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BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

August 1993

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

Summary

New orders for manufactured goods in August increased \$2.2 billion or 0.9 percent to \$252.8 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.9 percent decrease in July and is the second increase in the last three months. Year-to-date new orders for 1993 totaled \$2,023.4 billion, 5.9 percent above the same period a year ago.

Shipments increased \$3.8 billion or 1.5 percent to \$255.5 billion, following a 2.6 percent decrease in July. This is the second increase in the last three months. Year-to-date shipments for 1993 totaled \$2,043.2 billion, 5.6 percent above the same period a year ago.

Unfilled orders decreased \$2.7 billion or 0.6 percent to \$455.5 billion, the lowest level since July 1988. This is the sixth consecutive monthly decline and the twenty-first in the last twenty-four months. The unfilled orders-to-shipments ratio decreased from 3.41 in July to 3.32 in August, the lowest level since April 1978.

Inventories decreased \$0.1 billion to \$381.4 billion, the second decline in the last three months. The inventories-to-shipments ratio decreased from 1.52 in July to 1.49 in August.

New Orders

New orders for manufactured durable goods in August increased \$2.9 billion or 2.3 percent to \$131.4 billion, following a 2.8 percent decrease in July. This is the second increase in the last three months.

Transportation equipment had the largest increase, up \$2.3 billion or 7.8 percent to \$31.5 billion, as increases in motor vehicles and parts and aircraft and parts more than offset a decline in shipbuilding and tanks. This follows a 16.3 percent decrease in July. Excluding transportation equipment, new orders increased \$0.6 billion or 0.6 percent. Fabricated metal products increased \$0.4 billion or 2.8 percent to \$14.0 billion, the first increase since May. Industrial machinery and equipment, up for the second consecutive month, increased \$0.4 billion or 1.5 percent to \$24.1 billion. Instruments and related products increased \$0.3 billion or 2.9 percent to \$10.8 billion, following a 7.6 percent increase in July. The largest decline was in electronic and other electrical equipment, down \$0.8 billion or 4.1 percent to \$19.6 billion, primarily due to electronic components. This follows a 2.9 percent increase in July.

New orders for nondurable goods decreased \$0.7 billion or 0.6 percent to \$121.4 billion, following a 0.9 percent decrease in July. This is the fourth decline in the last five months. Tobacco products had the largest decrease. The largest increases were in food and kindred products and rubber and plastics products.

Shipments

Shipments of durable goods in August increased \$4.6 billion or 3.6 percent to \$133.9 billion, the largest increase since December 1992. This follows a 4.3 percent decrease in July and is the second increase in the last three months. Nine of ten major industry groups increased. Transportation equipment had the largest increase, up \$3.0 billion or 9.8 percent to \$33.9 billion, primarily due to motor vehicles and parts and aircraft and parts. This follows a 12.9 percent decline in July.

Shipments of nondurable goods decreased \$0.8 billion or 0.7 percent to \$121.6 billion, following a 0.7 percent decrease in July. This is the fourth decline in the last five months. The largest decrease was in tobacco products, down \$1.2 billion or 38.1 percent to \$2.0 billion, the largest decline on record. The largest increase was in food and kindred products, up \$0.6 billion or 1.7 percent to \$35.0 billion, the highest level on record. Rubber and plastics products increased \$0.4 billion or 4.9 percent to \$8.6 billion, following a 4.8 percent decline in July.

Unfilled Orders

Unfilled orders for durable goods in August decreased \$2.4 billion or 0.6 percent to \$433.2 billion, the lowest level since July 1988. This is the sixth consecutive monthly decline and twenty-fifth in the last thirty months. Transportation equipment, down for the sixteenth consecutive month, had the largest decrease, down \$2.4 billion or 1.0 percent to \$226.4 billion, primarily due to aircraft and parts. This is the lowest level since March 1989. Excluding transportation equipment, unfilled orders were virtually unchanged. Industrial machinery and equipment had the largest increase, up \$0.3 billion or 0.5 percent to \$50.9 billion. Unfilled orders for nondurable goods decreased \$0.3 billion or 1.1 percent to \$22.3 billion, the fourth consecutive monthly decline.

Inventories

Inventories for durable goods in August decreased \$0.5 billion or 0.2 percent to \$237.5 billion, the second decline in the last three months. Transportation equipment had the largest decrease, down \$1.0 billion or 1.5 percent to \$64.0 billion, primarily due to aircraft and parts. Excluding transportation equipment, inventories were up \$0.6 billion or 0.3 percent. Nondurable goods inventories increased \$0.3 billion or 0.2 percent to \$143.9 billion, following two consecutive monthly declines.

By stage of fabrication, finished goods decreased 0.7 percent in durables and increased 0.4 percent in nondurables. Work in process was down 0.2 percent in durables and up 0.3 percent in nondurables. Materials and supplies increased 0.3 percent in durables and declined 0.1 percent in nondurables.

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	
	Aug. 1993 ^p	July 1993 ^r	June 1993	July-Aug.	June-July	May-June	Aug. 1993 ^p	July 1993 ^r	June 1993	Aug. 1992		1993 ^p	1992
All manufacturing industries	255,511	251,680	258,299	+1.5	-2.6	+1.7	255,590	230,372	278,186	242,876	+5.2	2,022,872	1,916,485
Manufacturing Industries													
with unfilled orders	137,328	134,269	137,744	+2.3	-2.5	+1.8	136,165	121,013	149,257	128,990	+5.6	1,069,899	1,025,178
without defense capital goods	248,429	244,086	250,705	+1.8	-2.6	+1.7	248,850	223,644	270,117	235,446	+5.7	1,965,742	1,854,831
Durable goods industries	133,892	129,257	135,042	+3.6	-4.3	+2.1	131,822	112,784	148,762	122,907	+7.3	1,052,746	979,580
With unfilled orders	107,999	104,574	108,429	+3.3	-3.6	+2.6	106,167	92,819	119,458	99,579	+6.6	837,750	796,838
Stone, clay, and glass products	5,741	5,700	5,766	+0.7	-1.1	+0.7	6,244	5,622	6,378	6,152	+1.5	45,285	43,402
Primary metals	11,272	11,127	11,628	+1.3	-4.3	+4.0	11,406	10,261	12,286	11,441	-0.3	91,635	91,347
Blast furnaces, steel mills	5,311	5,215	5,245	+1.8	-0.6	+1.7	5,338	4,805	5,553	4,815	+10.9	41,904	39,051
Iron and steel foundries	1,001	898	1,007	+11.5	-10.8	+4.8	1,029	740	1,122	1,047	-1.7	8,154	8,109
Nonferrous and other primary metals	4,960	5,014	5,376	-1.1	-6.7	+6.2	5,039	4,716	5,611	5,579	-9.7	41,577	44,187
Fabricated metal products	14,081	13,811	14,249	+2.0	-3.1	+1.0	14,172	12,521	15,409	13,491	+5.0	111,356	105,216
Industrial machinery and equipment	23,821	23,482	23,190	+1.4	+1.3	-0.4	22,084	20,412	26,974	19,611	+12.6	183,452	163,956
Engines and turbines	1,556	1,516	1,610	+2.6	-5.8	+7.6	1,384	1,126	1,898	1,214	+14.0	11,553	10,402
Farm and garden machinery	1,480	1,456	1,488	+1.6	-2.2	-4.3	1,097	1,089	1,526	876	+25.2	12,366	10,554
Construction, mining and material handling equipment	2,382	2,363	2,423	+0.8	-2.5	-2.7	2,296	2,189	2,672	2,089	+9.9	19,644	16,464
Metalworking machinery	2,526	2,521	2,462	+0.2	+2.4	-6.5	2,385	2,112	2,724	2,327	+2.5	19,694	18,103
Computer and office equipment	6,543	6,461	6,018	+1.3	+7.4	+0.8	5,876	5,131	8,037	4,869	+20.7	46,500	40,535
Electronic and other electrical equipment	19,586	19,228	19,517	+1.9	-1.5	+3.6	19,436	17,219	20,958	16,932	+14.8	147,208	133,164
Electrical transmission and distribution equipment and industrial apparatus	2,411	2,374	2,361	+1.6	+0.6	0.0	2,352	2,112	2,575	2,231	+5.4	18,838	18,172
Household appliances	1,729	1,722	1,656	+0.4	+4.0	+3.8	1,734	1,671	1,861	1,515	+14.5	13,102	11,878
Electric lighting and wiring equipment	1,657	1,654	1,696	+0.2	-2.5	+0.4	1,612	1,402	1,825	1,503	+7.3	13,046	11,935
Household audio and video equipment	936	982	905	-4.7	+8.5	+1.2	1,001	846	858	1,011	-1.0	6,618	6,612
Communications equipment	3,938	3,869	3,965	+1.8	-2.4	+4.9	3,815	3,364	4,404	3,256	+17.2	28,930	26,047
Electronic components	6,886	6,708	7,041	+2.7	-4.7	+7.2	6,893	6,228	7,346	5,656	+21.9	52,098	44,889
Transportation equipment	33,888	30,865	35,443	+9.8	-12.9	+3.4	32,626	23,603	39,396	30,995	+5.3	274,836	253,499
Motor vehicles and parts	21,737	20,070	22,894	+8.3	-12.3	+2.5	21,187	13,993	25,490	19,285	+9.9	181,539	152,512
Aircraft, missiles, space vehicles, and parts	9,904	8,461	10,150	+17.1	-16.6	+5.5	9,167	7,418	11,502	9,350	-2.0	74,328	82,937
Shipbuilding and tanks	944	1,067	944	-11.5	+13.0	-0.2	928	1,017	947	1,015	-8.6	7,605	7,847
Instruments and related products	10,850	10,647	10,837	+1.9	-1.8	+2.6	10,472	9,603	11,826	10,098	+3.7	83,239	82,815
Search and navigation equipment	2,583	2,755	2,811	-6.2	-2.0	+1.7	2,479	2,354	3,058	2,635	-5.9	20,868	21,580
Measuring and controlling devices	2,933	2,843	2,847	+3.2	-0.1	-2.2	2,880	2,575	3,041	2,755	+4.5	22,677	22,127
Medical instruments and supplies	2,990	2,864	3,002	+4.4	-4.6	+9.0	2,909	2,671	3,234	2,757	+5.5	22,943	22,894
Photographic goods	2,005	1,847	1,847	+8.6	0.0	+2.5	1,861	1,667	2,137	1,623	+14.7	14,079	13,685
All other durable goods	14,653	14,397	14,412	+1.8	-0.1	+0.3	15,382	13,543	15,535	14,187	+8.4	115,735	106,181
Nondurable goods industries	121,619	122,423	123,257	-0.7	-0.7	+1.3	123,768	117,588	129,424	119,969	+3.2	970,126	936,905
With unfilled orders	29,329	29,695	29,315	-1.2	+1.3	-0.8	29,998	28,194	29,799	29,411	+2.0	232,149	228,340
Food and kindred products	35,027	34,443	34,342	+1.7	+0.3	+2.7	35,194	33,096	35,711	32,863	+7.1	269,980	258,537
Meat products	8,034	7,971	7,989	+0.8	-0.2	+0.9	8,235	7,815	8,333	7,628	+8.0	62,968	58,677
Dairy products	4,493	4,516	4,575	-0.5	-1.3	+2.3	4,610	4,537	4,838	4,538	+1.6	35,758	34,831
Beverages	5,014	4,896	4,914	+2.4	-0.4	+1.0	5,350	5,183	5,659	5,029	+6.4	39,479	38,669
All other foods, except fats and oils	15,710	15,391	15,119	+2.1	+1.8	+4.1	15,223	13,892	15,136	14,110	+7.9	118,119	113,672
Tobacco products	2,025	3,270	2,777	-38.1	+17.8	+7.5	1,871	2,565	3,437	1,933	-3.2	20,375	19,742
Textile mill products	5,890	5,887	5,844	+0.1	+0.7	-0.4	6,282	5,187	6,448	6,205	+1.2	46,231	45,863
Broadwoven fabrics and other textiles	3,534	3,625	3,564	-2.5	+1.7	-1.7	3,746	3,134	3,838	3,867	-3.1	28,743	28,876
Paper and allied products	10,642	10,724	10,757	-0.8	-0.3	-1.3	10,857	10,561	11,216	11,206	-3.1	86,246	87,513
Pulp, paper, and paperboard mill products	4,312	4,362	4,371	-1.1	-0.2	-0.7	4,351	4,344	4,542	4,483	-2.9	34,936	35,746
Paperboard containers and boxes	2,631	2,666	2,642	-1.3	+0.9	-1.1	2,718	2,594	2,725	2,819	-3.6	21,269	21,673
Miscellaneous converted paper products	3,699	3,696	3,744	+0.1	-1.3	-2.3	3,788	3,623	3,949	3,904	-3.0	30,041	30,094
Chemicals and allied products	25,831	26,008	26,691	-0.7	-2.6	+3.9	25,627	24,821	28,460	25,033	+2.4	209,992	201,434
Industrial chemicals	13,387	13,389	13,651	0.0	-1.9	+2.3	13,467	13,057	14,314	13,269	+1.5	108,634	104,561
Drugs, soaps, and toiletries	9,570	9,709	9,863	-1.4	-1.6	+6.0	9,532	9,095	10,444	9,167	+4.0	75,784	71,569
Petroleum and coal products	11,945	12,288	12,707	-2.8	-3.3	-2.4	12,498	12,599	13,306	13,602	-8.1	100,002	100,983
Rubber and plastics products	8,616	8,215	8,626	+4.9	-4.8	+0.2	8,770	7,885	9,387	8,670	+1.2	69,456	69,744
All other nondurable goods	21,643	21,588	21,513	+0.3	+0.3	-0.4	22,669	20,874	21,459	20,457	+10.8	167,844	153,089

^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.

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

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1993 ^p	July 1993 ^r	June 1993	July-Aug.	June-July	May-June	Aug. 1993 ^p	July 1993 ^r	June 1993	Aug. 1992		1993 ^p	1992
All manufacturing industries	252,811	250,566	255,462	+0.9	-1.9	+2.9	251,743	230,096	272,580	236,726	+6.3	2,005,907	1,894,844
Manufacturing industries													
with unfilled orders	134,628	133,155	134,907	+1.1	-1.3	+4.1	132,318	120,737	143,651	122,840	+7.7	1,052,934	1,003,537
without defense capital goods	245,641	243,335	249,674	+0.9	-2.5	+2.8	245,750	224,122	267,140	231,941	+6.0	1,956,874	1,847,732
Durable goods industries	131,450	128,520	132,252	+2.3	-2.8	+4.3	128,093	112,603	143,151	116,764	+9.7	1,034,832	956,905
With unfilled orders	105,557	103,837	105,639	+1.7	-1.7	+5.4	102,438	92,638	113,847	93,436	+9.6	819,836	774,163
Stone, clay, and glass products	5,765	5,818	5,449	-0.9	+6.8	-7.6	6,324	5,986	6,063	6,138	+3.0	46,647	44,400
Primary metals	10,939	10,859	11,095	+0.7	-2.1	+1.2	10,676	10,214	11,517	11,132	-4.1	93,134	91,105
Blast furnaces, steel mills	5,133	4,889	5,097	+5.0	-4.1	-0.8	5,086	4,708	5,336	4,666	+9.0	43,710	38,569
Iron and steel foundries	855	1,098	927	-22.1	+18.4	-4.4	906	968	990	1,099	-17.6	8,198	8,068
Nonferrous and other primary metals	4,951	4,872	5,071	+1.6	-3.9	+4.5	4,684	4,538	5,191	5,367	-12.7	41,226	44,468
Fabricated metal products	14,008	13,629	13,774	+2.8	-1.1	-1.0	14,131	12,393	14,749	13,213	+6.9	109,917	103,403
Industrial machinery and equipment	24,095	23,733	22,932	+1.5	+3.5	-1.2	22,595	20,545	26,248	19,275	+17.2	184,075	162,050
Engines and turbines	1,556	1,639	1,713	-5.1	-4.3	+23.0	1,612	1,385	2,046	1,462	+10.3	11,586	10,574
Construction, mining and material handling equipment	2,517	2,376	2,280	+5.9	+4.2	-11.8	2,425	2,151	2,389	2,041	+18.8	19,686	16,261
Metalworking machinery	2,653	2,536	2,652	+4.6	-4.4	+10.1	2,512	2,127	2,914	1,978	+27.0	19,361	17,854
Computer and office equipment	6,395	6,299	5,927	+1.5	+6.3	-5.3	5,831	4,889	7,853	5,006	+16.5	46,714	39,551
Electronic and other													
electrical equipment	19,606	20,448	19,865	-4.1	+2.9	+9.2	19,236	18,617	20,514	16,879	+14.0	148,771	133,686
Electrical transmission and distribution equipment and industrial apparatus	2,480	2,341	2,316	+5.9	+1.1	0.0	2,432	2,113	2,491	2,221	+9.5	19,105	17,915
Electric lighting and wiring equipment	1,634	1,731	1,675	-5.6	+3.3	-4.2	1,589	1,479	1,804	1,528	+4.0	13,242	11,788
Communications equipment	3,998	3,906	4,405	+2.4	-11.3	+15.2	3,809	3,443	4,873	3,166	+20.3	28,950	26,038
Electronic components	6,911	7,635	6,888	-9.5	+10.8	+16.9	6,710	7,093	6,611	5,674	+18.3	52,546	45,624
Transportation equipment	31,488	29,203	34,903	+7.8	-16.3	+14.5	29,647	21,460	38,284	26,742	+10.9	254,057	235,925
Aircraft, missiles, space vehicles, and parts	7,549	6,093	9,599	+23.9	-36.5	+52.5	6,253	4,452	10,543	5,904	+5.9	53,327	67,351
Shipbuilding and tanks	915	1,635	637	-44.0	+156.7	+158.9	896	1,575	651	484	+85.1	6,985	4,975
Instruments and related products	10,790	10,483	9,747	+2.9	+7.6	-0.9	10,213	9,591	10,326	9,630	+6.1	80,996	78,622
Search and navigation equipment	2,815	2,441	2,024	+15.3	+20.6	-4.3	2,501	2,205	1,827	1,726	+44.9	19,238	17,865
Measuring and controlling devices	2,817	2,847	2,822	-1.1	+0.9	+3.3	2,764	2,579	3,016	2,656	+4.1	22,514	21,706
Medical instruments and supplies	2,829	2,920	2,744	-3.1	+6.4	-4.8	2,748	2,727	2,976	3,253	-15.5	22,447	22,841
All other durable goods	14,759	14,347	14,487	+2.9	-1.0	+1.3	15,271	13,797	15,450	13,755	+11.0	117,235	107,714
Nondurable goods industries	121,361	122,046	123,210	-0.6	-0.9	+1.4	123,650	117,493	129,429	119,962	+3.1	971,075	937,939
With unfilled orders	29,071	29,318	29,268	-0.8	+0.2	-0.5	29,880	28,099	29,804	29,404	+1.6	233,098	229,374

^p Preliminary. ^r Revised.

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

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

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 Aug. 93/92
	Aug. 1993 ^P	July 1993 ^T	June 1993	July- Aug.	June- July	May- June	Aug. 1993 ^P	July 1993 ^T	June 1993	Aug. 1992	
All manufacturing industries	455,495	458,195	459,309	-0.6	-0.2	-0.6	455,221	459,068	459,344	486,126	-6.4
Manufacturing industries without defense capital goods	331,975	334,763	335,514	-0.8	-0.2	-0.3	333,538	336,638	336,160	355,219	-6.1
Durable goods industries	433,192	435,634	436,371	-0.6	-0.2	-0.6	432,211	435,940	436,121	462,715	-6.6
Stone, clay, and glass products	7,339	7,315	7,197	+0.3	+1.6	-4.2	7,754	7,674	7,310	7,538	+2.9
Primary metals	22,025	22,358	22,626	-1.5	-1.2	-2.3	22,175	22,905	22,952	21,572	+2.8
Blast furnaces, steel mills	10,008	10,186	10,512	-1.7	-3.1	-1.4	10,228	10,480	10,577	8,291	+23.4
Iron and steel foundries	2,843	2,989	2,789	-4.9	+7.2	-2.8	2,874	2,997	2,769	2,917	-1.5
Nonferrous and other primary metals	9,174	9,183	9,325	-0.1	-1.5	-3.2	9,073	9,428	9,606	10,364	-12.5
Fabricated metal products	21,383	21,456	21,638	-0.3	-0.8	-2.1	21,322	21,363	21,491	22,117	-3.6
Industrial machinery and equipment	50,887	50,613	50,362	+0.5	+0.5	-0.5	50,742	50,231	50,098	50,853	-0.2
Engines and turbines	10,020	10,020	9,897	0.0	+1.2	+1.1	10,089	9,861	9,602	9,676	+4.3
Construction, mining and material handling equipment	5,774	5,639	5,626	+2.4	+0.2	-2.5	5,641	5,512	5,550	5,503	+2.5
Metalworking machinery	7,000	6,873	6,858	+1.8	+0.2	+2.8	7,000	6,873	6,858	8,228	-14.9
Computer and office equipment	7,170	7,318	7,480	-2.0	-2.2	-1.2	7,335	7,380	7,622	7,663	-4.3
Electronic and other electrical equipment	43,749	43,729	42,509	0.0	+2.9	+0.8	43,650	43,850	42,452	42,090	+3.7
Electrical transmission and distribution equipment and industrial apparatus	5,807	5,738	5,771	+1.2	-0.6	-0.8	5,819	5,739	5,738	5,952	-2.2
Electric lighting and wiring equipment	3,176	3,199	3,122	-0.7	+2.5	-0.7	3,176	3,199	3,122	2,976	+6.7
Communications equipment	13,487	13,427	13,390	+0.4	+0.3	+3.4	13,442	13,448	13,369	13,226	+1.6
Electronic components	16,276	16,251	15,324	+0.2	+6.0	-1.0	16,130	16,313	15,448	15,214	+6.0
Transportation equipment	226,402	228,802	230,464	-1.0	-0.7	-0.2	225,067	228,046	230,189	256,309	-12.2
Aircraft, missiles, space vehicles, and parts.	197,559	199,914	202,282	-1.2	-1.2	-0.3	196,175	199,089	202,055	225,792	-13.1
Shipbuilding and tanks	20,535	20,564	19,996	-0.1	+2.8	-1.5	20,594	20,626	20,068	22,804	-9.7
Instruments and related products	53,713	53,773	53,937	-0.1	-0.3	-2.0	53,344	53,603	53,615	54,127	-1.4
Search and navigation equipment	35,933	35,701	36,015	+0.6	-0.9	-2.1	35,525	35,503	35,652	36,183	-1.8
Measuring and controlling devices	9,025	9,141	9,137	-1.3	0.0	-0.3	9,025	9,141	9,137	8,799	+2.6
Medical instruments and supplies	7,927	8,088	8,032	-2.0	+0.7	-3.1	7,927	8,088	8,032	8,175	-3.0
All other durable goods	7,694	7,588	7,638	+1.4	-0.7	+1.0	8,157	8,268	8,014	8,109	+0.6
Nondurable goods industries	22,303	22,561	22,938	-1.1	-1.6	-0.2	23,010	23,128	23,223	23,411	-1.7

^P Preliminary. ^T Revised.

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. 93/92
	Aug. 1993 ^p	July 1993 ^r	June 1993	July- Aug.	June- July	May- June	Aug. 1993 ^p	July 1993 ^r	June 1993	Aug. 1992	
All manufacturing industries	381,418	381,561	381,326	0.0	+0.1	-0.1	383,492	381,635	379,758	387,101	-0.9
Manufacturing industries with unfilled orders	251,651	252,122	251,446	-0.2	+0.3	-0.1	254,425	253,841	251,621	261,034	-2.5
without defense capital goods	353,365	353,441	352,881	0.0	+0.2	0.0	354,874	353,146	350,982	354,399	+0.1
Durable goods industries	237,484	237,937	237,514	-0.2	+0.2	-0.1	239,447	238,501	236,961	245,325	-2.4
With unfilled orders	218,176	218,813	218,182	-0.3	+0.3	-0.1	220,428	220,004	218,042	227,000	-2.9
Stone, clay, and glass products	7,627	7,692	7,687	-0.8	+0.1	-0.5	7,581	7,728	7,717	7,856	-3.5
Primary metals	19,380	19,305	19,151	+0.4	+0.8	-0.3	19,551	19,318	19,059	20,043	-2.5
Blast furnaces, steel mills	9,449	9,553	9,431	-1.1	+1.3	-0.1	9,506	9,581	9,237	9,999	-4.9
Iron and steel foundries	1,393	1,380	1,374	+0.9	+0.4	-1.1	1,379	1,350	1,393	1,394	-1.1
Nonferrous and other primary metals	8,538	8,372	8,346	+2.0	+0.3	-0.3	8,666	8,387	8,429	8,650	+0.2
Fabricated metal products	23,186	23,130	23,026	+0.2	+0.5	-0.4	23,203	23,191	23,267	23,952	-3.1
Industrial machinery and equipment	45,452	45,282	45,103	+0.4	+0.4	+0.7	45,976	45,317	44,624	46,676	-1.5
Engines and turbines	3,631	3,571	3,538	+1.7	+0.9	-0.4	3,789	3,621	3,524	3,647	+3.9
Farm and garden machinery	2,147	2,124	2,115	+1.1	+0.4	+0.8	2,055	1,988	2,033	2,227	-7.7
Construction, mining and material handling equipment	5,786	5,805	5,863	-0.3	-1.0	0.0	5,751	5,759	5,902	5,942	-3.2
Metalworking machinery	5,187	5,181	5,238	+0.1	-1.1	+1.3	5,301	5,214	5,183	5,581	-5.0
Computer and office equipment	10,565	10,595	10,345	-0.3	+2.4	+2.1	10,998	10,808	9,958	10,781	+2.0
Electronic and other electrical equipment	33,222	33,013	32,611	+0.6	+1.2	0.0	33,683	33,395	32,897	31,988	+5.3
Electrical transmission and distribution equipment and industrial apparatus	4,376	4,379	4,371	-0.1	+0.2	-0.2	4,418	4,411	4,390	4,631	-4.6
Household appliances	2,513	2,525	2,561	-0.5	-1.4	-2.0	2,440	2,522	2,680	2,459	-0.8
Electric lighting and wiring equipment	2,914	2,907	2,872	+0.2	+1.2	+0.4	2,955	2,974	2,953	2,986	-1.0
Household audio and video equipment	1,159	1,190	1,145	-2.6	+3.9	+4.4	1,242	1,248	1,191	1,223	+1.6
Communications equipment	8,688	8,525	8,307	+1.9	+2.6	+0.2	8,802	8,582	8,289	7,389	+19.1
Electronic components	10,147	10,074	9,954	+0.7	+1.2	-0.5	10,350	10,224	9,968	9,793	+5.7
Transportation equipment	63,993	64,998	65,267	-1.5	-0.4	-0.6	64,452	64,810	64,547	70,360	-8.4
Motor vehicles and parts	11,519	11,397	11,511	+1.1	-1.0	+0.3	11,728	10,915	10,954	12,239	-4.2
Aircraft, missiles, space vehicles, and parts	48,070	49,213	49,326	-2.3	-0.2	-1.0	48,335	49,465	49,154	53,641	-9.9
Shipbuilding and tanks	1,765	1,824	1,878	-3.2	-2.9	+3.5	1,784	1,907	1,919	2,100	-15.0
Instruments and related products	22,548	22,602	22,750	-0.2	-0.7	-0.1	22,838	22,800	22,882	23,883	-4.4
Search and navigation equipment	5,817	5,870	6,007	-0.9	-2.3	-0.9	5,979	5,984	6,043	7,364	-18.8
Measuring and controlling devices	6,608	6,621	6,616	-0.2	+0.1	+0.1	6,661	6,654	6,634	6,688	-0.4
Medical instruments and supplies	6,335	6,335	6,348	0.0	-0.2	0.0	6,348	6,333	6,345	6,296	+0.8
Photographic goods	2,988	2,980	2,993	+0.3	-0.4	+0.5	3,048	3,021	3,048	2,804	+8.7
All other durable goods	22,076	21,915	21,919	+0.7	0.0	+0.4	22,163	21,942	21,968	20,567	+7.8
Nondurable goods industries	143,934	143,624	143,812	+0.2	-0.1	0.0	144,045	143,134	142,797	141,776	+1.6
With unfilled orders	33,475	33,309	33,264	+0.5	+0.1	0.0	33,997	33,837	33,579	34,034	-0.1
Food and kindred products	29,988	30,162	30,277	-0.6	-0.4	+0.3	30,052	29,305	28,814	30,042	0.0
Meat products	3,213	3,181	3,102	+1.0	+2.5	+0.5	3,171	3,177	3,095	2,778	+14.1
Dairy products	2,762	2,793	2,825	-1.1	-1.1	-2.1	2,878	2,913	2,927	2,923	-1.5
Beverages	5,357	5,327	5,329	+0.6	0.0	-0.3	5,266	5,253	5,311	5,286	-0.4
All other foods, except fats and oils	17,081	17,273	17,530	-1.1	-1.5	+0.6	17,337	16,489	16,061	17,745	-2.3
Tobacco products	6,708	6,714	6,810	-0.1	-1.4	+1.2	6,487	6,333	6,418	6,585	-1.5
Textile mill products	9,176	9,200	9,239	-0.3	-0.4	-0.7	9,313	9,399	9,339	9,172	+1.5
Broadwoven fabrics and other textiles	5,177	5,210	5,287	-0.6	-1.5	-1.7	5,208	5,288	5,291	5,384	-3.3
Paper and allied products	13,729	13,596	13,504	+1.0	+0.7	-0.1	13,593	13,538	13,560	13,543	+0.4
Pulp, paper, and paperboard mill products	5,780	5,719	5,651	+1.1	+1.2	+0.6	5,722	5,680	5,661	5,684	+0.7
Paperboard containers and boxes	3,217	3,222	3,242	-0.2	-0.6	+0.1	3,182	3,237	3,240	3,242	-1.9
Miscellaneous converted paper products	4,732	4,655	4,611	+1.7	+1.0	-0.9	4,689	4,621	4,659	4,617	+1.6
Chemicals and allied products	35,027	34,853	34,913	+0.5	-0.2	-0.4	34,770	34,664	34,709	34,258	+1.5
Industrial chemicals	17,231	17,106	17,096	+0.7	+0.1	-0.7	17,076	17,070	17,041	17,247	-1.0
Drugs, soaps, and toiletries	13,528	13,461	13,465	+0.5	0.0	0.0	13,663	13,551	13,597	13,009	+5.0
Petroleum and coal products	11,236	11,247	11,389	-0.1	-1.2	-2.0	11,251	11,256	11,448	11,978	-6.1
Rubber and plastics products	12,208	12,181	12,130	+0.2	+0.4	+0.4	12,011	12,063	12,044	11,222	+7.0
All other nondurable goods	25,862	25,671	25,550	+0.7	+0.5	+0.7	26,568	26,576	26,465	24,976	+6.4

^p Preliminary. ^r Revised.

**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		
	Aug. 1993 ^p	July 1993 ^r	June 1993	July-Aug.	June-July	May-June	Aug. 1993 ^p	July 1993 ^r	June 1993	Aug. 1992		Aug. 93/92	1993 ^p	1992
SHIPMENTS														
All manufacturing industries	255,511	251,680	258,299	+1.5	-2.6	+1.7	255,590	230,372	278,186	242,876	+5.2	2,022,872	1,916,485	
Market categories :														
Automotive equipment	11,116	10,421	11,653	+6.7	-10.6	+1.6	10,886	7,539	12,822	9,982	+9.1	92,590	78,012	
Home goods and apparel	17,751	17,352	17,588	+2.3	-1.3	+0.6	19,052	16,317	18,437	16,980	+12.2	136,131	121,123	
Consumer staples	56,426	57,667	57,318	-2.2	+0.6	+2.5	56,673	55,068	60,200	54,974	+3.1	447,749	432,308	
Machinery and equipment	43,980	41,355	43,926	+6.3	-5.9	+2.2	41,603	35,402	49,839	37,531	+10.8	338,526	309,655	
Business supplies	19,281	19,469	19,636	-1.0	-0.9	+0.5	19,234	18,404	20,229	18,817	+2.2	154,081	150,676	
Construction materials and supplies	16,303	15,892	16,382	+2.6	-3.0	-0.1	17,210	15,432	18,131	16,217	+6.1	129,892	120,901	
Defense products	7,370	7,815	7,870	-5.7	-0.7	+4.2	7,120	7,034	8,334	7,669	-7.2	59,310	62,942	
Other materials, supplies and and intermediate products	83,284	81,709	83,926	+1.9	-2.6	+1.5	83,812	75,176	90,194	80,706	+3.8	664,593	640,868	
Durable goods industries :														
Nondefense capital goods ³	33,745	31,723	33,390	+6.4	-5.0	+2.1	31,733	27,823	38,768	28,810	+10.1	255,419	240,270	
Excluding aircraft and parts	27,694	27,447	27,312	+0.9	+0.5	+0.8	26,198	24,162	31,576	23,567	+11.2	212,138	191,651	
Defense capital goods ⁴	7,082	7,594	7,594	-6.7	0.0	+2.8	6,740	6,728	8,069	7,430	-9.3	57,130	61,654	
Durables excluding capital goods	93,065	89,940	94,058	+3.5	-4.4	+2.0	93,349	78,233	101,925	86,667	+7.7	740,197	677,656	
Miscellaneous series :														
Producers' durable equipment	85,255	80,951	85,476	+5.3	-5.3	+1.7	82,257	67,794	95,388	74,902	+9.8	666,802	606,324	
Household durable goods	7,437	7,435	7,404	0.0	+0.4	+2.7	7,608	6,510	7,653	7,122	+6.8	56,733	52,866	
Information technology industries	15,634	15,251	14,878	+2.5	+2.5	+1.2	14,654	12,938	17,852	12,736	+15.1	114,087	104,277	
Health care equipment and products	8,183	8,126	8,352	+0.7	-2.7	+7.0	8,085	7,600	8,901	7,732	+4.6	64,070	61,741	
NEW ORDERS														
All manufacturing industries	252,811	250,566	255,462	+0.9	-1.9	+2.9	251,743	230,096	272,580	236,726	+6.3	2,005,907	1,894,844	
Market categories :														
Automotive equipment	11,090	10,475	11,677	+5.9	-10.3	+1.3	10,857	7,641	12,783	9,959	+9.0	92,735	78,018	
Home goods and apparel	17,654	17,425	17,709	+1.3	-1.6	+2.0	18,989	16,715	18,571	16,943	+12.1	138,708	122,996	
Consumer staples	56,431	57,639	57,294	-2.1	+0.6	+2.3	56,698	55,089	60,250	54,996	+3.1	447,778	432,358	
Machinery and equipment	42,418	40,228	44,534	+5.4	-9.7	+9.6	40,021	34,156	49,946	34,827	+14.9	326,526	301,580	
Business supplies	19,325	19,314	19,541	+0.1	-1.2	+0.2	19,332	18,292	20,155	18,812	+2.8	153,956	150,821	
Construction materials and supplies	16,305	15,919	16,014	+2.4	-0.6	-2.7	17,196	15,562	17,703	16,124	+6.6	130,432	121,108	
Defense products	7,511	7,442	6,127	+0.9	+21.5	+8.5	6,501	6,247	5,813	5,328	+22.0	51,342	49,084	
Other materials, supplies and and intermediate products	82,077	82,124	82,566	-0.1	-0.5	+1.7	82,149	76,394	87,359	79,737	+3.0	664,430	638,879	
Durable goods industries :														
Nondefense capital goods ³	31,859	30,093	33,850	+5.9	-11.1	+13.1	30,136	26,087	38,698	25,856	+16.6	241,227	230,741	
Excluding aircraft and parts	27,927	27,601	27,577	+1.2	+0.1	+3.1	26,720	24,210	31,311	22,855	+16.9	213,778	190,001	
Defense capital goods ⁴	7,170	7,231	5,788	-0.8	+24.9	+6.5	5,993	5,974	5,440	4,785	+25.2	49,033	47,112	
Durables excluding capital goods	92,421	91,196	92,614	+1.3	-1.5	+1.3	91,964	80,542	99,013	86,123	+6.8	744,572	679,052	
Miscellaneous series :														
Producers' durable equipment	84,310	80,708	86,373	+4.5	-6.6	+5.7	81,420	68,154	95,086	72,072	+13.0	659,441	598,065	
Household durable goods	7,534	7,554	7,386	-0.3	+2.3	+3.3	7,716	6,858	7,510	7,029	+9.8	58,275	53,994	
Information technology industries	15,182	15,085	14,984	+0.6	+0.7	+1.2	14,289	12,720	17,871	12,621	+13.2	114,339	102,625	
Health care equipment and products	8,022	8,182	8,094	-2.0	+1.1	+2.1	7,924	7,657	8,643	8,227	-3.7	63,576	61,688	

^p Preliminary. ^r Revised.

¹ Topical series are regroupings of the separate industry categories.

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

³ Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

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

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

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Aug. 93/92
	Aug. 1993 ^p	July 1993 ^r	June 1993	July- Aug.	June- July	May- June	Aug. 1993 ^p	July 1993 ^r	June 1993	Aug. 1992	
UNFULFILLED ORDERS											
All manufacturing industries	455,495	458,195	459,309	-0.6	-0.2	-0.6	455,221	459,068	459,344	486,126	-6.4
Market categories :											
Automotive equipment	1,722	1,748	1,695	-1.5	+3.1	+1.4	1,730	1,759	1,657	1,676	+3.2
Home goods and apparel	10,360	10,458	10,385	-0.9	+0.7	+1.2	11,168	11,230	10,833	10,109	+10.5
Consumer staples	1,432	1,427	1,456	+0.4	-2.0	-1.6	1,468	1,443	1,422	1,390	+5.6
Machinery and equipment	185,634	187,195	188,322	-0.8	-0.6	+0.3	185,505	187,087	188,333	206,311	-10.1
Business supplies	5,445	5,401	5,556	+0.8	-2.8	-1.7	5,563	5,465	5,577	5,978	-6.9
Construction materials and supplies	14,689	14,688	14,661	0.0	+0.2	-2.4	14,867	14,881	14,751	14,479	+2.7
Defense products	117,257	117,116	117,489	+0.1	-0.3	-1.5	115,368	115,987	116,774	123,635	-6.7
Other materials, supplies and and intermediate products	118,956	120,162	119,745	-1.0	+0.3	-1.1	119,552	121,216	119,997	122,548	-2.4
Durable goods industries :											
Nondefense capital goods ³	203,122	205,008	206,638	-0.9	-0.8	+0.2	202,992	204,589	206,325	226,203	-10.3
Excluding aircraft and parts	72,030	71,797	71,643	+0.3	+0.2	+0.4	71,900	71,378	71,330	71,253	+0.9
Defense capital goods ⁴	123,520	123,432	123,795	+0.1	-0.3	-1.4	121,683	122,430	123,184	130,907	-7.0
Durables excluding capital goods	106,550	107,194	105,938	-0.6	+1.2	-1.3	107,536	108,921	106,612	105,605	+1.8
Miscellaneous series :											
Producers' durable equipment	210,600	211,545	211,788	-0.4	-0.1	+0.4	211,013	211,850	211,490	228,367	-7.6
Household durable goods	5,527	5,430	5,311	+1.8	+2.2	-0.3	5,968	5,860	5,512	5,534	+7.8
Information technology industries	31,179	31,631	31,797	-1.4	-0.5	+0.3	31,368	31,733	31,951	31,116	+0.8
Health care equipment and products	7,956	8,117	8,061	-2.0	+0.7	-3.1	7,957	8,118	8,062	8,204	-3.0
TOTAL INVENTORIES											
All manufacturing industries	381,418	381,561	381,326	0.0	+0.1	-0.1	383,492	381,635	379,758	387,101	-0.9
Market categories :											
Automotive equipment	6,195	6,120	6,206	+1.2	-1.4	0.0	6,198	5,877	5,999	6,231	-0.5
Home goods and apparel	30,634	30,408	30,176	+0.7	+0.8	+0.6	31,062	31,230	31,298	28,550	+8.8
Consumer staples	59,095	59,197	59,557	-0.2	-0.6	-0.1	59,237	58,236	58,103	59,105	+0.2
Machinery and equipment	88,135	88,579	88,398	-0.5	+0.2	0.0	88,622	88,581	87,654	89,730	-1.2
Business supplies	21,501	21,462	21,520	+0.2	-0.3	-0.7	21,815	21,603	21,507	22,411	-2.7
Construction materials and supplies	23,501	23,431	23,415	+0.3	+0.1	+0.5	23,527	23,556	23,630	22,798	+3.2
Defense products	26,519	26,591	26,886	-0.3	-1.1	-1.1	27,009	26,928	27,119	30,493	-11.4
Other materials, supplies and and intermediate products	125,838	125,773	125,168	+0.1	+0.5	-0.1	126,022	125,624	124,448	127,783	-1.4
Durable goods industries :											
Nondefense capital goods ³	82,873	83,700	83,217	-1.0	+0.6	+0.1	83,532	84,079	82,469	85,460	-2.3
Excluding aircraft and parts	56,005	55,651	55,284	+0.6	+0.7	+0.7	56,836	56,047	55,049	56,287	+1.0
Defense capital goods ⁴	28,053	28,120	28,445	-0.2	-1.1	-0.8	28,618	28,489	28,776	32,702	-12.5
Durables excluding capital goods	126,558	126,117	125,852	+0.3	+0.2	0.0	127,297	125,933	125,716	127,163	+0.1
Miscellaneous series :											
Producers' durable equipment	142,387	142,240	142,308	+0.1	0.0	0.0	143,388	142,171	141,590	145,139	-1.2
Household durable goods	13,568	13,499	13,384	+0.5	+0.9	+0.2	13,797	13,754	13,697	13,169	+4.8
Information technology industries	29,889	29,737	29,340	+0.5	+1.4	+1.0	30,571	30,107	29,017	29,089	+5.1
Health care equipment and products	13,678	13,642	13,657	+0.3	-0.1	0.0	13,760	13,687	13,723	13,355	+3.0

See footnotes at end of table 5.

**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. 93/92
	Aug. 1993 ^p	July 1993 ^r	June 1993	July- Aug.	June- July	May- June	Aug. 1993 ^p	July 1993 ^r	June 1993	Aug. 1992	
MATERIALS AND SUPPLIES											
All manufacturing industries	121,153	121,004	121,218	+0.1	-0.2	-0.1	121,342	120,669	120,138	121,890	-0.4
Durable goods industries	68,548	68,357	68,163	+0.3	+0.3	-0.3	69,193	68,216	67,478	69,901	-1.0
Stone, clay, and glass products	2,497	2,505	2,521	-0.3	-0.6	+1.0	2,520	2,523	2,518	2,517	+0.1
Primary metals	6,185	6,228	6,237	-0.7	-0.1	+0.8	6,224	6,216	6,119	6,261	-0.6
Fabricated metal products	7,666	7,646	7,700	+0.3	-0.7	+1.4	7,747	7,676	7,707	8,294	-6.6
Industrial machinery and equipment . .	14,252	14,267	14,423	-0.1	-1.1	-1.3	14,357	14,258	14,252	13,755	+4.4
Electronic and other electrical equipment	10,555	10,517	10,449	+0.4	+0.7	+0.8	10,663	10,599	10,352	10,363	+2.9
Transportation equipment	11,799	11,757	11,606	+0.4	+1.3	-3.7	11,978	11,533	11,481	13,637	-12.2
Instruments and related products . . .	6,810	6,822	6,761	-0.2	+0.9	-1.0	6,847	6,841	6,800	7,011	-2.3
Lumber, furniture and miscellaneous durable goods	8,784	8,615	8,466	+2.0	+1.8	+2.4	8,857	8,570	8,249	8,063	+9.8
Nondurable goods industries	52,605	52,647	53,055	-0.1	-0.8	+0.2	52,149	52,453	52,660	51,989	+0.3
Food and kindred products	10,075	10,122	10,292	-0.5	-1.7	+2.0	9,728	9,913	10,088	9,793	-0.7
Tobacco products	5,324	5,302	5,318	+0.4	-0.3	+0.4	5,102	5,001	5,056	4,970	+2.7
Textile mill products	2,604	2,604	2,622	0.0	-0.7	-0.6	2,630	2,685	2,659	2,683	-2.0
Paper and allied products	6,779	6,781	6,752	0.0	+0.4	+0.4	6,711	6,763	6,737	6,762	-0.8
Chemicals and allied products	11,419	11,450	11,526	-0.3	-0.7	-1.8	11,450	11,529	11,565	11,546	-0.8
Petroleum and coal products	3,166	3,136	3,223	+1.0	-2.7	-1.9	3,191	3,136	3,248	3,402	-6.2
Rubber and plastics products	4,405	4,439	4,424	-0.8	+0.3	-0.6	4,338	4,420	4,338	4,319	+0.4
Apparel, printing and publishing and leather goods	8,833	8,813	8,898	+0.2	-1.0	+1.8	8,999	9,006	8,969	8,514	+5.7
WORK IN PROCESS											
All manufacturing industries	129,621	129,747	129,403	-0.1	+0.3	+0.3	130,885	130,264	128,931	133,459	-1.9
Durable goods industries	106,340	106,545	106,306	-0.2	+0.2	+0.2	107,487	107,033	106,123	110,566	-2.8
Stone, clay, and glass products	1,138	1,130	1,130	+0.7	0.0	+0.6	1,139	1,138	1,135	1,163	-2.1
Primary metals	7,049	6,932	6,841	+1.7	+1.3	-1.0	7,192	6,994	6,903	7,530	-4.5
Fabricated metal products	7,627	7,596	7,586	+0.4	+0.1	-0.9	7,677	7,596	7,563	7,884	-2.6
Industrial machinery and equipment . .	18,344	18,079	17,471	+1.5	+3.5	+1.8	18,552	18,067	17,333	18,421	+0.7
Electronic and other electrical equipment	14,055	13,967	13,742	+0.6	+1.6	-0.5	14,242	14,047	13,765	12,906	+10.4
Transportation equipment	43,823	44,535	44,989	-1.6	-1.0	+0.1	44,051	44,711	44,773	47,533	-7.3
Instruments and related products . . .	9,674	9,752	9,951	-0.8	-2.0	+1.0	9,930	9,896	9,997	10,949	-9.3
Lumber, furniture and miscellaneous durable goods	4,630	4,554	4,596	+1.7	-0.9	+0.1	4,704	4,584	4,654	4,180	+12.5
Nondurable goods industries	23,281	23,202	23,097	+0.3	+0.5	+0.5	23,398	23,231	22,808	22,893	+2.2
Food and kindred products	3,760	3,765	3,755	-0.1	+0.3	+1.7	3,518	3,552	3,519	3,467	+1.5
Tobacco products	178	181	188	-1.7	-3.7	+5.0	144	134	139	79	+82.3
Textile mill products	2,448	2,459	2,452	-0.4	+0.3	-0.4	2,494	2,503	2,460	2,469	+1.0
Paper and allied products	1,234	1,216	1,221	+1.5	-0.4	-0.2	1,247	1,246	1,249	1,232	+1.2
Chemicals and allied products	5,766	5,777	5,666	-0.2	+2.0	+2.5	5,822	5,811	5,629	5,460	+6.6
Petroleum and coal products	2,607	2,621	2,600	-0.5	+0.8	-3.5	2,625	2,640	2,618	2,893	-9.3
Rubber and plastics products	1,724	1,704	1,743	+1.2	-2.2	+2.5	1,729	1,673	1,692	1,603	+7.9
Apparel, printing and publishing and leather goods	5,564	5,479	5,472	+1.6	+0.1	-0.7	5,819	5,672	5,502	5,690	+2.3
FINISHED GOODS											
All manufacturing industries	130,644	130,810	130,705	-0.1	+0.1	-0.4	131,265	130,702	130,689	131,752	-0.4
Durable goods industries	62,596	63,035	63,045	-0.7	0.0	-0.4	62,767	63,252	63,360	64,858	-3.2
Stone, clay, and glass products	3,992	4,057	4,036	-1.6	+0.5	-1.7	3,922	4,067	4,064	4,176	-6.1
Primary metals	6,146	6,145	6,073	0.0	+1.2	-0.5	6,135	6,108	6,037	6,252	-1.9
Fabricated metal products	7,893	7,888	7,740	+0.1	+1.9	-1.8	7,779	7,919	7,997	7,774	+0.1
Industrial machinery and equipment . .	12,856	12,936	13,209	-0.6	-2.1	+1.4	13,067	12,992	13,039	14,500	-9.9
Electronic and other electrical equipment	8,612	8,529	8,420	+1.0	+1.3	-0.3	8,778	8,749	8,780	8,719	+0.7
Transportation equipment	8,371	8,706	8,672	-3.8	+0.4	+0.1	8,423	8,566	8,293	9,190	-8.3
Instruments and related products . . .	6,064	6,028	6,038	+0.6	-0.2	-0.9	6,061	6,063	6,085	5,923	+2.3
Lumber, furniture and miscellaneous durable goods	8,662	8,746	8,857	-1.0	-1.3	-1.3	8,602	8,788	9,065	8,324	+3.3
Nondurable goods industries	68,048	67,775	67,660	+0.4	+0.2	-0.4	68,498	67,450	67,329	66,894	+2.4
Food and kindred products	16,153	16,275	16,230	-0.7	+0.3	-1.0	16,806	15,840	15,207	16,782	+0.1
Tobacco products	1,206	1,231	1,304	-2.0	-5.6	+3.8	1,241	1,198	1,223	1,536	-19.2
Textile mill products	4,124	4,137	4,165	-0.3	-0.7	-1.0	4,189	4,211	4,220	4,020	+4.2
Paper and allied products	5,716	5,599	5,531	+2.1	+1.2	-0.6	5,635	5,529	5,574	5,549	+1.5
Chemicals and allied products	17,842	17,626	17,721	+1.2	-0.5	-0.3	17,498	17,324	17,515	17,252	+1.4
Petroleum and coal products	5,463	5,490	5,566	-0.5	-1.4	-1.3	5,435	5,480	5,582	5,683	-4.4
Rubber and plastics products	6,079	6,038	5,963	+0.7	+1.3	+0.5	5,944	5,970	6,014	5,300	+12.2
Apparel, printing and publishing and leather goods	11,465	11,379	11,180	+0.8	+1.8	+0.6	11,750	11,898	11,994	10,772	+9.1

^p Preliminary. ^r Revised.

Table 8. RATIOS OF MANUFACTURES' 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			
	Aug. 1993 ^p	July 1993 ^r	June 1993	May 1993	Aug. 1993 ^p	July 1993 ^r	June 1993	May 1993
All manufacturing industries	1.49	1.52	1.48	1.50	3.32	3.41	3.33	3.42
Durable goods industries	1.77	1.84	1.76	1.80	4.01	4.17	4.02	4.15
Stone, clay, and glass products	1.33	1.35	1.33	1.35	1.38	1.38	1.34	1.41
Primary metals	1.72	1.73	1.65	1.72	1.95	2.01	1.95	2.07
Fabricated metal products	1.65	1.67	1.62	1.64	1.66	1.70	1.65	1.71
Industrial machinery and equipment	1.91	1.93	1.94	1.93	2.28	2.30	2.32	2.33
Electronic and other electrical equipment	1.70	1.72	1.67	1.73	2.23	2.27	2.18	2.24
Transportation equipment	1.89	2.11	1.84	1.92	12.31	13.99	12.18	12.84
Instruments and related products	2.08	2.12	2.10	2.16	4.95	5.05	4.98	5.21
Nondurable goods industries	1.18	1.17	1.17	1.18	0.76	0.76	0.78	0.78
Food and kindred products	0.86	0.88	0.88	0.90	(X)	(X)	(X)	(X)
Tobacco products	3.31	2.05	2.45	2.61	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.56	1.58	1.59	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.29	1.27	1.26	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.36	1.34	1.31	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.94	0.92	0.90	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.42	1.48	1.41	1.40	(X)	(X)	(X)	(X)

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

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

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

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug. ¹ 1993	Aug. ² 1988-1992	Aug. 1992-July 1993	Aug. ¹ 1993	Aug. ² 1988-1992	Aug. 1992-July 1993	Aug. ¹ 1993	Aug. ² 1988-1992	Aug. 1992-July 1993	Aug. ¹ 1993	Aug. ² 1988-1992	Aug. 1992-July 1993
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.2	0.3	0.3	0.3	0.3	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.3	0.4	(X)	0.5	0.8	(X)	0.3	0.4	(X)	0.2	0.1
Primary metals	-0.6	0.2	0.3	-0.7	0.4	0.9	-0.1	0.2	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.2	0.2	(X)	0.5	0.7	(X)	0.3	0.4	(X)	0.0	0.2
Industrial machinery and equipment	0.0	0.3	0.5	-0.8	0.6	0.5	-0.5	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.3	0.4	-0.1	0.5	0.5	-0.1	0.1	0.1	(X)	0.0	0.1
Transportation equipment	-0.2	0.9	0.7	-0.1	0.8	1.1	0.1	0.1	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.7	0.4	(X)	0.8	1.0	(X)	0.1	0.1	(X)	0.1	0.2
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.3	0.3	(X)	0.0	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Textile mill products	(X)	0.9	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.7	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Rubber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Capital goods industries :												
Nondefense	0.1	0.6	0.5	-0.4	0.6	0.7	-0.1	0.2	0.1	(X)	0.1	0.1
Defense	-0.4	0.7	0.6	8.0	1.4	1.4	0.5	0.1	0.1	(X)	0.0	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.

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

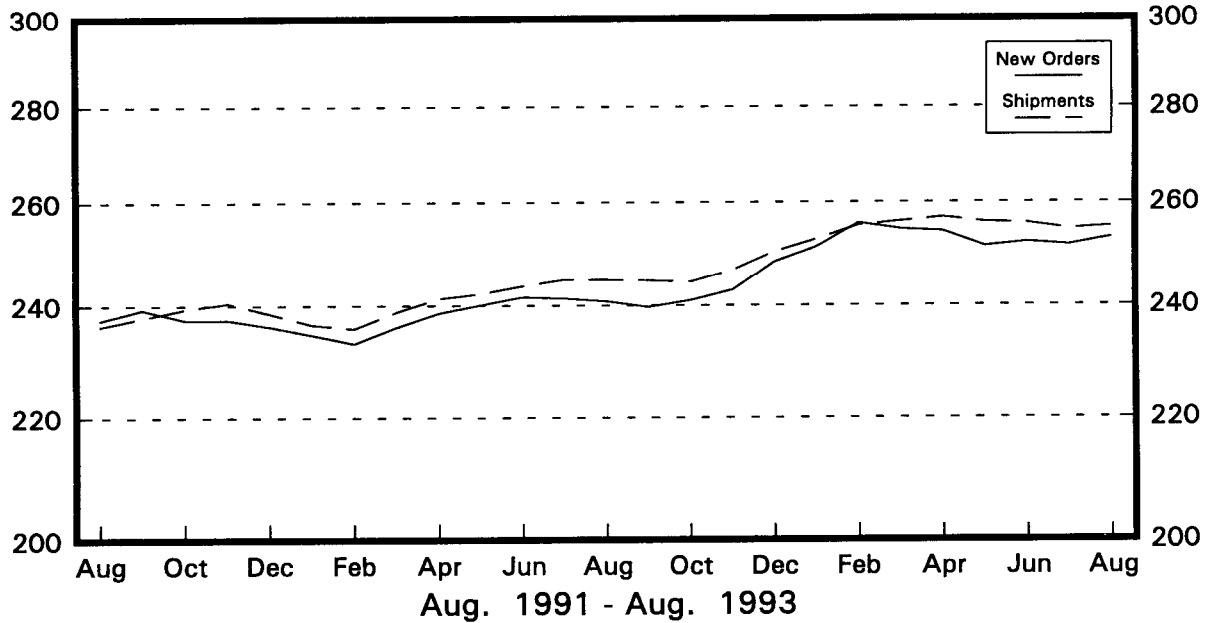
² Average for this month for the last five years.

Total Manufacturing

New Orders and Shipments

Three Month Moving Averages

Billions of Dollars

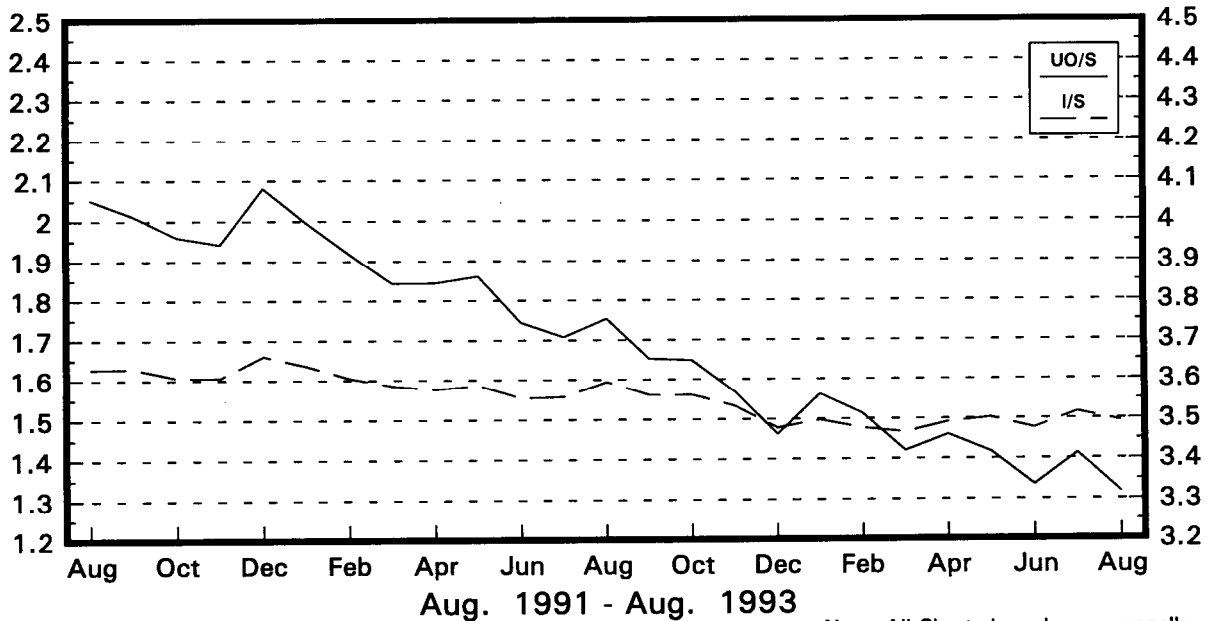


Total Manufacturing

Ratio of Unfilled Orders and Inventories to Shipments

I/S Ratios

UO/S Ratios



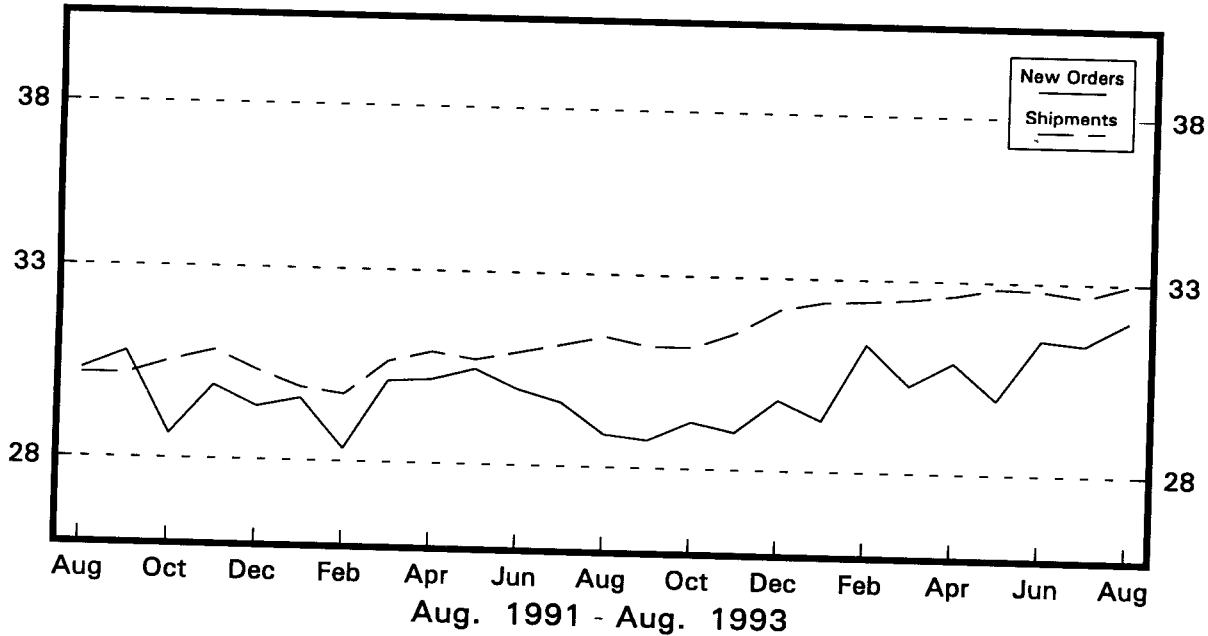
Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

11

New Orders and Shipments
Three Month Moving Averages

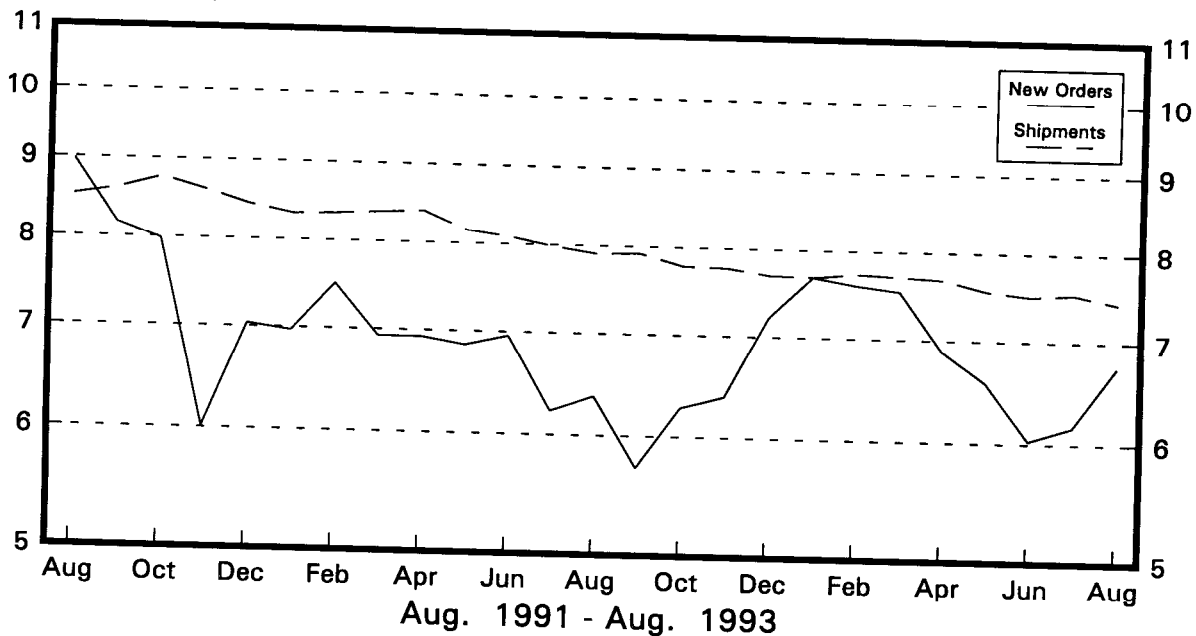
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.