987	-0.1	-0.1	-0.3	60,426	60,799	60,949	60,224	+0.3
Food and kindred products . . . . .	11,220	11,214	11,244	+0.1	-0.3	-0.1	10,808	10,871	11,022	11,057	-2.3
Tobacco products . . . . .	5,189	5,222	5,275	-0.6	-1.0	+0.9	5,018	4,930	4,997	4,796	+4.6
Textile mill products . . . . .	3,167	3,147	3,140	+0.6	+0.2	+0.1	3,145	3,185	3,156	2,955	+6.4
Paper and allied products . . . . .	7,652	7,714	7,697	-0.8	+0.2	-1.5	7,638	7,636	7,598	8,030	-4.9
Chemicals and allied products . . . . .	14,276	14,285	14,166	-0.1	+0.8	+0.7	14,264	14,419	14,341	13,565	+5.2
Petroleum and coal products . . . . .	3,552	3,531	3,624	+0.6	-2.6	-4.8	3,584	3,572	3,755	3,603	-0.5
Rubber and plastics products . . . . .	6,237	6,213	6,211	+0.4	0.0	-0.6	6,175	6,278	6,193	6,028	+2.4
Apparel, printing and publishing and leather goods . . . . .	9,538	9,580	9,630	-0.4	-0.5	+0.3	9,794	9,908	9,887	10,190	-3.9
WORK IN PROCESS											
All manufacturing industries . . . . .	142,882	141,675	140,623	+0.9	+0.7	-0.1	144,842	142,588	139,631	137,066	+5.7
Durable goods industries . . . . .	114,811	113,931	113,043	+0.8	+0.8	+0.1	116,527	114,819	112,447	110,399	+5.6
Stone, clay, and glass products . . . . .	1,268	1,171	1,186	+8.3	-1.3	-7.3	1,268	1,205	1,226	1,216	+4.3
Primary metals . . . . .	8,850	8,837	8,862	+0.1	-0.3	+0.6	8,888	8,997	8,875	8,719	+1.9
Fabricated metal products . . . . .	8,075	8,102	8,006	-0.3	+1.2	+0.3	8,242	8,194	7,986	7,946	+3.7
Industrial machinery and equipment . . . . .	22,850	22,747	22,675	+0.5	+0.3	-0.4	23,224	22,986	22,562	22,642	+2.6
Electronic and other electrical equipment . . . . .	15,072	14,946	14,830	+0.8	+0.8	+0.6	15,305	15,102	14,800	15,404	-0.6
Transportation equipment . . . . .	43,482	42,807	42,267	+1.6	+1.3	-0.1	44,063	42,748	41,721	38,981	+13.0
Instruments and related products . . . . .	10,106	10,182	10,080	-0.7	+1.0	+0.8	10,345	10,390	10,122	10,281	+0.6
Lumber, furniture and miscellaneous durable goods . . . . .	5,108	5,139	5,137	-0.6	0.0	+1.8	5,192	5,197	5,155	5,210	-0.3
Nondurable goods industries . . . . .	28,071	27,744	27,580	+1.2	+0.6	-0.7	28,315	27,769	27,184	26,667	+6.2
Food and kindred products . . . . .	5,253	5,064	4,992	+3.7	+1.4	-1.6	4,955	4,616	4,594	4,605	+7.6
Tobacco products . . . . .	191	216	225	-11.6	-4.0	-0.4	163	164	154	194	-16.0
Textile mill products . . . . .	2,546	2,556	2,554	-0.4	+0.1	-0.5	2,572	2,584	2,536	2,597	-1.0
Paper and allied products . . . . .	1,718	1,686	1,690	+1.9	-0.2	-0.2	1,754	1,725	1,726	1,713	+2.4
Chemicals and allied products . . . . .	7,494	7,484	7,444	+0.1	+0.5	+0.3	7,645	7,659	7,491	6,970	+9.7
Petroleum and coal products . . . . .	2,619	2,589	2,641	+1.2	-2.0	-2.9	2,674	2,601	2,657	2,708	-1.3
Rubber and plastics products . . . . .	2,268	2,236	2,211	+1.4	+1.1	-1.5	2,252	2,204	2,147	2,051	+9.8
Apparel, printing and publishing and leather goods . . . . .	5,982	5,913	5,823	+1.2	+1.5	-0.2	6,300	6,216	5,879	5,829	+8.1
FINISHED GOODS											
All manufacturing industries . . . . .	158,616	157,560	157,132	+0.7	+0.3	+0.6	159,421	157,826	157,226	151,637	+5.1
Durable goods industries . . . . .	81,060	80,408	80,042	+0.8	+0.5	+0.3	81,253	80,637	80,318	76,902	+5.7
Stone, clay, and glass products . . . . .	4,573	4,618	4,696	-1.0	-1.7	+2.4	4,506	4,660	4,774	4,309	+4.6
Primary metals . . . . .	8,047	7,920	7,925	+1.6	-0.1	-0.5	7,986	7,881	7,945	7,841	+1.8
Fabricated metal products . . . . .	10,083	9,981	10,102	+1.0	-1.2	+1.0	9,991	10,124	10,491	9,302	+7.4
Industrial machinery and equipment . . . . .	19,390	19,188	18,774	+1.1	+2.2	-0.5	19,319	19,025	18,304	18,180	+6.3
Electronic and other electrical equipment . . . . .	11,574	11,515	11,187	+0.5	+2.9	-0.5	11,833	11,727	11,265	10,740	+10.2
Transportation equipment . . . . .	9,348	9,405	9,710	-0.6	-3.1	+1.9	9,520	9,486	9,691	9,395	+1.3
Instruments and related products . . . . .	6,556	6,518	6,530	+0.6	-0.2	-0.2	6,678	6,547	6,571	6,619	+0.9
Lumber, furniture and miscellaneous durable goods . . . . .	11,489	11,263	11,118	+2.0	+1.3	+0.9	11,420	11,187	11,277	10,516	+8.6
Nondurable goods industries . . . . .	77,556	77,152	77,090	+0.5	+0.1	+0.9	78,168	77,189	76,908	74,735	+4.6
Food and kindred products . . . . .	18,796	18,825	18,962	-0.2	-0.7	+1.2	19,347	18,476	17,999	18,637	+3.8
Tobacco products . . . . .	795	785	701	+1.3	+12.0	-10.7	654	601	567	574	+13.9
Textile mill products . . . . .	4,574	4,538	4,523	+0.8	+0.3	+1.6	4,657	4,611	4,604	4,543	+2.5
Paper and allied products . . . . .	6,478	6,459	6,435	+0.3	+0.4	-0.1	6,478	6,439	6,436	6,786	-4.5
Chemicals and allied products . . . . .	20,821	20,778	20,751	+0.2	+0.1	+1.0	20,636	20,597	20,572	19,818	+4.1
Petroleum and coal products . . . . .	6,199	6,051	6,091	+2.4	-0.7	0.0	6,193	6,152	6,242	5,768	+7.4
Rubber and plastics products . . . . .	7,918	7,850	7,826	+0.9	+0.3	+1.2	7,767	7,799	7,914	7,059	+10.0
Apparel, printing and publishing and leather goods . . . . .	11,975	11,866	11,801	+0.9	+0.6	+1.4	12,436	12,514	12,574	11,550	+7.7

<sup>P</sup> Preliminary. <sup>T</sup> 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 <sup>1</sup>			
	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	May 1997	Aug. 1997 <sup>p</sup>	July 1997 <sup>r</sup>	June 1997	May 1997
All manufacturing industries . . . . .	1.36	1.34	1.35	1.37	2.86	2.80	2.84	2.89
Durable goods industries . . . . .	1.56	1.53	1.55	1.58	3.39	3.32	3.36	3.44
Stone, clay, and glass products . . . . .	1.15	1.11	1.17	1.16	0.89	0.88	0.97	0.95
Primary metals . . . . .	1.62	1.59	1.60	1.63	2.08	2.04	2.01	2.03
Fabricated metal products . . . . .	1.50	1.50	1.51	1.52	1.46	1.46	1.46	1.47
Industrial machinery and equipment . . . . .	1.77	1.72	1.74	1.80	2.30	2.23	2.26	2.38
Electronic and other electrical equipment . . . . .	1.34	1.37	1.34	1.38	1.85	1.75	1.84	1.88
Transportation equipment . . . . .	1.57	1.52	1.57	1.61	11.29	10.87	11.17	11.29
Instruments and related products . . . . .	1.92	1.88	1.89	1.95	3.76	3.70	3.58	3.72
Nondurable goods industries . . . . .	1.12	1.11	1.12	1.12	0.71	0.71	0.71	0.71
Food and kindred products . . . . .	0.88	0.87	0.88	0.87	(X)	(X)	(X)	(X)
Tobacco products . . . . .	1.94	1.96	1.94	1.95	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.52	1.47	1.52	1.50	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.19	1.19	1.19	1.21	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.30	1.30	1.29	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.77	0.80	0.82	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.33	1.30	1.32	1.33	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> 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 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		
	Aug. <sup>1</sup> 1997	Aug. <sup>2</sup> 1992-1996	Aug. 1996-July 1997	Aug. <sup>1</sup> 1997	Aug. <sup>2</sup> 1992-1996	Aug. 1996-July 1997	Aug. <sup>1</sup> 1997	Aug. <sup>2</sup> 1992-1996	Aug. 1996-July 1997	Aug. <sup>1</sup> 1997	Aug. <sup>2</sup> 1992-1996	Aug. 1996-July 1997
All manufacturing industries . . . . .	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries . . . . .	0.0	0.3	0.2	0.0	0.3	0.3	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products . . . . .	(X)	0.5	0.5	(X)	1.2	1.0	(X)	0.7	0.8	(X)	0.0	0.2
Primary metals . . . . .	-0.5	0.3	0.2	-0.2	0.9	0.8	0.2	0.4	0.3	(X)	0.1	0.0
Fabricated metal products . . . . .	(X)	0.3	0.3	(X)	0.6	0.6	(X)	0.4	0.4	(X)	0.3	0.1
Industrial machinery and equipment . . . . .	0.1	0.3	0.5	0.4	0.2	0.7	0.2	0.1	0.2	(X)	0.2	0.1
Electronic and other electrical equipment . . . . .	-0.2	0.3	0.5	0.0	0.5	1.1	0.2	0.2	0.5	(X)	0.1	0.1
Transportation equipment . . . . .	0.0	1.0	0.3	-0.2	1.3	1.0	0.0	0.2	0.2	(X)	0.0	0.1
Instruments and related products . . . . .	(X)	0.3	0.5	(X)	0.6	1.3	(X)	0.1	0.3	(X)	0.1	0.2
Nondurable goods industries . . . . .	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.0	0.1
Food and kindred products . . . . .	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products . . . . .	(X)	0.0	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)	0.1	0.2
Paper and allied products . . . . .	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products . . . . .	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products . . . . .	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4
Rubber and plastics products . . . . .	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense . . . . .	0.0	0.7	0.4	0.0	0.6	0.6	0.0	0.2	0.1	(X)	0.1	0.1
Defense . . . . .	0.0	0.6	0.5	0.0	6.1	3.5	0.0	0.3	0.2	(X)	0.1	0.1

(X) Not applicable. (NA) Not available.

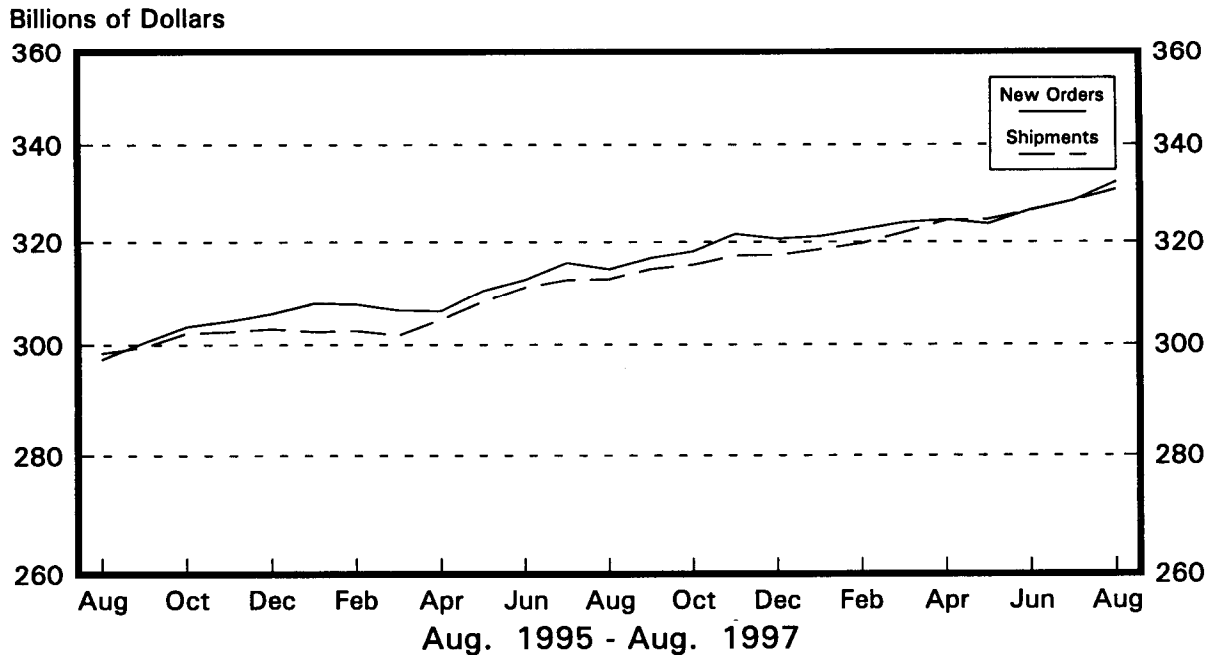
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change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

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

<sup>2</sup> Average for this month for the last five years.

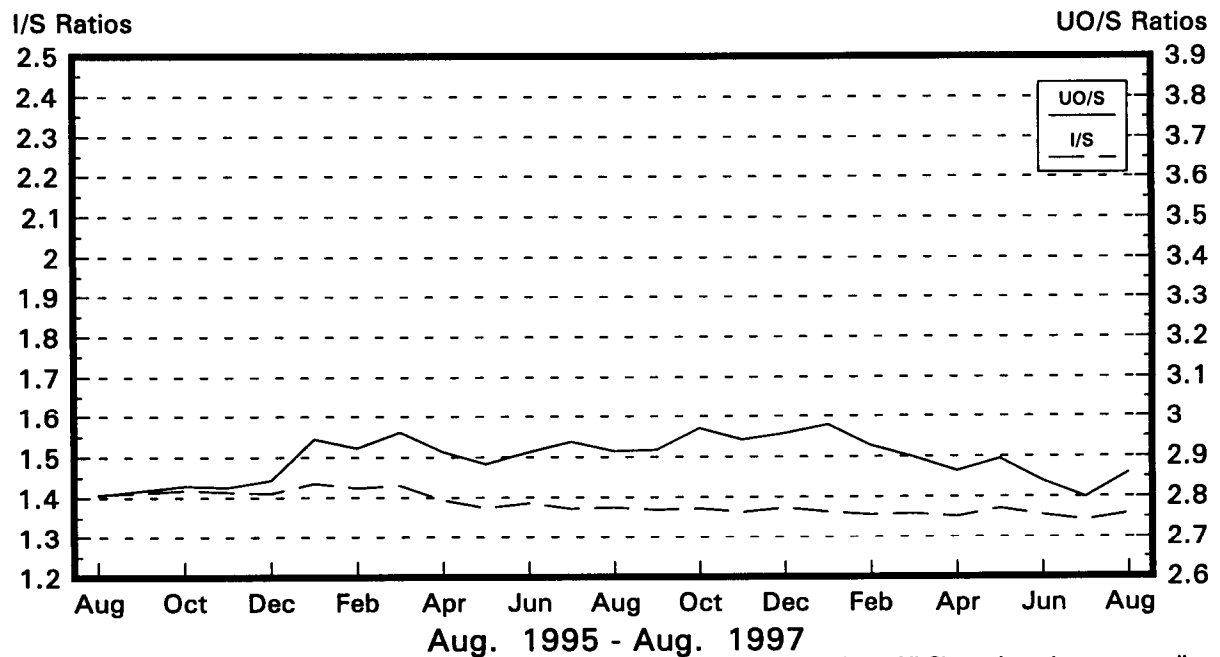
## Total Manufacturing

New Orders and Shipments  
Three Month Moving Averages



## Total Manufacturing

Ratio of Unfilled Orders and  
Inventories to Shipments



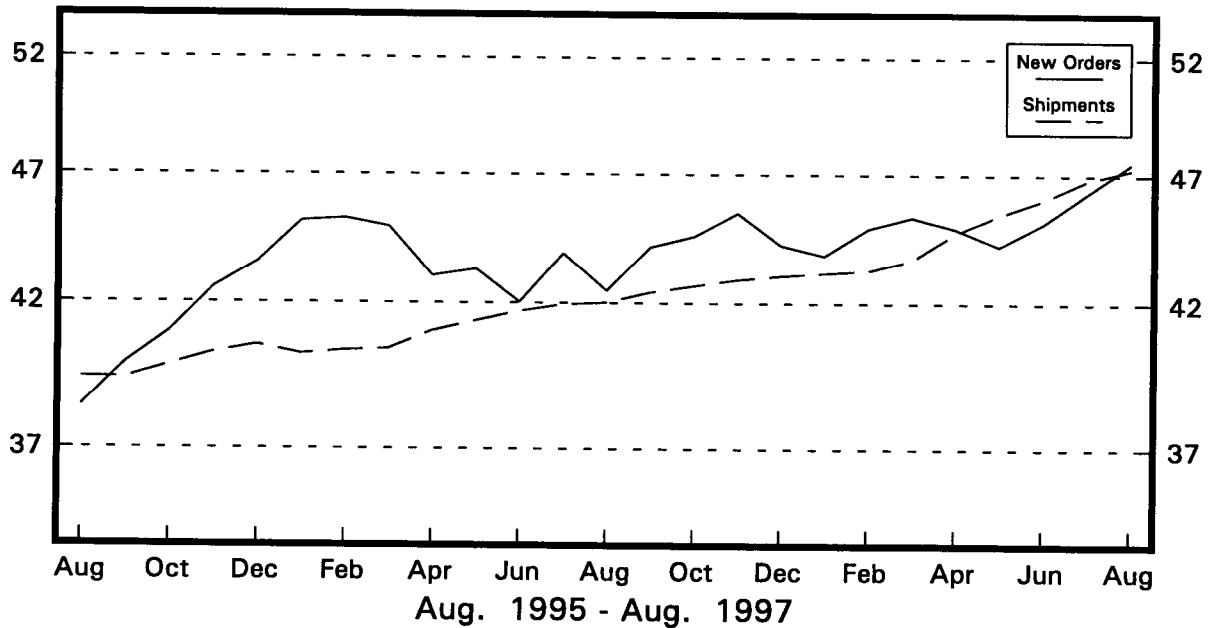
Note: All Charts based on seasonally adjusted current dollars.

# Nondefense Capital Goods

11

New Orders and Shipments  
Three Month Moving Averages

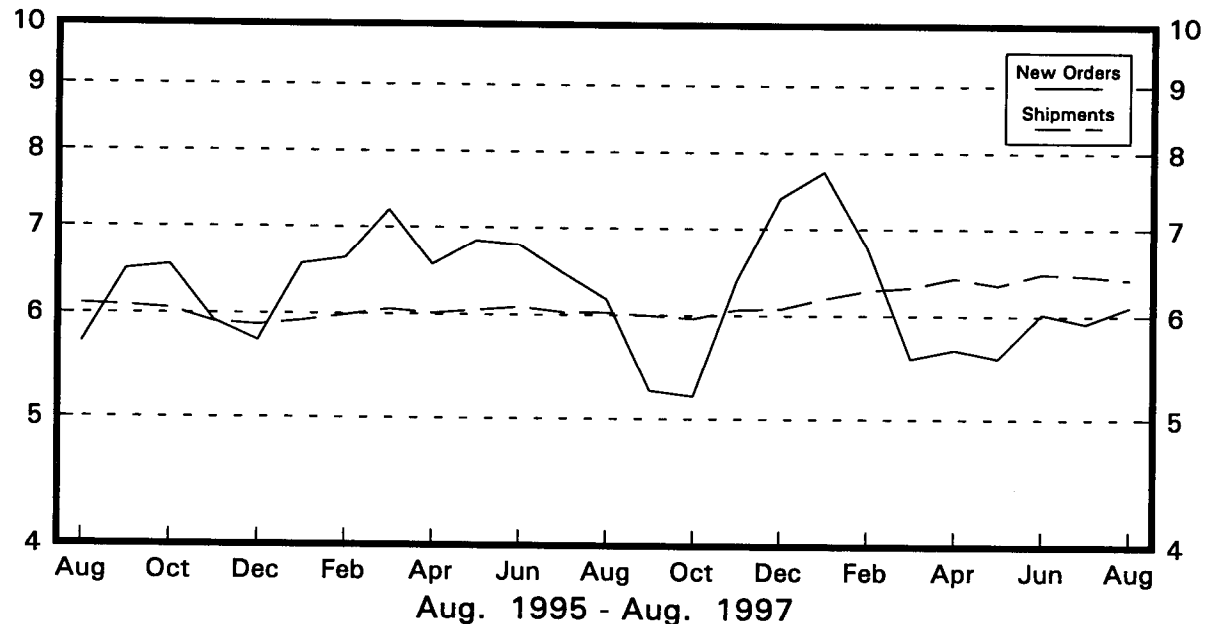
Billions of Dollars



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.