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Manufacturers' Shipments, Inventories, and Orders

September 1993

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

Summary

New orders for manufactured goods in September increased \$1.8 billion or 0.7 percent to \$255.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.2 percent increase in August and is the third increase in the last four months. Year-to-date new orders for 1993 totaled \$2,279.3 billion, 5.9 percent above the same period last year.

Shipments increased \$3.7 billion or 1.4 percent to \$260.2 billion, the highest level on record. This follows a 1.9 percent increase in August and is the third increase in the last four months. Year-to-date shipments for 1993 totaled \$2,304.5 billion, 5.6 percent above the same period last year.

Unfilled orders decreased \$5.0 billion or 1.1 percent to \$450.1 billion, the lowest level since June 1988. This is the seventh consecutive monthly decline and the twenty-second in the last twenty-five months. The unfilled orders-to-shipments ratio decreased from 3.30 in August to 3.21 in September, the lowest since October 1977.

Inventories decreased \$1.1 billion or 0.3 percent to \$380.3 billion, the third decline in the last four months. The inventories-to-shipments ratio decreased from 1.49 in August to 1.46 in September, the lowest on record.

New Orders

New orders for durable goods in September increased \$1.0 billion or 0.7 percent to \$132.7 billion, following a 2.5 percent increase in August. This is the third increase in the last four months. All major groups except transportation equipment and instruments and related products had increases. The largest increase was in electronic and other electrical equipment, up \$0.5 billion or 2.6 percent to \$20.4 billion, primarily due to communications equipment. Industrial machinery and equipment increased \$0.4 billion or 1.7 percent to \$24.5 billion. The largest decline was in transportation equipment, down \$0.5 billion or 1.6 percent to \$30.9 billion, as a decline in aircraft and parts more than offset increases in motor vehicles and parts and shipbuilding and tanks. Instruments and related products decreased \$0.4 billion or 3.7 percent to \$10.2 billion.

New orders for nondurable goods increased \$0.8 billion or 0.7 percent to \$122.5 billion, as increases, led by tobacco products and chemical and allied products, more than offset declines in petroleum and coal products, food and kindred products, and textile mill products. This follows a 0.3 percent decrease in August and is the first increase in the last three months.

Shipments

Shipments of durable goods in September increased \$2.9 billion or 2.2 percent to \$137.5 billion, the highest level

on record. This follows a 4.1 percent increase in August and is the third increase in the last four months. All major groups increased. Transportation equipment had the largest increase, up \$1.0 billion or 2.9 percent to \$35.1 billion, as increases in motor vehicles and parts and railroad equipment more than offset a decline in aircraft and parts. This follows a 10.6 percent increase in August. Industrial machinery and equipment increased \$0.6 billion or 2.4 percent to \$24.5 billion.

Shipments of nondurable goods increased \$0.7 billion or 0.6 percent to \$122.8 billion, following a 0.3 percent decrease in August. This is the first increase in the last three months. The largest increase was in tobacco products, up \$0.6 billion or 29.2 percent to \$2.7 billion, following a 36.9 percent decrease in August. Chemicals and allied products increased \$0.3 billion or 1.1 percent to \$26.0 billion. The largest decreases were in petroleum and coal products, down \$0.3 billion or 2.3 percent to \$11.6 billion, and food and kindred products, down \$0.3 billion or 0.7 percent to \$35.2 billion.

Unfilled Orders

Unfilled orders for durable goods in September decreased \$4.7 billion or 1.1 percent to \$428.1 billion, the lowest level since June 1988. This is the seventh consecutive monthly decline and twenty-sixth in the last thirty-one months. Transportation equipment, down for the seventeenth consecutive month, had the largest decrease, down \$4.2 billion or 1.9 percent to \$221.8 billion, as a decrease in aircraft and parts more than offset an increase in shipbuilding and tanks. This is the lowest level since February 1989. Instruments and related products declined \$0.7 billion or 1.4 percent to \$52.8 billion. Electronic and other electrical equipment had the largest increase, up \$0.5 billion or 1.1 percent to \$44.4 billion, as an increase in communications equipment more than offset a decline in electronic components. Unfilled orders for nondurable goods decreased \$0.3 billion or 1.2 percent to \$22.0 billion, the fifth consecutive monthly decline.

Inventories

Inventories for durable goods in September decreased \$0.7 billion or 0.3 percent to \$237.0 billion, the third decline in the last four months. All major groups except lumber and wood products and furniture and fixtures declined. Nondurable goods inventories decreased \$0.5 billion or 0.3 percent to \$143.2 billion, primarily due to petroleum and coal products and food and kindred products. This is the third decline in the last four months.

By stage of fabrication, finished goods decreased 0.6 percent in durables and 0.5 percent in nondurables. Work in process was up 0.2 percent in durables and 0.1 percent in nondurables. Materials and supplies declined 0.7 percent in durables and 0.3 percent in nondurables.

The advance report on durable goods for October is scheduled for November 24, 1993 at 8:30 a.m. and the full report on December 3, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1993 ^P	Aug. 1993 ^r	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993 ^P	Aug. 1993 ^r	July 1993	Sept. 1992		1993 ^P	1992
All manufacturing industries	260,230	256,556	251,680	+1.4	+1.9	-2.6	278,098	256,056	230,372	262,786	+5.8	2,301,436	2,179,271
Manufacturing Industries													
with unfilled orders	140,072	137,856	134,269	+1.6	+2.7	-2.5	151,175	136,292	121,013	141,707	+6.7	1,221,201	1,166,885
without defense capital goods	252,838	249,450	244,086	+1.4	+2.2	-2.6	270,037	249,304	223,644	254,104	+6.3	2,236,233	2,108,935
Durable goods industries	137,451	134,521	129,257	+2.2	+4.1	-4.3	147,375	131,934	112,784	134,635	+9.5	1,200,233	1,114,215
With unfilled orders	110,315	108,447	104,574	+1.7	+3.7	-3.6	119,665	106,234	92,819	111,036	+7.8	957,482	907,874
Stone, clay, and glass products	6,181	5,798	5,700	+6.6	+1.7	-1.1	6,920	6,247	5,622	6,380	+8.5	52,208	49,782
Primary metals	11,559	11,318	11,127	+2.1	+1.7	-4.3	12,019	11,452	10,261	11,648	+3.2	103,700	102,995
Blast furnaces, steel mills	5,310	5,320	5,215	-0.2	+2.0	-0.6	5,432	5,357	4,805	4,924	+10.3	47,355	43,975
Iron and steel foundries	1,045	1,029	898	+1.6	+14.6	-10.8	1,102	1,055	740	1,065	+3.5	9,282	9,174
Nonferrous and other primary metals	5,204	4,969	5,014	+4.7	-0.9	-6.7	5,485	5,040	4,716	5,659	-3.1	47,063	49,846
Fabricated metal products	14,310	14,131	13,811	+1.3	+2.3	-3.1	15,192	14,195	12,521	14,257	+6.6	126,571	119,473
Industrial machinery and equipment	24,459	23,886	23,482	+2.4	+1.7	+1.3	26,583	22,400	20,412	23,052	+15.3	209,991	187,008
Engines and turbines	1,528	1,544	1,516	-1.0	+1.8	-5.8	1,730	1,376	1,126	1,688	+2.5	13,275	12,090
Farm and garden machinery	1,488	1,477	1,456	+0.7	+1.4	-2.2	1,312	1,093	1,089	1,019	+28.8	13,674	11,573
Construction, mining and material handling equipment	2,457	2,393	2,363	+2.7	+1.3	-2.5	2,506	2,298	2,189	2,247	+11.5	22,152	18,711
Metalworking machinery	2,533	2,504	2,521	+1.2	-0.7	+2.4	2,776	2,352	2,112	2,790	-0.5	22,437	20,893
Computer and office equipment	6,633	6,567	6,461	+1.0	+1.6	+7.4	8,311	5,869	5,131	6,916	+20.2	54,804	47,451
Electronic and other electrical equipment	19,863	19,654	19,228	+1.1	+2.2	-1.5	21,998	19,426	17,219	19,693	+11.7	169,196	152,857
Electrical transmission and distribution equipment and industrial apparatus	2,391	2,415	2,374	-1.0	+1.7	+0.6	2,683	2,358	2,112	2,625	+2.2	21,527	20,797
Household appliances	1,730	1,729	1,722	+0.1	+0.4	+4.0	1,811	1,734	1,671	1,618	+11.9	14,913	13,496
Electric lighting and wiring equipment	1,651	1,658	1,654	-0.4	+0.2	-2.5	1,770	1,616	1,402	1,694	+4.5	14,820	13,629
Household audio and video equipment	921	945	982	-2.5	-3.8	+8.5	1,203	1,020	846	1,093	+10.1	7,840	7,705
Communications equipment	3,853	3,927	3,869	-1.9	+1.5	-2.4	4,426	3,811	3,364	4,306	+2.8	33,352	30,353
Electronic components	7,212	6,946	6,708	+3.8	+3.5	-4.7	7,659	6,875	6,228	6,274	+22.1	59,739	51,163
Transportation equipment	35,108	34,127	30,865	+2.9	+10.6	-12.9	36,700	32,645	23,603	33,061	+11.0	311,555	286,560
Motor vehicles and parts	23,407	21,949	20,070	+6.6	+9.4	-12.3	24,001	21,192	13,993	19,521	+22.9	205,545	172,033
Aircraft, missiles, space vehicles, and parts	9,117	9,910	8,461	-8.0	+17.1	-16.6	10,000	9,167	7,418	10,992	-9.0	84,328	93,929
Shipbuilding and tanks	985	945	1,067	+4.2	-11.4	+13.0	1,027	928	1,017	1,067	-3.7	8,632	8,914
Instruments and related products	10,968	10,859	10,647	+1.0	+2.0	-1.8	11,837	10,467	9,603	11,641	+1.7	95,071	94,456
Search and navigation equipment	2,682	2,580	2,755	+4.0	-6.4	-2.0	2,853	2,475	2,354	3,090	-7.7	23,717	24,670
Measuring and controlling devices	3,012	2,946	2,843	+2.2	+3.6	-0.1	3,238	2,886	2,575	3,042	+6.4	25,921	25,169
Medical instruments and supplies	2,995	2,994	2,864	0.0	+4.5	-4.6	3,217	2,906	2,671	3,156	+1.9	26,157	26,050
Photographic goods	1,932	1,998	1,847	-3.3	+8.2	0.0	2,150	1,856	1,667	1,999	+7.6	16,224	15,684
All other durable goods	15,003	14,748	14,397	+1.7	+2.4	-0.1	16,126	15,462	13,543	14,903	+8.2	131,941	121,084
Nondurable goods industries	122,779	122,035	122,423	+0.6	-0.3	-0.7	130,723	124,122	117,588	128,151	+2.0	1,101,203	1,065,056
With unfilled orders	29,757	29,409	29,695	+1.2	-1.0	+1.3	31,510	30,058	28,194	30,671	+2.7	263,719	259,011
Food and kindred products	35,159	35,419	34,443	-0.7	+2.8	+0.3	37,436	35,577	33,096	35,567	+5.3	307,799	294,104
Meat products	8,087	8,075	7,971	+0.1	+1.3	-0.2	8,435	8,300	7,815	7,942	+6.2	71,468	66,619
Dairy products	4,562	4,515	4,516	+1.0	0.0	-1.3	4,713	4,630	4,537	4,565	+3.2	40,491	39,396
Beverages	5,069	5,149	4,896	-1.6	+5.2	-0.4	5,211	5,483	5,183	4,926	+5.8	44,823	43,595
All other foods, except fats and oils	15,581	15,903	15,391	-2.0	+3.3	+1.8	17,217	15,387	13,892	16,452	+4.6	135,500	130,124
Tobacco products	2,667	2,064	3,270	+29.2	-36.9	+17.8	3,150	1,871	2,565	4,017	-21.6	23,525	23,759
Textile mill products	5,756	5,896	5,887	-2.4	+0.2	+0.7	6,358	6,288	5,187	6,535	-2.7	52,595	52,398
Broadwoven fabrics and other textiles	3,541	3,547	3,625	-0.2	-2.2	+1.7	3,931	3,764	3,134	4,078	-3.6	32,692	32,954
Paper and allied products	10,855	10,664	10,724	+1.8	-0.6	-0.3	11,221	10,865	10,561	11,257	-0.3	97,475	98,770
Pulp, paper, and paperboard mill products	4,309	4,311	4,362	0.0	-1.2	-0.2	4,365	4,351	4,344	4,483	-2.6	39,301	40,229
Paperboard containers and boxes	2,620	2,638	2,666	-0.7	-1.1	+0.9	2,683	2,732	2,594	2,810	-4.5	23,966	24,483
Miscellaneous converted paper products	3,926	3,715	3,696	+5.7	+0.5	-1.3	4,173	3,782	3,623	3,964	+5.3	34,208	34,058
Chemicals and allied products	26,024	25,733	26,008	+1.1	-1.1	-2.6	27,356	25,560	24,821	26,500	+3.2	237,281	227,934
Industrial chemicals	13,196	13,320	13,389	-0.9	-0.5	-1.9	13,447	13,433	13,057	13,467	-0.1	122,047	118,028
Drugs, soaps, and toiletries	9,990	9,582	9,709	+4.3	-1.3	-1.6	11,438	9,525	9,095	10,608	+7.8	87,215	82,177
Petroleum and coal products	11,615	11,888	12,288	-2.3	-3.3	-3.3	12,338	12,452	12,599	13,833	-10.8	112,294	114,816
Rubber and plastics products	8,691	8,624	8,215	+0.8	+5.0	-4.8	9,063	8,747	7,885	8,853	+2.4	78,496	78,597
All other nondurable goods	22,012	21,747	21,588	+1.2	+0.7	+0.3	23,801	22,762	20,874	21,589	+10.2	191,738	174,678

^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 Sept. 93/92	Year to date	
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Aug.- Sept.	July- Aug.	June- July	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Sept. 1992		1993 ^p	1992
All manufacturing industries	255,220	253,461	250,566	+0.7	+1.2	-1.9	270,501	252,422	230,096	256,455	+5.5	2,277,087	2,151,299
Manufacturing industries with unfilled orders	135,062	134,761	133,155	+0.2	+1.2	-1.3	143,578	132,658	120,737	135,376	+6.1	1,196,852	1,138,913
without defense capital goods	248,762	246,863	243,335	+0.8	+1.4	-2.5	263,783	246,660	224,122	250,028	+5.5	2,221,567	2,097,760
Durable goods industries	132,712	131,752	128,520	+0.7	+2.5	-2.8	140,381	128,446	112,603	128,699	+9.1	1,175,566	1,085,604
With unfilled orders	105,576	105,678	103,837	-0.1	+1.8	-1.7	112,671	102,746	92,638	105,100	+7.2	932,815	879,263
Stone, clay, and glass products	6,110	5,836	5,818	+4.7	+0.3	+6.8	6,682	6,362	5,986	6,181	+8.1	53,367	50,581
Primary metals	11,362	11,044	10,859	+2.9	+1.7	-2.1	11,151	10,732	10,214	10,397	+7.3	104,341	101,502
Blast furnaces, steel mills	5,250	5,199	4,889	+1.0	+6.3	-4.1	5,012	5,112	4,708	4,549	+10.2	48,748	43,118
Iron and steel foundries	1,138	922	1,098	+23.4	-16.0	+18.4	1,171	931	968	925	+26.6	9,394	8,993
Nonferrous and other primary metals	4,974	4,923	4,872	+1.0	+1.0	-3.9	4,968	4,689	4,538	4,923	+0.9	46,199	49,391
Fabricated metal products	14,210	14,045	13,629	+1.2	+3.1	-1.1	15,050	14,148	12,393	14,621	+2.9	124,984	118,024
Industrial machinery and equipment	24,517	24,103	23,733	+1.7	+1.6	+3.5	26,393	22,583	20,545	23,031	+14.6	210,456	185,081
Engines and turbines	1,711	1,548	1,639	+10.5	-5.6	-4.3	1,974	1,604	1,385	1,957	+0.9	13,552	12,531
Construction, mining and material handling equipment	2,393	2,514	2,376	-4.8	+5.8	+4.2	2,431	2,426	2,151	2,289	+6.2	22,118	18,550
Metalworking machinery	2,544	2,631	2,536	-3.3	+3.7	-4.4	2,787	2,479	2,127	2,689	+3.6	22,115	20,543
Computer and office equipment	6,338	6,368	6,299	-0.5	+1.1	+6.3	7,887	5,839	4,889	6,866	+14.9	54,609	46,417
Electronic and other electrical equipment	20,357	19,839	20,448	+2.6	-3.0	+2.9	22,070	19,516	18,617	19,553	+12.9	171,121	153,239
Electrical transmission and distribution equipment and industrial apparatus	2,424	2,491	2,341	-2.7	+6.4	+1.1	2,703	2,438	2,113	2,380	+13.6	21,814	20,295
Electric lighting and wiring equipment	1,593	1,657	1,731	-3.9	-4.3	+3.3	1,712	1,615	1,479	1,619	+5.7	14,980	13,407
Communications equipment	4,836	4,152	3,906	+16.5	+6.3	-11.3	5,458	3,948	3,443	4,388	+24.4	34,547	30,426
Electronic components	6,779	6,889	7,635	-1.6	-9.8	+10.8	6,863	6,725	7,093	6,324	+8.5	59,424	51,948
Transportation equipment	30,871	31,366	29,203	-1.6	+7.4	-16.3	31,927	29,749	21,460	29,121	+9.6	286,086	265,046
Aircraft, missiles, space vehicles, and parts	4,730	7,130	6,093	-33.7	+17.0	-36.5	5,102	6,253	4,452	8,290	-38.5	58,429	75,641
Shipbuilding and tanks	1,548	914	1,635	+69.4	-44.1	+156.7	1,562	896	1,575	294	+431.3	8,547	5,269
Instruments and related products	10,234	10,629	10,483	-3.7	+1.4	+7.6	11,176	9,983	9,591	11,314	-1.2	91,942	89,936
Search and navigation equipment	2,498	2,632	2,441	-5.1	+7.8	+20.6	2,722	2,267	2,205	3,157	-13.8	21,726	21,022
Measuring and controlling devices	2,661	2,827	2,847	-5.9	-0.7	+0.9	2,887	2,767	2,579	2,833	+1.9	25,404	24,539
Medical instruments and supplies	2,770	2,840	2,920	-2.5	-2.7	+6.4	2,992	2,752	2,727	3,006	-0.5	25,443	25,847
All other durable goods	15,051	14,890	14,347	+1.1	+3.8	-1.0	15,932	15,373	13,797	14,481	+10.0	133,269	122,195
Nondurable goods industries	122,508	121,709	122,046	+0.7	-0.3	-0.9	130,120	123,976	117,493	127,756	+1.9	1,101,521	1,065,695
With unfilled orders	29,486	29,083	29,318	+1.4	-0.8	+0.2	30,907	29,912	28,099	30,276	+2.1	264,037	259,650

^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 Sept. 93/92
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Aug.- Sept.	July- Aug.	June- July	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Sept. 1992	
All manufacturing industries	450,090	455,100	458,195	-1.1	-0.7	-0.2	447,837	455,434	459,068	479,795	-6.7
Manufacturing industries without defense capital goods	328,100	332,176	334,763	-1.2	-0.8	-0.2	327,740	333,994	336,638	351,143	-6.7
Durable goods industries	428,126	432,865	435,634	-1.1	-0.6	-0.2	425,458	432,452	435,940	456,779	-6.9
Stone, clay, and glass products	7,282	7,353	7,315	-1.0	+0.5	+1.6	7,551	7,789	7,674	7,339	+2.9
Primary metals	21,887	22,084	22,358	-0.9	-1.2	-1.2	21,317	22,185	22,905	20,321	+4.9
Blast furnaces, steel mills	10,005	10,065	10,186	-0.6	-1.2	-3.1	9,815	10,235	10,480	7,916	+24.0
Iron and steel foundries	2,975	2,882	2,989	+3.2	-3.6	+7.2	2,942	2,873	2,997	2,777	+5.9
Nonferrous and other primary metals	8,907	9,137	9,183	-2.5	-0.5	-1.5	8,560	9,077	9,428	9,628	-11.1
Fabricated metal products	21,270	21,370	21,456	-0.5	-0.4	-0.8	21,174	21,316	21,363	22,481	-5.8
Industrial machinery and equipment	50,888	50,830	50,613	+0.1	+0.4	+0.5	50,584	50,774	50,231	50,832	-0.5
Engines and turbines	10,207	10,024	10,020	+1.8	0.0	+1.2	10,333	10,089	9,861	9,945	+3.9
Construction, mining and material handling equipment	5,696	5,760	5,639	-1.1	+2.1	+0.2	5,565	5,640	5,512	5,545	+0.4
Metalworking machinery	7,011	7,000	6,873	+0.2	+1.8	+0.2	7,011	7,000	6,873	8,127	-13.7
Computer and office equipment	6,824	7,119	7,318	-4.1	-2.7	-2.2	6,926	7,350	7,380	7,613	-9.0
Electronic and other electrical equipment	44,408	43,914	43,729	+1.1	+0.4	+2.9	44,012	43,940	43,850	41,950	+4.9
Electrical transmission and distribution equipment and industrial apparatus	5,847	5,814	5,738	+0.6	+1.3	-0.6	5,839	5,819	5,739	5,707	+2.3
Electric lighting and wiring equipment	3,140	3,198	3,199	-1.8	0.0	+2.5	3,140	3,198	3,199	2,901	+8.2
Communications equipment	14,635	13,652	13,427	+7.2	+1.7	+0.3	14,617	13,585	13,448	13,308	+9.8
Electronic components	15,761	16,194	16,251	-2.7	-0.4	+6.0	15,367	16,163	16,313	15,264	+0.7
Transportation equipment	221,804	226,041	228,802	-1.9	-1.2	-0.7	220,377	225,150	228,046	252,369	-12.7
Aircraft, missiles, space vehicles, and parts.	192,747	197,134	199,914	-2.2	-1.4	-1.2	191,277	196,175	199,089	223,090	-14.3
Shipbuilding and tanks	21,096	20,533	20,564	+2.7	-0.2	+2.8	21,129	20,594	20,626	22,031	-4.1
Instruments and related products	52,809	53,543	53,773	-1.4	-0.4	-0.3	52,458	53,119	53,603	53,800	-2.5
Search and navigation equipment	35,569	35,753	35,701	-0.5	+0.1	-0.9	35,164	35,295	35,503	36,250	-3.0
Measuring and controlling devices	8,671	9,022	9,141	-3.9	-1.3	0.0	8,671	9,022	9,141	8,590	+0.9
Medical instruments and supplies	7,709	7,934	8,088	-2.8	-1.9	+0.7	7,709	7,934	8,088	8,025	-3.9
All other durable goods	7,778	7,730	7,588	+0.6	+1.9	-0.7	7,985	8,179	8,268	7,687	+3.9
Nondurable goods industries	21,964	22,235	22,561	-1.2	-1.4	-1.6	22,379	22,982	23,128	23,016	-2.8

^p Preliminary. ^r 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 Sept. 93/92
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Aug.- Sept.	July- Aug.	June- July	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Sept. 1992	
All manufacturing industries	380,269	381,392	381,561	-0.3	0.0	+0.1	379,670	383,681	381,635	383,316	-1.0
Manufacturing industries with unfilled orders	250,699	251,652	252,122	-0.4	-0.2	+0.3	250,698	254,534	253,841	256,946	-2.4
without defense capital goods	352,513	353,283	353,441	-0.2	0.0	+0.2	351,800	354,978	353,146	352,268	-0.1
Durable goods industries	237,027	237,688	237,937	-0.3	-0.1	+0.2	236,855	239,697	238,501	241,651	-2.0
With unfilled orders	217,308	218,183	218,813	-0.4	-0.3	+0.3	217,391	220,531	220,004	223,340	-2.7
Stone, clay, and glass products	7,600	7,621	7,692	-0.3	-0.9	+0.1	7,396	7,575	7,728	7,675	-3.6
Primary metals	19,207	19,384	19,305	-0.9	+0.4	+0.8	19,397	19,556	19,318	19,999	-3.0
Blast furnaces, steel mills	9,352	9,443	9,553	-1.0	-1.2	+1.3	9,427	9,511	9,581	9,920	-5.0
Iron and steel foundries	1,387	1,392	1,380	-0.4	+0.9	+0.4	1,375	1,380	1,350	1,397	-1.6
Nonferrous and other primary metals	8,468	8,549	8,372	-0.9	+2.1	+0.3	8,595	8,665	8,387	8,682	-1.0
Fabricated metal products	23,243	23,283	23,130	-0.2	+0.7	+0.5	23,045	23,304	23,191	23,617	-2.4
Industrial machinery and equipment	45,384	45,470	45,282	-0.2	+0.4	+0.4	45,557	46,033	45,317	46,188	-1.4
Engines and turbines	3,537	3,608	3,571	-2.0	+1.0	+0.9	3,555	3,789	3,621	3,450	+3.0
Farm and garden machinery	2,248	2,208	2,124	+1.8	+4.0	+0.4	2,201	2,111	1,988	2,293	-4.0
Construction, mining and material handling equipment	5,770	5,786	5,805	-0.3	-0.3	-1.0	5,724	5,749	5,759	5,955	-3.9
Metalworking machinery	5,141	5,179	5,181	-0.7	0.0	-1.1	5,218	5,304	5,214	5,537	-5.8
Computer and office equipment	10,602	10,576	10,595	+0.2	-0.2	+2.4	10,856	10,997	10,808	10,504	+3.4
Electronic and other electrical equipment	32,933	33,148	33,013	-0.6	+0.4	+1.2	32,808	33,637	33,395	31,500	+4.2
Electrical transmission and distribution equipment and industrial apparatus	4,321	4,365	4,379	-1.0	-0.3	+0.2	4,307	4,418	4,411	4,492	-4.1
Household appliances	2,482	2,510	2,525	-1.1	-0.6	-1.4	2,348	2,440	2,522	2,388	-1.7
Electric lighting and wiring equipment	2,861	2,920	2,907	-2.0	+0.4	+1.2	2,867	2,961	2,974	2,955	-3.0
Household audio and video equipment	1,050	1,145	1,190	-8.3	-3.8	+3.9	1,096	1,233	1,248	1,192	-8.1
Communications equipment	8,623	8,655	8,525	-0.4	+1.5	+2.6	8,509	8,795	8,582	7,211	+18.0
Electronic components	10,239	10,127	10,074	+1.1	+0.5	+1.2	10,341	10,310	10,224	9,740	+6.2
Transportation equipment	64,001	64,045	64,998	-0.1	-1.5	-0.4	64,038	64,491	64,810	68,770	-6.9
Motor vehicles and parts	11,375	11,480	11,397	-0.9	+0.7	-1.0	11,638	11,700	10,915	12,357	-5.8
Aircraft, missiles, space vehicles, and parts	48,464	48,200	49,213	+0.5	-2.1	-0.2	48,309	48,418	49,465	52,290	-7.6
Shipbuilding and tanks	1,601	1,733	1,824	-7.6	-5.0	-2.9	1,584	1,784	1,907	1,812	-12.6
Instruments and related products	22,283	22,508	22,602	-1.0	-0.4	-0.7	22,294	22,825	22,800	23,529	-5.2
Search and navigation equipment	5,737	5,817	5,870	-1.4	-0.9	-2.3	5,777	5,981	5,984	7,082	-18.4
Measuring and controlling devices	6,495	6,591	6,621	-1.5	-0.5	+0.1	6,495	6,659	6,654	6,669	-2.6
Medical instruments and supplies	6,270	6,315	6,335	-0.7	-0.3	-0.2	6,232	6,337	6,333	6,263	-0.5
Photographic goods	2,975	2,986	2,980	-0.4	+0.2	-0.4	3,005	3,047	3,021	2,808	+7.0
All other durable goods	22,376	22,229	21,915	+0.7	+1.4	0.0	22,320	22,276	21,942	20,373	+9.6
Nondurable goods industries	143,242	143,704	143,624	-0.3	+0.1	-0.1	142,815	143,984	143,134	141,665	+0.8
With unfilled orders	33,391	33,469	33,309	-0.2	+0.5	+0.1	33,307	34,003	33,837	33,606	-0.9
Food and kindred products	29,750	29,938	30,162	-0.6	-0.7	-0.4	30,321	30,061	29,305	30,431	-0.4
Meat products	3,211	3,202	3,181	+0.3	+0.7	+2.5	3,160	3,158	3,177	2,774	+13.9
Dairy products	2,735	2,750	2,793	-0.5	-1.5	-1.1	2,743	2,872	2,913	2,783	-1.4
Beverages	5,282	5,322	5,327	-0.8	-0.1	0.0	5,298	5,228	5,253	5,416	-2.2
All other foods, except fats and oils	17,095	17,114	17,273	-0.1	-0.9	-1.5	17,864	17,403	16,489	18,206	-1.9
Tobacco products	6,756	6,712	6,714	+0.7	0.0	-1.4	6,587	6,487	6,333	6,429	+2.5
Textile mill products	9,187	9,172	9,200	+0.2	-0.3	-0.4	9,121	9,303	9,399	9,003	+1.3
Broadwoven fabrics and other textiles	5,192	5,186	5,210	+0.1	-0.5	-1.5	5,104	5,208	5,288	5,264	-3.0
Paper and allied products	13,612	13,714	13,596	-0.7	+0.9	+0.7	13,318	13,603	13,538	13,398	-0.6
Pulp, paper, and paperboard mill products	5,792	5,779	5,719	+0.2	+1.0	+1.2	5,676	5,731	5,680	5,615	+1.1
Paperboard containers and boxes	3,183	3,207	3,222	-0.7	-0.5	-0.6	3,135	3,176	3,237	3,217	-2.5
Miscellaneous converted paper products	4,637	4,728	4,655	-1.9	+1.6	+1.0	4,507	4,696	4,621	4,566	-1.3
Chemicals and allied products	35,174	35,085	34,853	+0.3	+0.7	-0.2	34,533	34,833	34,664	34,124	+1.2
Industrial chemicals	17,196	17,251	17,106	-0.3	+0.8	+0.1	16,938	17,127	17,070	17,333	-2.3
Drugs, soaps, and toiletries	13,691	13,556	13,461	+1.0	+0.7	0.0	13,499	13,664	13,551	12,720	+6.1
Petroleum and coal products	10,630	11,024	11,247	-3.6	-2.0	-1.2	10,798	11,108	11,256	12,126	-11.0
Rubber and plastics products	12,203	12,199	12,181	0.0	+0.1	+0.4	12,035	12,007	12,063	11,383	+5.7
All other nondurable goods	25,930	25,860	25,671	+0.3	+0.7	+0.5	26,102	26,582	26,576	24,771	+5.4

^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	
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Sept. 1992	Sept. 93/92	1993 ^p	1992
SHIPMENTS													
All manufacturing industries	260,230	256,556	251,680	+1.4	+1.9	-2.6	278,098	256,056	230,372	262,786	+5.8	2,301,436	2,179,271
Market categories :													
Automotive equipment	11,875	11,210	10,421	+5.9	+7.6	-10.6	12,290	10,883	7,539	10,170	+20.8	104,877	88,182
Home goods and apparel	18,017	17,862	17,352	+0.9	+2.9	-1.3	20,213	19,138	16,317	18,043	+12.0	156,430	139,166
Consumer staples	57,515	56,820	57,667	+1.2	-1.5	+0.6	62,163	56,990	55,068	61,203	+1.6	510,229	493,511
Machinery and equipment	44,420	44,137	41,355	+0.6	+6.7	-5.9	47,877	41,602	35,402	43,309	+10.5	386,402	352,964
Business supplies	19,402	19,290	19,469	+0.6	-0.9	-0.9	20,229	19,252	18,404	19,866	+1.8	174,328	170,542
Construction materials and supplies	16,730	16,378	15,892	+2.1	+3.1	-3.0	18,117	17,240	15,432	16,959	+6.8	148,039	137,860
Defense products	7,627	7,392	7,815	+3.2	-5.4	-0.7	8,324	7,131	7,034	8,945	-6.9	67,645	71,887
Other materials, supplies and intermediate products	84,644	83,467	81,709	+1.4	+2.2	-2.6	88,885	83,820	75,176	84,291	+5.5	753,486	725,159
Durable goods industries :													
Nondefense capital goods ³	33,686	33,825	31,723	-0.4	+6.6	-5.0	37,264	31,707	27,823	34,628	+7.6	292,657	274,898
Excluding aircraft and parts	28,573	27,776	27,447	+2.9	+1.2	+0.5	31,736	26,172	24,162	28,378	+11.8	243,848	220,029
Defense capital goods ⁴	7,392	7,106	7,594	+4.0	-6.4	0.0	8,061	6,752	6,728	8,682	-7.2	65,203	70,336
Durables excluding capital goods	96,373	93,590	89,940	+3.0	+4.1	-4.4	102,050	93,475	78,233	91,325	+11.7	842,373	768,981
Miscellaneous series :													
Producers' durable equipment	87,380	85,636	80,951	+2.0	+5.8	-5.3	93,629	82,253	67,794	83,611	+12.0	760,427	689,935
Household durable goods	7,639	7,489	7,435	+2.0	+0.7	+0.4	8,732	7,647	6,510	7,942	+9.9	65,504	60,808
Information technology industries	15,646	15,650	15,251	0.0	+2.6	+2.5	18,355	14,641	12,938	16,499	+11.2	132,429	120,776
Health care equipment and products	8,414	8,194	8,126	+2.7	+0.8	-2.7	9,410	8,079	7,600	8,897	+5.8	73,474	70,638
NEW ORDERS													
All manufacturing industries	255,220	253,461	250,566	+0.7	+1.2	-1.9	270,501	252,422	230,096	256,455	+5.5	2,277,087	2,151,299
Market categories :													
Automotive equipment	11,813	11,207	10,475	+5.4	+7.0	-10.3	12,211	10,888	7,641	10,143	+20.4	104,977	88,161
Home goods and apparel	17,879	17,746	17,425	+0.7	+1.8	-1.6	19,685	19,090	16,715	17,750	+10.9	158,494	140,746
Consumer staples	57,535	56,812	57,639	+1.3	-1.4	+0.6	62,199	56,993	55,089	61,210	+1.6	510,272	493,568
Machinery and equipment	42,395	42,644	40,228	-0.6	+6.0	-9.7	45,529	40,183	34,156	41,476	+9.8	372,217	343,056
Business supplies	19,434	19,346	19,314	+0.5	+0.2	-1.2	20,276	19,354	18,292	19,772	+2.5	174,254	170,593
Construction materials and supplies	16,501	16,376	15,919	+0.8	+2.9	-0.6	17,744	17,266	15,562	16,991	+4.4	148,246	138,099
Defense products	6,654	6,922	7,442	-3.9	-7.0	+21.5	6,955	6,269	6,247	6,836	+1.7	58,065	55,920
Other materials, supplies and intermediate products	83,009	82,408	82,124	+0.7	+0.3	-0.5	85,902	82,379	76,394	82,277	+4.4	750,562	721,156
Durable goods industries :													
Nondefense capital goods ³	31,148	31,992	30,093	-2.6	+6.3	-11.1	34,453	30,274	26,087	33,018	+4.3	275,818	263,759
Excluding aircraft and parts	28,859	28,062	27,601	+2.8	+1.7	+0.1	31,749	26,858	24,210	28,151	+12.8	245,665	218,152
Defense capital goods ⁴	6,458	6,598	7,231	-2.1	-8.8	+24.9	6,718	5,762	5,974	6,427	+4.5	55,520	53,539
Durables excluding capital goods	95,106	93,162	91,196	+2.1	+2.2	-1.5	99,210	92,410	80,542	89,254	+11.2	844,228	768,306
Miscellaneous series :													
Producers' durable equipment	85,471	84,933	80,708	+0.6	+5.2	-6.6	91,136	81,802	68,154	81,201	+12.2	750,959	679,266
Household durable goods	7,614	7,600	7,554	+0.2	+0.6	+2.3	8,481	7,769	6,858	7,698	+10.2	66,809	61,692
Information technology industries	15,688	15,292	15,085	+2.6	+1.4	+0.7	18,257	14,431	12,720	16,597	+10.0	132,738	119,222
Health care equipment and products	8,190	8,040	8,182	+1.9	-1.7	+1.1	9,185	7,924	7,657	8,746	+5.0	72,761	70,434

^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)**

(thousands of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 93/92
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Aug.- Sept.	July- Aug.	June- July	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Sept. 1992	
UNFULFILLED ORDERS											
All manufacturing industries	450,090	455,100	458,195	-1.1	-0.7	-0.2	447,837	455,434	459,068	479,795	-6.7
Market categories :											
Automotive equipment	1,684	1,746	1,748	-3.6	-0.1	+3.1	1,685	1,764	1,759	1,650	+2.1
Home goods and apparel	10,204	10,342	10,458	-1.3	-1.1	+0.7	10,655	11,182	11,230	9,816	+8.5
Consumer staples	1,439	1,418	1,427	+1.5	-0.6	-2.0	1,481	1,446	1,443	1,397	+6.0
Machinery and equipment	183,677	185,702	187,195	-1.1	-0.8	-0.6	183,320	185,668	187,087	204,478	-10.3
Business supplies	5,490	5,457	5,401	+0.6	+1.0	-2.8	5,614	5,568	5,465	5,883	-4.6
Construction materials and supplies	14,457	14,685	14,688	-1.6	0.0	+0.2	14,534	14,907	14,881	14,511	+0.2
Defense products	115,673	116,646	117,116	-0.8	-0.4	-0.3	113,756	115,125	115,987	121,526	-6.4
Other materials, supplies and and intermediate products	117,466	119,104	120,162	-1.4	-0.9	+0.3	116,792	119,774	121,216	120,534	-3.1
Durable goods industries :											
Nondefense capital goods ³	200,637	203,175	205,008	-1.2	-0.9	-0.8	200,345	203,156	204,589	224,593	-10.8
Excluding aircraft and parts	72,369	72,083	71,797	+0.4	+0.4	+0.2	72,077	72,064	71,378	71,026	+1.5
Defense capital goods ⁴	121,990	122,924	123,432	-0.8	-0.4	-0.3	120,097	121,440	122,430	128,652	-6.6
Durables excluding capital goods	105,499	106,766	107,194	-1.2	-0.4	+1.2	105,016	107,856	108,921	103,534	+1.4
Miscellaneous series :											
Producers' durable equipment	208,933	210,842	211,545	-0.9	-0.3	-0.1	208,906	211,399	211,850	225,957	-7.5
Household durable goods	5,516	5,541	5,430	-0.5	+2.0	+2.2	5,731	5,982	5,860	5,290	+8.3
Information technology industries	31,315	31,273	31,631	+0.1	-1.1	-0.5	31,425	31,523	31,733	31,214	+0.7
Health care equipment and products	7,739	7,963	8,117	-2.8	-1.9	+0.7	7,739	7,964	8,118	8,053	-3.9
TOTAL INVENTORIES											
All manufacturing industries	380,269	381,392	381,561	-0.3	0.0	+0.1	379,670	383,681	381,635	383,316	-1.0
Market categories :											
Automotive equipment	6,158	6,185	6,120	-0.4	+1.1	-1.4	6,157	6,180	5,877	6,246	-1.4
Home goods and apparel	30,516	30,611	30,408	-0.3	+0.7	+0.8	30,314	31,059	31,230	28,121	+7.8
Consumer staples	58,754	58,953	59,197	-0.3	-0.4	-0.6	59,117	59,148	58,236	59,141	0.0
Machinery and equipment	88,210	88,126	88,579	+0.1	-0.5	+0.2	88,007	88,641	88,581	88,850	-0.9
Business supplies	21,315	21,480	21,462	-0.8	+0.1	-0.3	21,465	21,828	21,603	22,346	-3.9
Construction materials and supplies	23,698	23,610	23,431	+0.4	+0.8	+0.1	23,478	23,605	23,556	22,522	+4.2
Defense products	26,277	26,565	26,591	-1.1	-0.1	-1.1	26,368	27,059	26,928	29,068	-9.3
Other materials, supplies and and intermediate products	125,341	125,862	125,773	-0.4	+0.1	+0.5	124,764	126,161	125,624	127,022	-1.8
Durable goods industries :											
Nondefense capital goods ³	82,905	82,820	83,700	+0.1	-1.1	+0.6	82,748	83,521	84,079	84,277	-1.8
Excluding aircraft and parts	55,694	55,914	55,651	-0.4	+0.5	+0.7	55,760	56,825	56,047	55,068	+1.3
Defense capital goods ⁴	27,756	28,109	28,120	-1.3	0.0	-1.1	27,870	28,703	28,489	31,048	-10.2
Durables excluding capital goods	126,366	126,759	126,117	-0.3	+0.5	+0.2	126,237	127,473	125,933	126,326	-0.1
Miscellaneous series :											
Producers' durable equipment	142,172	142,451	142,240	-0.2	+0.1	0.0	142,030	143,507	142,171	143,737	-1.2
Household durable goods	13,388	13,557	13,499	-1.2	+0.4	+0.9	13,296	13,786	13,754	12,836	+3.6
Information technology industries	29,891	29,866	29,737	+0.1	+0.4	+1.4	30,044	30,558	30,107	28,557	+5.2
Health care equipment and products	13,698	13,673	13,642	+0.2	+0.2	-0.1	13,557	13,750	13,687	13,171	+2.9

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 Sept. 93/92
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Aug.- Sept.	July- Aug.	June- July	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	Sept. 1992	
MATERIALS AND SUPPLIES											
All manufacturing industries	120,661	121,272	121,004	-0.5	+0.2	-0.2	120,298	121,623	120,669	121,636	-1.1
Durable goods industries	68,209	68,678	68,357	-0.7	+0.5	+0.3	68,533	69,389	68,216	69,710	-1.7
Stone, clay, and glass products	2,523	2,509	2,505	+0.6	+0.2	-0.6	2,513	2,528	2,523	2,484	+1.2
Primary metals	5,944	6,144	6,228	-3.3	-1.3	-0.1	6,053	6,209	6,216	6,329	-4.4
Fabricated metal products	7,820	7,739	7,646	+1.0	+1.2	-0.7	7,856	7,811	7,676	8,163	-3.8
Industrial machinery and equipment	14,100	14,293	14,267	-1.4	+0.2	-1.1	14,138	14,452	14,258	13,949	+1.4
Electronic and other electrical equipment	10,659	10,591	10,517	+0.6	+0.7	+0.7	10,629	10,683	10,599	10,239	+3.8
Transportation equipment	11,551	11,781	11,757	-2.0	+0.2	+1.3	11,549	11,982	11,533	13,331	-13.4
Instruments and related products	6,701	6,783	6,822	-1.2	-0.6	+0.9	6,700	6,839	6,841	7,011	-4.4
Lumber, furniture and miscellaneous durable goods	8,911	8,838	8,615	+0.8	+2.6	+1.8	9,095	8,885	8,570	8,204	+10.9
Nondurable goods industries	52,452	52,594	52,647	-0.3	-0.1	-0.8	51,765	52,234	52,453	51,926	-0.3
Food and kindred products	10,045	10,120	10,122	-0.7	0.0	-1.7	9,621	9,808	9,913	9,684	-0.7
Tobacco products	5,372	5,328	5,302	+0.8	+0.5	-0.3	5,255	5,102	5,001	5,199	+1.1
Textile mill products	2,610	2,608	2,604	+0.1	+0.2	-0.7	2,570	2,631	2,685	2,638	-2.6
Paper and allied products	6,814	6,779	6,781	+0.5	0.0	+0.4	6,754	6,720	6,763	6,731	+0.3
Chemicals and allied products	11,469	11,427	11,450	+0.4	-0.2	-0.7	11,356	11,464	11,529	11,451	-0.8
Petroleum and coal products	2,979	3,099	3,136	-3.9	-1.2	-2.7	2,975	3,149	3,136	3,302	-9.9
Rubber and plastics products	4,399	4,408	4,439	-0.2	-0.7	+0.3	4,431	4,343	4,420	4,457	-0.6
Apparel, printing and publishing and leather goods	8,764	8,825	8,813	-0.7	+0.1	-1.0	8,803	9,017	9,006	8,464	+4.0
WORK IN PROCESS											
All manufacturing industries	129,942	129,743	129,747	+0.2	0.0	+0.3	130,819	130,947	130,264	131,862	-0.8
Durable goods industries	106,650	106,463	106,545	+0.2	-0.1	+0.2	107,320	107,568	107,033	108,787	-1.3
Stone, clay, and glass products	1,107	1,124	1,130	-1.5	-0.5	0.0	1,088	1,126	1,138	1,152	-5.6
Primary metals	7,225	7,101	6,932	+1.7	+2.4	+1.3	7,315	7,211	6,994	7,361	-0.6
Fabricated metal products	7,611	7,671	7,596	-0.8	+1.0	+0.1	7,646	7,727	7,596	7,830	-2.3
Industrial machinery and equipment	18,399	18,338	18,079	+0.3	+1.4	+3.5	18,836	18,560	18,067	18,587	+1.3
Electronic and other electrical equipment	13,801	14,001	13,967	-1.4	+0.2	+1.6	13,789	14,221	14,047	12,835	+7.4
Transportation equipment	44,218	43,916	44,535	+0.7	-1.4	-1.0	44,299	44,094	44,711	46,320	-4.4
Instruments and related products	9,584	9,679	9,752	-1.0	-0.7	-2.0	9,651	9,932	9,896	10,620	-9.1
Lumber, furniture and miscellaneous durable goods	4,705	4,633	4,554	+1.6	+1.7	-0.9	4,696	4,697	4,584	4,082	+15.0
Nondurable goods industries	23,292	23,280	23,202	+0.1	+0.3	+0.5	23,499	23,379	23,231	23,075	+1.8
Food and kindred products	3,781	3,755	3,765	+0.7	-0.3	+0.3	3,837	3,512	3,552	3,773	+1.7
Tobacco products	181	178	181	+1.7	-1.7	-3.7	207	144	134	139	+48.9
Textile mill products	2,516	2,464	2,459	+2.1	+0.2	+0.3	2,553	2,495	2,503	2,423	+5.4
Paper and allied products	1,231	1,232	1,216	-0.1	+1.3	-0.4	1,201	1,247	1,246	1,191	+0.8
Chemicals and allied products	5,770	5,763	5,777	+0.1	-0.2	+2.0	5,742	5,828	5,811	5,445	+5.5
Petroleum and coal products	2,443	2,613	2,621	-6.5	-0.3	+0.8	2,488	2,645	2,640	3,009	-17.3
Rubber and plastics products	1,723	1,718	1,704	+0.3	+0.8	-2.2	1,723	1,724	1,673	1,581	+9.0
Apparel, printing and publishing and leather goods	5,647	5,557	5,479	+1.6	+1.4	+0.1	5,748	5,784	5,672	5,514	+4.2
FINISHED GOODS											
All manufacturing industries	129,666	130,377	130,810	-0.5	-0.3	+0.1	128,553	131,111	130,702	129,818	-1.0
Durable goods industries	62,168	62,547	63,035	-0.6	-0.8	0.0	61,002	62,740	63,252	63,154	-3.4
Stone, clay, and glass products	3,970	3,988	4,057	-0.5	-1.7	+0.5	3,795	3,921	4,067	4,039	-6.0
Primary metals	6,038	6,139	6,145	-1.6	-0.1	+1.2	6,029	6,136	6,108	6,309	-4.4
Fabricated metal products	7,812	7,873	7,888	-0.8	-0.2	+1.9	7,543	7,766	7,919	7,624	-1.1
Industrial machinery and equipment	12,885	12,839	12,936	+0.4	-0.7	-2.1	12,583	13,021	12,992	13,652	-7.8
Electronic and other electrical equipment	8,473	8,556	8,529	-1.0	+0.3	+1.3	8,390	8,733	8,749	8,426	-0.4
Transportation equipment	8,232	8,348	8,706	-1.4	-4.1	+0.4	8,190	8,415	8,566	9,119	-10.2
Instruments and related products	5,998	6,046	6,028	-0.8	+0.3	-0.2	5,943	6,054	6,063	5,898	+0.8
Lumber, furniture and miscellaneous durable goods	8,760	8,758	8,746	0.0	+0.1	-1.3	8,529	8,694	8,788	8,087	+5.5
Nondurable goods industries	67,498	67,830	67,775	-0.5	+0.1	+0.2	67,551	68,371	67,450	66,664	+1.3
Food and kindred products	15,924	16,063	16,275	-0.9	-1.3	+0.3	16,863	16,741	15,840	16,974	-0.7
Tobacco products	1,203	1,206	1,231	-0.2	-2.0	-5.6	1,125	1,241	1,198	1,091	+3.1
Textile mill products	4,061	4,100	4,137	-1.0	-0.9	-0.7	3,998	4,177	4,211	3,942	+1.4
Paper and allied products	5,567	5,703	5,599	-2.4	+1.9	+1.2	5,363	5,636	5,529	5,476	-2.1
Chemicals and allied products	17,935	17,895	17,626	+0.2	+1.5	-0.5	17,435	17,541	17,324	17,228	+1.2
Petroleum and coal products	5,208	5,312	5,490	-2.0	-3.2	-1.4	5,335	5,314	5,480	5,815	-8.3
Rubber and plastics products	6,081	6,073	6,038	+0.1	+0.6	+1.3	5,881	5,940	5,970	5,345	+10.0
Apparel, printing and publishing and leather goods	11,519	11,478	11,379	+0.4	+0.9	+1.8	11,551	11,781	11,898	10,793	+7.0

^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			
	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	June 1993	Sept. 1993 ^p	Aug. 1993 ^r	July 1993	June 1993
All manufacturing industries	1.46	1.49	1.52	1.48	3.21	3.30	3.41	3.33
Durable goods industries	1.72	1.77	1.84	1.76	3.88	3.99	4.17	4.02
Stone, clay, and glass products	1.23	1.31	1.35	1.33	1.26	1.37	1.38	1.34
Primary metals	1.66	1.71	1.73	1.65	1.89	1.95	2.01	1.95
Fabricated metal products	1.62	1.65	1.67	1.62	1.62	1.65	1.70	1.65
Industrial machinery and equipment	1.86	1.90	1.93	1.94	2.22	2.27	2.30	2.32
Electronic and other electrical equipment	1.66	1.69	1.72	1.67	2.24	2.23	2.27	2.18
Transportation equipment	1.82	1.88	2.11	1.84	11.99	12.22	13.99	12.18
Instruments and related products	2.03	2.07	2.12	2.10	4.81	4.93	5.05	4.98
Nondurable goods industries	1.17	1.18	1.17	1.17	0.74	0.76	0.76	0.78
Food and kindred products	0.85	0.85	0.88	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.53	3.25	2.05	2.45	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.56	1.56	1.58	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.29	1.27	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.36	1.34	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products	0.92	0.93	0.92	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.41	1.48	1.41	(X)	(X)	(X)	(X)

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

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

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

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept. ¹ 1993	Sept. ² 1988-1992	Sept. 1992-Aug. 1993	Sept. ¹ 1993	Sept. ² 1988-1992	Sept. 1992-Aug. 1993	Sept. ¹ 1993	Sept. ² 1988-1992	Sept. 1992-Aug. 1993	Sept. ¹ 1993	Sept. ² 1988-1992	Sept. 1992-Aug. 1993
All manufacturing industries	(X)	0.2	0.2	(X)	0.5	0.2	(X)	0.1	0.0	(X)	0.0	0.1
Durable goods industries	0.3	0.1	0.2	0.0	0.9	0.3	-0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.7	0.4	(X)	0.8	0.8	(X)	0.4	0.4	(X)	0.2	0.1
Primary metals	1.0	0.4	0.3	0.5	0.4	1.0	-0.5	0.2	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.4	0.3	(X)	0.4	0.6	(X)	0.2	0.4	(X)	0.1	0.2
Industrial machinery and equipment	0.0	0.3	0.5	-0.8	0.3	0.5	-0.4	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.4	0.4	-0.4	1.2	0.6	-0.2	0.4	0.1	(X)	0.3	0.1
Transportation equipment	0.7	0.2	0.6	0.2	1.6	1.0	-0.1	0.2	0.1	(X)	0.0	0.1
Instruments and related products	(X)	0.5	0.4	(X)	2.1	1.2	(X)	0.7	0.2	(X)	0.2	0.2
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.2	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.4	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.5	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Capital goods industries :												
Nondefense	0.4	0.2	0.4	-0.5	0.6	0.6	-0.1	0.1	0.1	(X)	0.1	0.1
Defense	0.0	0.6	0.5	1.6	6.4	1.8	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.

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

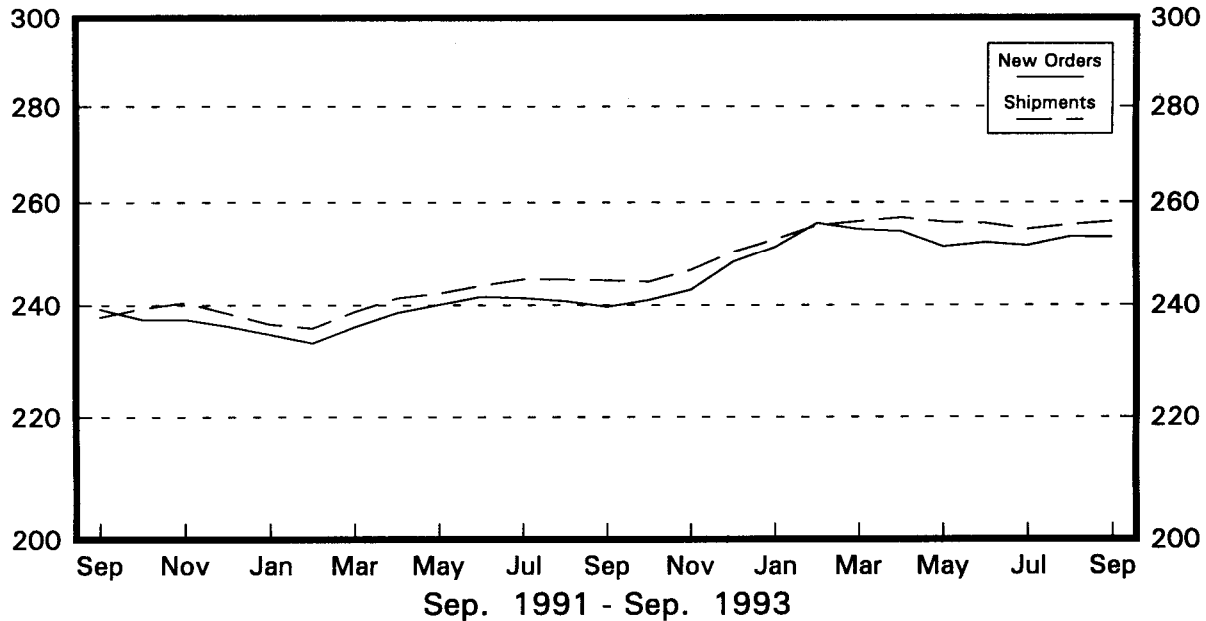
² Average for this month for the last five years.

Total Manufacturing

New Orders and Shipments

Three Month Moving Averages

Billions of Dollars

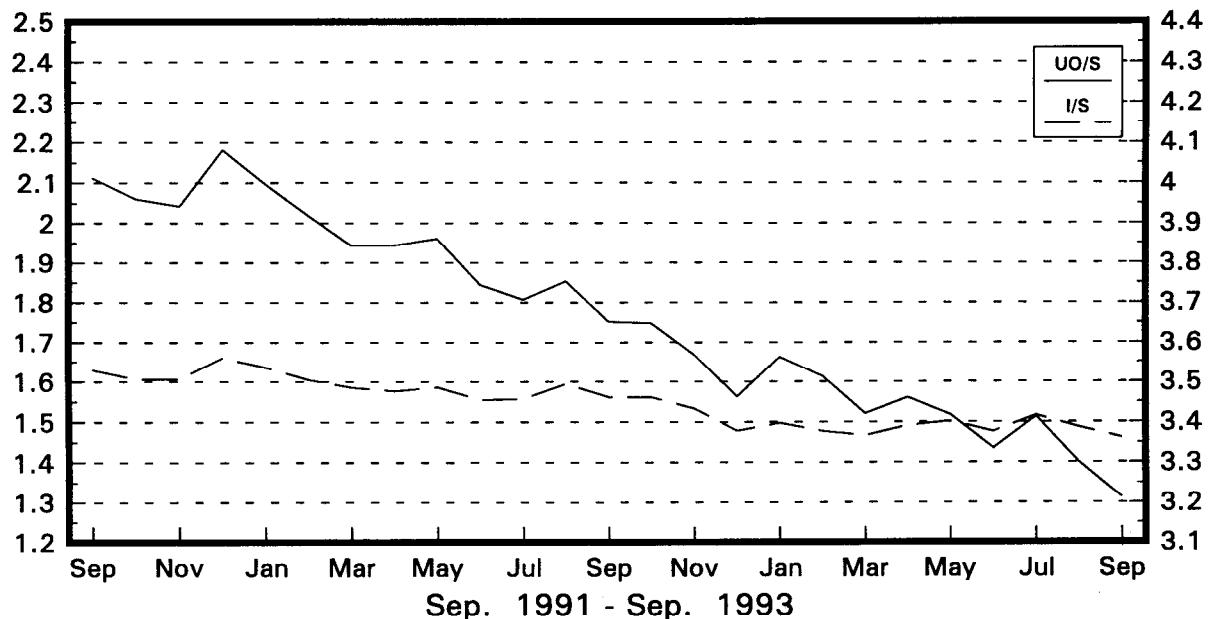


Total Manufacturing

Ratio of Unfilled Orders and Inventories to Shipments

I/S Ratios

UO/S Ratios



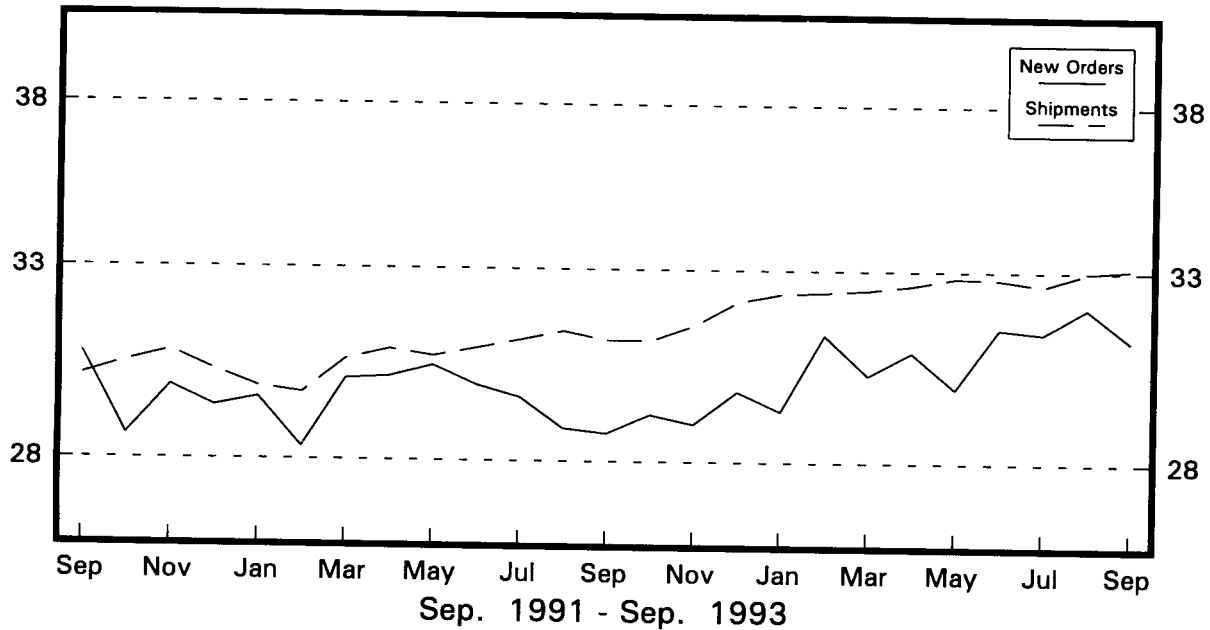
Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

11

New Orders and Shipments
Three Month Moving Averages

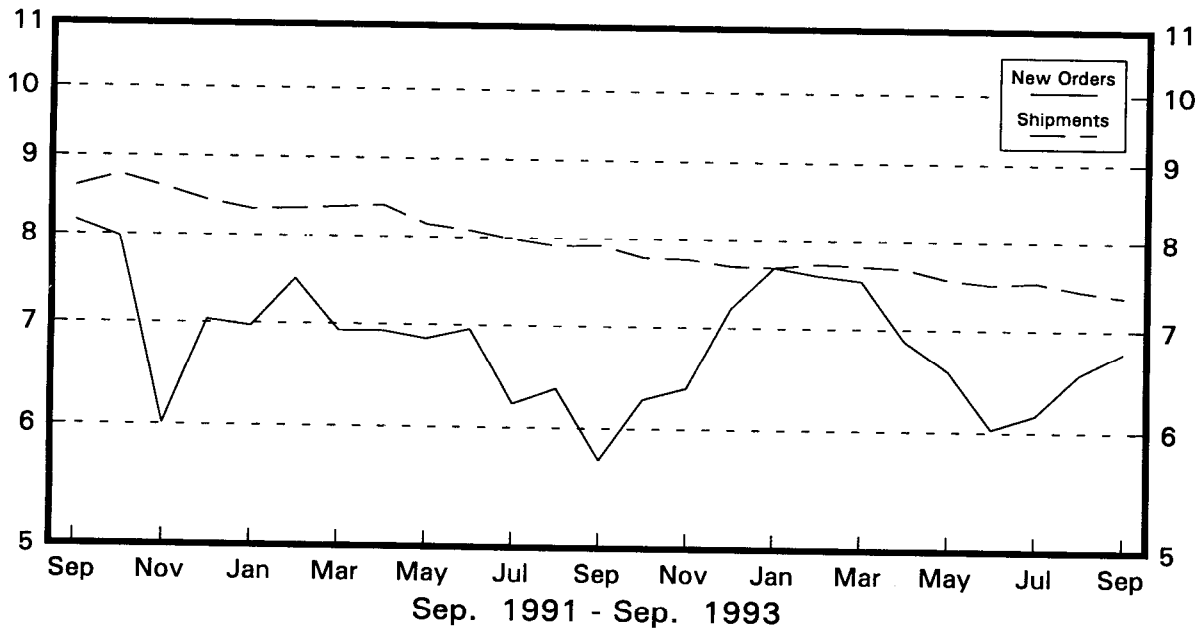
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.