



# Manufacturers' Shipments, Inventories, and Orders

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

## Summary

New orders for manufactured goods in October increased \$3.1 billion or 1.2 percent to \$258.4 billion, the highest on record, the Department of Commerce, Bureau of the Census reported today. This follows a 0.7 percent increase in September and is the third consecutive monthly increase. Year-to-date new orders for 1993 are 5.9 percent above the same period last year.

Shipments increased \$0.1 billion to \$260.2 billion, the highest level on record. This follows a 1.4 percent increase in September and is the third consecutive monthly increase. Year-to-date shipments for 1993 are 5.7 percent above the same period last year.

Unfilled orders decreased \$1.8 billion or 0.4 percent to \$448.6 billion, the lowest level since June 1988. This is the eighth monthly decline in a row and twenty-third in the last twenty-six months. The unfilled orders-to-shipments ratio remained at 3.22 in October, the lowest since October 1977.

Inventories decreased \$0.4 billion or 0.1 percent to \$380.3 billion, the third consecutive monthly decline. The inventories-to-shipments ratio remained at 1.46 in October, the lowest on record.

## New Orders

New orders for manufactured durable goods in October increased a revised \$3.4 billion or 2.6 percent to \$136.6 billion, the highest level on record. This follows a 1.1 percent increase in September and is the third consecutive monthly increase. Seven of the ten major groups had increases. The largest increase was in transportation equipment, up \$1.8 billion or 5.9 percent to \$32.8 billion, as increases in aircraft and parts, motor vehicles and parts, and railroad equipment more than offset a decrease in shipbuilding and tanks. Excluding transportation equipment, new orders increased \$1.6 billion or 1.5 percent, the fifth consecutive monthly increase. Electronic and other electrical equipment increased a revised \$0.8 billion or 3.9 percent to \$21.4 billion. Instruments and related products increased \$0.6 billion or 6.3 percent to \$10.8 billion.

New orders for nondurable goods decreased \$0.3 billion or 0.3 percent to \$121.8 billion, as decreases, led by paper and allied products and tobacco products, more than offset increases, led by printing and publishing and petroleum and coal products. This follows a 0.3 percent increase in September and is the third decrease in the last four months.

## Shipments

Shipments of durable goods in October increased \$0.2 billion or 0.1 percent to \$137.7 billion, the highest level on record. This follows a 2.2 percent increase in September

and is the third consecutive monthly increase. Transportation equipment had the largest increase, up \$1.1 billion or 3.1 percent to \$36.2 billion, primarily due to motor vehicles and parts and aircraft and parts. Excluding transportation equipment, shipments were down \$0.9 billion or 0.9 percent. Industrial machinery and equipment had the largest decline, down \$0.3 billion or 1.2 percent to \$24.1 billion.

Shipments of nondurable goods decreased \$0.1 billion or 0.1 percent to \$122.5 billion, following a 0.4 percent increase in September. This is the third decrease in the last four months. The largest decrease was in paper and allied products, down \$0.2 billion or 1.9 percent to \$10.7 billion. Petroleum and coal products had the largest increase, up \$0.2 billion or 1.7 percent to \$11.9 billion.

## Unfilled Orders

Unfilled orders for durable goods in October decreased \$1.1 billion or 0.3 percent to \$427.4 billion, the lowest level since June 1988. This is the eighth consecutive monthly decline and twenty-seventh in the last thirty-two months. Transportation equipment, down for the eighteenth consecutive month, had the largest decrease, down \$3.4 billion or 1.5 percent to \$218.5 billion, primarily due to aircraft and parts. This is the lowest level since February 1989. Excluding transportation equipment, unfilled orders were up \$2.3 billion or 1.1 percent. Electronic and other electrical equipment had the largest increase, up \$1.5 billion or 3.4 percent to \$46.0 billion, primarily due to electronic components. Industrial machinery and equipment increased \$0.6 billion or 1.2 percent to \$51.6 billion, with increases in nearly all categories. Unfilled orders for nondurable goods, down for the sixth consecutive month, decreased \$0.7 billion or 3.0 percent to \$21.1 billion, the largest decline since February 1982.

## Inventories

Inventories for durable goods in October decreased \$0.1 billion to \$237.5 billion, the third consecutive monthly decline. Transportation equipment had the largest decline, down \$0.9 billion or 1.5 percent to \$62.9 billion, due to aircraft and parts. Excluding transportation equipment, inventories increased \$0.8 billion or 0.5 percent. Industrial machinery and equipment and electronic and other electrical equipment each increased \$0.3 billion. Nondurable goods inventories decreased \$0.3 billion or 0.2 percent to \$142.8 billion, primarily due to chemicals and allied products. This is the fourth decline in the last five months.

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

(SEE BACK PAGE FOR 1994 RELEASE DATES)

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

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>							
	Monthly			Percent Change			Monthly				Percent change	Year to date		
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992		Oct. 93/92	1993 <sup>p</sup>	1992
All manufacturing industries . . . . .	260,154	260,088	256,556	0.0	+1.4	+1.9	272,120	277,395	256,056	256,328	+6.2	2,572,853	2,435,599	
Manufacturing Industries														
with unfilled orders . . . . .	139,378	140,005	137,856	-0.4	+1.6	+2.7	144,957	150,896	136,292	136,960	+5.8	1,365,879	1,303,845	
without defense capital goods . . . . .	252,499	252,574	249,450	0.0	+1.3	+2.2	264,611	269,354	249,304	248,834	+6.3	2,500,161	2,357,769	
Durable goods industries . . . . .	137,691	137,521	134,521	+0.1	+2.2	+4.1	144,242	147,012	131,934	132,242	+9.1	1,344,112	1,246,457	
With unfilled orders . . . . .	109,600	110,177	108,447	-0.5	+1.6	+3.7	113,152	119,306	106,234	105,954	+6.8	1,070,275	1,013,828	
Stone, clay, and glass products . . . . .	6,118	6,174	5,798	-0.9	+6.5	+1.7	6,870	6,908	6,247	6,440	+6.7	59,066	56,222	
Primary metals . . . . .	11,360	11,527	11,318	-1.4	+1.8	+1.7	11,875	12,004	11,452	11,689	+1.6	115,560	114,684	
Blast furnaces, steel mills . . . . .	5,293	5,294	5,320	0.0	-0.5	+2.0	5,499	5,431	5,357	4,998	+10.0	52,853	48,973	
Iron and steel foundries . . . . .	1,088	1,052	1,029	+3.4	+2.2	+14.6	1,218	1,102	1,055	1,141	+6.7	10,500	10,315	
Nonferrous and other primary metals . . . . .	4,979	5,181	4,969	-3.9	+4.3	-0.9	5,158	5,471	5,040	5,550	-7.1	52,207	55,396	
Fabricated metal products . . . . .	14,279	14,310	14,131	-0.2	+1.3	+2.3	15,303	15,164	14,195	14,304	+7.0	141,846	133,777	
Industrial machinery and equipment . . . . .	24,102	24,393	23,886	-1.2	+2.1	+1.7	23,591	26,590	22,040	20,939	+12.7	233,589	207,947	
Engines and turbines . . . . .	1,470	1,521	1,544	-3.4	-1.5	+1.8	1,407	1,731	1,376	1,329	+5.9	14,683	13,419	
Farm and garden machinery . . . . .	1,419	1,475	1,477	-3.8	-0.1	+1.4	1,392	1,309	1,093	1,242	+12.1	15,063	12,815	
Construction, mining and material handling equipment . . . . .	2,448	2,453	2,393	-0.2	+2.5	+1.3	2,497	2,499	2,298	2,259	+10.5	24,642	20,970	
Metalworking machinery . . . . .	2,533	2,540	2,504	-0.3	+1.4	-0.7	2,698	2,776	2,352	2,381	+13.3	25,135	23,274	
Computer and office equipment . . . . .	6,637	6,615	6,567	+0.3	+0.7	+1.6	5,794	8,320	5,869	4,705	+23.1	60,607	52,156	
Electronic and other electrical equipment . . . . .	19,867	20,042	19,654	-0.9	+2.0	+2.2	20,387	22,111	19,426	18,411	+10.7	189,696	171,268	
Electrical transmission and distribution equipment and industrial apparatus . . . . .	2,427	2,399	2,415	+1.2	-0.7	+1.7	2,391	2,689	2,358	2,324	+2.9	23,924	23,121	
Household appliances . . . . .	1,690	1,723	1,729	-1.9	-0.3	+0.4	1,700	1,811	1,734	1,564	+8.7	16,613	15,060	
Electric lighting and wiring equipment . . . . .	1,692	1,649	1,658	+2.6	-0.5	+0.2	1,704	1,763	1,616	1,584	+7.6	16,517	15,213	
Household audio and video equipment . . . . .	1,005	935	945	+7.5	-1.1	-3.8	1,321	1,205	1,020	1,178	+12.1	9,163	8,883	
Communications equipment . . . . .	4,089	3,935	3,927	+3.9	+0.2	+1.5	3,959	4,477	3,811	3,510	+12.8	37,362	33,863	
Electronic components . . . . .	6,779	7,280	6,946	-6.9	+4.8	+3.5	6,826	7,720	6,875	6,191	+10.3	66,626	57,354	
Transportation equipment . . . . .	36,237	35,164	34,127	+3.1	+3.0	+10.6	39,434	36,268	32,645	35,310	+11.7	350,557	321,870	
Motor vehicles and parts . . . . .	24,279	23,662	21,949	+2.6	+7.8	+9.4	27,874	23,985	21,192	23,260	+19.8	233,403	195,293	
Aircraft, missiles, space vehicles, and parts . . . . .	9,421	8,900	9,910	+5.9	-10.2	+17.1	8,950	9,585	9,167	9,746	-8.2	92,863	103,675	
Shipbuilding and tanks . . . . .	998	990	945	+0.8	+4.8	-11.4	1,012	1,026	928	905	+11.8	9,643	9,819	
Instruments and related products . . . . .	10,689	10,902	10,859	-2.0	+0.4	+2.0	10,717	11,821	10,467	10,490	+2.2	105,772	104,946	
Search and navigation equipment . . . . .	2,522	2,641	2,580	-4.5	+2.4	-6.4	2,467	2,856	2,475	2,640	-6.6	26,187	27,310	
Measuring and controlling devices . . . . .	2,985	3,000	2,946	-0.5	+1.8	+3.6	3,018	3,221	2,886	2,832	+6.6	28,922	28,001	
Medical instruments and supplies . . . . .	2,960	2,988	2,994	-0.9	-0.2	+4.5	2,895	3,215	2,906	2,787	+3.9	29,050	28,837	
Photographic goods . . . . .	1,886	1,927	1,998	-2.1	-3.6	+8.2	2,001	2,150	1,856	1,904	+5.1	18,225	17,588	
All other durable goods . . . . .	15,039	15,009	14,748	+0.2	+1.8	+2.4	16,065	16,146	15,462	14,659	+9.6	148,026	135,743	
Nondurable goods industries . . . . .	122,463	122,567	122,035	-0.1	+0.4	-0.3	127,878	130,383	124,122	124,086	+3.1	1,228,741	1,189,142	
With unfilled orders . . . . .	29,778	29,828	29,409	-0.2	+1.4	-1.0	31,805	31,590	30,058	31,006	+2.6	295,604	290,017	
Food and kindred products . . . . .	34,844	34,909	35,419	-0.2	-1.4	+2.8	36,114	37,158	35,577	34,383	+5.0	343,635	328,487	
Meat products . . . . .	8,046	8,007	8,075	+0.5	-0.8	+1.3	8,336	8,333	8,300	7,795	+6.9	79,702	74,414	
Dairy products . . . . .	4,489	4,560	4,515	-1.6	+1.0	0.0	4,471	4,720	4,630	4,392	+1.8	44,969	43,788	
Beverages . . . . .	4,825	5,035	5,149	-4.2	-2.2	+5.2	4,675	5,196	5,483	4,637	+0.8	49,483	48,232	
All other foods, except fats and oils . . . . .	15,721	15,589	15,903	+0.8	-2.0	+3.3	16,869	17,191	15,387	15,876	+6.3	152,343	146,000	
Tobacco products . . . . .	2,456	2,640	2,064	-7.0	+27.9	-36.9	2,215	3,150	1,871	2,231	-0.7	25,740	25,990	
Textile mill products . . . . .	5,803	5,763	5,896	+0.7	-2.3	+0.2	6,255	6,367	6,288	6,183	+1.2	58,859	58,581	
Broadwoven fabrics and other textiles . . . . .	3,530	3,531	3,547	0.0	-0.5	-2.2	3,703	3,923	3,764	3,725	-0.6	36,387	36,679	
Paper and allied products . . . . .	10,683	10,889	10,664	-1.9	+2.1	-0.6	10,883	11,273	10,865	11,030	-1.3	108,410	109,800	
Pulp, paper, and paperboard mill products . . . . .	4,279	4,305	4,311	-0.6	-0.1	-1.2	4,292	4,365	4,351	4,353	-1.4	43,593	44,582	
Paperboard containers and boxes . . . . .	2,590	2,637	2,638	-1.8	0.0	-1.1	2,712	2,713	2,732	2,850	-4.8	26,708	27,333	
Miscellaneous converted paper products . . . . .	3,814	3,947	3,715	-3.4	+6.2	+0.5	3,879	4,195	3,782	3,827	+1.4	38,109	37,885	
Chemicals and allied products . . . . .	25,865	25,943	25,733	-0.3	+0.8	-1.1	25,608	27,218	25,560	24,684	+3.7	262,751	252,618	
Industrial chemicals . . . . .	13,144	13,181	13,320	-0.3	-1.0	-0.5	13,236	13,445	13,433	13,292	-0.4	135,281	131,320	
Drugs, soaps, and toiletries . . . . .	9,929	9,919	9,582	+0.1	+3.5	-1.3	9,949	11,291	9,525	8,946	+11.2	97,017	91,123	
Petroleum and coal products . . . . .	11,862	11,669	11,888	+1.7	-1.8	-3.3	12,783	12,333	12,452	13,929	-8.2	125,072	128,745	
Rubber and plastics products . . . . .	8,674	8,690	8,624	-0.2	+0.8	+5.0	9,091	9,054	8,747	8,917	+2.0	87,578	87,514	
All other nondurable goods . . . . .	22,276	22,064	21,747	+1.0	+1.5	+0.7	24,929	23,830	22,762	22,729	+9.7	216,696	197,407	

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

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

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

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992		Oct. 93/92	1993 <sup>p</sup>
All manufacturing industries . . . . .	258,394	255,309	253,461	+1.2	+0.7	+1.2	268,952	270,017	252,422	254,210	+5.8	2,545,555	2,405,509
Manufacturing industries with unfilled orders . . . . .	137,618	135,226	134,761	+1.8	+0.3	+1.2	141,789	143,518	132,658	134,842	+5.2	1,338,581	1,273,755
without defense capital goods . . . . .	252,636	248,863	246,863	+1.5	+0.8	+1.4	262,721	263,389	246,660	246,316	+6.7	2,483,894	2,344,076
Durable goods industries . . . . .	136,586	133,176	131,752	+2.6	+1.1	+2.5	142,471	140,258	128,446	130,473	+9.2	1,317,914	1,216,077
With unfilled orders . . . . .	108,495	105,832	105,678	+2.5	+0.1	+1.8	111,381	112,552	102,746	104,185	+6.9	1,044,077	983,448
Stone, clay, and glass products . . . . .	6,269	6,133	5,836	+2.2	+5.1	+0.3	6,849	6,659	6,362	6,093	+12.4	60,193	56,674
Primary metals . . . . .	11,647	11,517	11,044	+1.1	+4.3	+1.7	11,515	11,207	10,732	10,836	+6.3	115,912	112,338
Blast furnaces, steel mills . . . . .	5,519	5,394	5,199	+2.3	+3.8	+6.3	5,348	5,073	5,112	4,611	+16.0	54,157	47,729
Iron and steel foundries . . . . .	1,167	1,153	922	+1.2	+25.1	-16.0	1,320	1,171	931	1,168	+13.0	10,714	10,161
Nonferrous and other primary metals . . . . .	4,961	4,970	4,923	-0.2	+1.0	+1.0	4,847	4,963	4,689	5,057	-4.2	51,041	54,448
Fabricated metal products . . . . .	13,856	14,164	14,045	-2.2	+0.8	+3.1	14,678	15,034	14,148	14,391	+2.0	139,646	132,415
Industrial machinery and equipment . . . . .	24,701	24,528	24,103	+0.7	+1.8	+1.6	24,330	26,434	22,583	20,860	+16.6	234,827	205,941
Engines and turbines . . . . .	1,451	1,717	1,548	-15.5	+10.9	-5.6	1,494	1,981	1,604	1,361	+9.8	15,053	13,892
Construction, mining and material handling equipment . . . . .	2,521	2,404	2,514	+4.9	-4.4	+5.8	2,632	2,427	2,426	2,368	+11.1	24,746	20,918
Metalworking machinery . . . . .	2,338	2,563	2,631	-8.8	-2.6	+3.7	2,503	2,799	2,479	2,092	+19.6	24,630	22,635
Computer and office equipment . . . . .	6,692	6,305	6,368	+6.1	-1.0	+1.1	5,883	7,896	5,839	4,729	+24.4	60,501	51,146
Electronic and other electrical equipment . . . . .	21,374	20,581	19,839	+3.9	+3.7	-3.0	22,003	22,188	19,516	18,795	+17.1	193,242	172,034
Electrical transmission and distribution equipment and industrial apparatus . . . . .	2,456	2,430	2,491	+1.1	-2.4	+6.4	2,405	2,710	2,438	2,391	+0.6	24,226	22,686
Electric lighting and wiring equipment . . . . .	1,715	1,588	1,657	+8.0	-4.2	-4.3	1,727	1,702	1,615	1,592	+8.5	16,697	14,999
Communications equipment . . . . .	4,411	4,984	4,152	-11.5	+20.0	+6.3	4,365	5,563	3,948	3,660	+19.3	39,017	34,086
Electronic components . . . . .	7,790	6,785	6,889	+14.8	-1.5	-9.8	7,759	6,849	6,725	6,177	+25.6	67,169	58,125
Transportation equipment . . . . .	32,841	31,012	31,366	+5.9	-1.1	+7.4	36,642	31,632	29,749	34,829	+5.2	322,433	299,875
Aircraft, missiles, space vehicles, and parts . . . . .	5,853	4,475	7,130	+30.8	-37.2	+17.0	6,004	4,732	6,253	9,624	-37.6	64,063	85,265
Shipbuilding and tanks . . . . .	696	1,472	914	-52.7	+61.1	-44.1	689	1,484	896	527	+30.7	9,158	5,796
Instruments and related products . . . . .	10,793	10,158	10,629	+6.3	-4.4	+1.4	10,667	11,149	9,983	10,457	+2.0	102,582	100,393
Search and navigation equipment . . . . .	2,393	2,468	2,632	-3.0	-6.2	+7.8	2,251	2,729	2,267	2,116	+6.4	23,984	23,138
Measuring and controlling devices . . . . .	3,059	2,640	2,827	+15.9	-6.6	-0.7	3,092	2,861	2,767	2,879	+7.4	28,470	27,418
Medical instruments and supplies . . . . .	3,158	2,757	2,840	+14.5	-2.9	-2.7	3,093	2,984	2,752	3,308	-6.5	28,528	29,155
All other durable goods . . . . .	15,105	15,083	14,890	+0.1	+1.3	+3.8	15,787	15,955	15,373	14,212	+11.1	149,079	136,407
Nondurable goods industries . . . . .	121,808	122,133	121,709	-0.3	+0.3	-0.3	126,481	129,759	123,976	123,737	+2.2	1,227,641	1,189,432
With unfilled orders . . . . .	29,123	29,394	29,083	-0.9	+1.1	-0.8	30,408	30,966	29,912	30,657	-0.8	294,504	290,307

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

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

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net 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 Oct. 93/92
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992	
All manufacturing industries . . . . .	448,561	450,321	455,100	-0.4	-1.1	-0.7	444,888	448,056	455,434	477,677	-6.9
Manufacturing industries without defense capital goods . . . . .	328,602	328,465	332,176	0.0	-1.1	-0.8	326,139	328,029	333,994	348,625	-6.4
Durable goods industries . . . . .	427,415	428,520	432,865	-0.3	-1.0	-0.6	423,927	425,698	432,452	455,010	-6.8
Stone, clay, and glass products . . . . .	7,463	7,312	7,353	+2.1	-0.6	+0.5	7,519	7,540	7,789	6,992	+7.5
Primary metals . . . . .	22,361	22,074	22,084	+1.3	0.0	-1.2	21,028	21,388	22,185	19,468	+8.0
Blast furnaces, steel mills . . . . .	10,391	10,165	10,065	+2.2	+1.0	-1.2	9,726	9,877	10,235	7,529	+29.2
Iron and steel foundries . . . . .	3,062	2,983	2,882	+2.6	+3.5	-3.6	3,044	2,942	2,873	2,804	+8.6
Nonferrous and other primary metals . . . . .	8,908	8,926	9,137	-0.2	-2.3	-0.5	8,258	8,569	9,077	9,135	-9.6
Fabricated metal products . . . . .	20,801	21,224	21,370	-2.0	-0.7	-0.4	20,561	21,186	21,316	22,568	-8.9
Industrial machinery and equipment . . . . .	51,564	50,965	50,830	+1.2	+0.3	+0.4	51,357	50,618	50,774	50,753	+1.2
Engines and turbines . . . . .	10,201	10,220	10,024	-0.2	+2.0	0.0	10,426	10,339	10,089	9,977	+4.5
Construction, mining and material handling equipment . . . . .	5,784	5,711	5,760	+1.3	-0.9	+2.1	5,703	5,568	5,640	5,654	+0.9
Metalworking machinery . . . . .	6,828	7,023	7,000	-2.8	+0.3	+1.8	6,828	7,023	7,000	7,838	-12.9
Computer and office equipment . . . . .	6,864	6,809	7,119	+0.8	-4.4	-2.7	7,015	6,926	7,350	7,637	-8.1
Electronic and other electrical equipment . . . . .	45,960	44,453	43,914	+3.4	+1.2	+0.4	45,633	44,017	43,940	42,334	+7.8
Electrical transmission and distribution equipment and industrial apparatus . . . . .	5,874	5,845	5,814	+0.5	+0.5	+1.3	5,854	5,840	5,819	5,774	+1.4
Electric lighting and wiring equipment . . . . .	3,160	3,137	3,198	+0.7	-1.9	0.0	3,160	3,137	3,198	2,909	+8.6
Communications equipment . . . . .	15,023	14,701	13,652	+2.2	+7.7	+1.7	15,077	14,671	13,585	13,458	+12.0
Electronic components . . . . .	16,710	15,699	16,194	+6.4	-3.1	-0.4	16,225	15,292	16,163	15,250	+6.4
Transportation equipment . . . . .	218,493	221,889	226,041	-1.5	-1.8	-1.2	217,722	220,514	225,150	251,888	-13.6
Aircraft, missiles, space vehicles, and parts . . . . .	189,141	192,709	197,134	-1.9	-2.2	-1.4	188,376	191,322	196,175	222,968	-15.5
Shipbuilding and tanks . . . . .	20,713	21,015	20,533	-1.4	+2.3	-0.2	20,729	21,052	20,594	21,653	-4.3
Instruments and related products . . . . .	52,903	52,799	53,543	+0.2	-1.4	-0.4	52,397	52,447	53,119	53,767	-2.5
Search and navigation equipment . . . . .	35,451	35,580	35,753	-0.4	-0.5	+0.1	34,952	35,168	35,295	35,726	-2.2
Measuring and controlling devices . . . . .	8,736	8,662	9,022	+0.9	-4.0	-1.3	8,736	8,662	9,022	8,637	+1.1
Medical instruments and supplies . . . . .	7,901	7,703	7,934	+2.6	-2.9	-1.9	7,901	7,703	7,934	8,546	-7.5
All other durable goods . . . . .	7,870	7,804	7,730	+0.8	+1.0	+1.9	7,710	7,988	8,179	7,240	+6.5
Nondurable goods industries . . . . .	21,146	21,801	22,235	-3.0	-2.0	-1.4	20,961	22,358	22,982	22,667	-7.5

<sup>p</sup> Preliminary. <sup>r</sup> 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 Oct. 93/92
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992	
All manufacturing industries . . . . .	380,250	380,689	381,392	-0.1	-0.2	0.0	381,236	380,226	383,681	384,340	-0.8
Manufacturing industries with unfilled orders . . . . .	250,850	251,213	251,652	-0.1	-0.2	-0.2	251,275	251,254	254,534	256,306	-2.0
without defense capital goods . . . . .	352,795	352,616	353,283	+0.1	-0.2	0.0	353,494	351,940	354,978	353,031	+0.1
Durable goods industries . . . . .	237,476	237,571	237,688	0.0	0.0	-0.1	237,995	237,395	239,697	241,401	-1.4
With unfilled orders . . . . .	217,604	217,844	218,183	-0.1	-0.2	-0.3	218,341	217,932	220,531	222,970	-2.1
Stone, clay, and glass products . . . . .	7,617	7,601	7,621	+0.2	-0.3	-0.9	7,365	7,390	7,575	7,565	-2.6
Primary metals . . . . .	19,379	19,241	19,384	+0.7	-0.7	+0.4	19,460	19,400	19,556	19,679	-1.1
Blast furnaces, steel mills . . . . .	9,486	9,369	9,443	+1.2	-0.8	-1.2	9,533	9,434	9,511	9,843	-3.1
Iron and steel foundries . . . . .	1,406	1,391	1,392	+1.1	-0.1	+0.9	1,381	1,375	1,380	1,372	+0.7
Nonferrous and other primary metals . . . . .	8,487	8,481	8,549	+0.1	-0.8	+2.1	8,546	8,591	8,665	8,464	+1.0
Fabricated metal products . . . . .	23,093	23,266	23,283	-0.7	-0.1	+0.7	22,847	23,086	23,304	23,420	-2.4
Industrial machinery and equipment . . . . .	45,775	45,484	45,470	+0.6	0.0	+0.4	46,393	45,631	46,033	46,416	0.0
Engines and turbines . . . . .	3,564	3,522	3,608	+1.2	-2.4	+1.0	3,736	3,554	3,789	3,673	+1.7
Farm and garden machinery . . . . .	2,359	2,259	2,208	+4.4	+2.3	+4.0	2,300	2,198	2,111	2,277	+1.0
Construction, mining and material handling equipment . . . . .	5,762	5,776	5,786	-0.2	-0.2	-0.3	5,699	5,727	5,749	5,817	-2.0
Metalworking machinery . . . . .	5,186	5,153	5,179	+0.6	-0.5	0.0	5,264	5,215	5,304	5,477	-3.9
Computer and office equipment . . . . .	10,599	10,645	10,576	-0.4	+0.7	-0.2	11,076	10,930	10,997	10,835	+2.2
Electronic and other electrical equipment . . . . .	33,486	33,186	33,148	+0.9	+0.1	+0.4	33,347	33,000	33,637	31,164	+7.0
Electrical transmission and distribution equipment and industrial apparatus . . . . .	4,309	4,325	4,365	-0.4	-0.9	-0.3	4,290	4,314	4,418	4,455	-3.7
Household appliances . . . . .	2,543	2,488	2,510	+2.2	-0.9	-0.6	2,431	2,348	2,440	2,403	+1.2
Electric lighting and wiring equipment . . . . .	2,810	2,850	2,920	-1.4	-2.4	+0.4	2,827	2,861	2,961	2,968	-4.8
Household audio and video equipment . . . . .	1,026	1,052	1,145	-2.5	-8.1	-3.8	1,040	1,097	1,233	1,139	-8.7
Communications equipment . . . . .	9,013	8,779	8,655	+2.7	+1.4	+1.5	8,931	8,644	8,795	7,120	+25.4
Electronic components . . . . .	10,500	10,295	10,127	+2.0	+1.7	+0.5	10,563	10,338	10,310	9,613	+9.9
Transportation equipment . . . . .	62,935	63,864	64,045	-1.5	-0.3	-1.5	63,415	64,021	64,491	69,417	-8.6
Motor vehicles and parts . . . . .	11,391	11,411	11,480	-0.2	-0.6	+0.7	11,666	11,647	11,700	12,184	-4.3
Aircraft, missiles, space vehicles, and parts . . . . .	47,376	48,317	48,200	-1.9	+0.2	-2.1	47,700	48,283	48,418	53,071	-10.1
Shipbuilding and tanks . . . . .	1,624	1,591	1,733	+2.1	-8.2	-5.0	1,569	1,584	1,784	1,811	-13.4
Instruments and related products . . . . .	22,588	22,525	22,508	+0.3	+0.1	-0.4	22,692	22,551	22,825	23,362	-2.9
Search and navigation equipment . . . . .	6,010	5,982	5,817	+0.5	+2.8	-0.9	6,123	6,038	5,981	6,905	-11.3
Measuring and controlling devices . . . . .	6,563	6,494	6,591	+1.1	-1.5	-0.5	6,550	6,488	6,659	6,611	-0.9
Medical instruments and supplies . . . . .	6,247	6,270	6,315	-0.4	-0.7	-0.3	6,272	6,235	6,337	6,354	-1.3
Photographic goods . . . . .	2,952	2,970	2,986	-0.6	-0.5	+0.2	2,955	3,005	3,047	2,790	+5.9
All other durable goods . . . . .	22,603	22,404	22,229	+0.9	+0.8	+1.4	22,476	22,316	22,276	20,378	+10.3
Nondurable goods industries . . . . .	142,774	143,118	143,704	-0.2	-0.4	+0.1	143,241	142,831	143,984	142,939	+0.2
With unfilled orders . . . . .	33,246	33,369	33,469	-0.4	-0.3	+0.5	32,934	33,322	34,003	33,336	-1.2
Food and kindred products . . . . .	29,953	29,834	29,938	+0.4	-0.3	-0.7	31,539	30,408	30,061	31,529	0.0
Meat products . . . . .	3,187	3,201	3,202	-0.4	0.0	+0.7	3,203	3,156	3,158	2,922	+9.6
Dairy products . . . . .	2,776	2,740	2,750	+1.3	-0.4	-1.5	2,751	2,743	2,872	2,713	+1.4
Beverages . . . . .	5,299	5,299	5,322	0.0	-0.4	-0.1	5,368	5,316	5,228	5,469	-1.8
All other foods, except fats and oils . . . . .	17,121	17,133	17,114	-0.1	+0.1	-0.9	18,542	17,922	17,403	18,880	-1.8
Tobacco products . . . . .	6,580	6,702	6,712	-1.8	-0.1	0.0	6,639	6,587	6,487	6,786	-2.2
Textile mill products . . . . .	9,232	9,204	9,172	+0.3	+0.3	-0.3	9,084	9,131	9,303	8,944	+1.6
Broadwoven fabrics and other textiles . . . . .	5,231	5,213	5,186	+0.3	+0.5	-0.5	5,173	5,116	5,208	5,304	-2.5
Paper and allied products . . . . .	13,618	13,600	13,714	+0.1	-0.8	+0.9	13,307	13,315	13,603	13,419	-0.8
Pulp, paper, and paperboard mill products . . . . .	5,830	5,792	5,779	+0.7	+0.2	+1.0	5,696	5,676	5,731	5,654	+0.7
Paperboard containers and boxes . . . . .	3,209	3,187	3,207	+0.7	-0.6	-0.5	3,110	3,136	3,176	3,145	-1.1
Miscellaneous converted paper products . . . . .	4,579	4,621	4,728	-0.9	-2.3	+1.6	4,501	4,503	4,696	4,620	-2.6
Chemicals and allied products . . . . .	34,723	35,019	35,085	-0.8	-0.2	+0.7	34,389	34,441	34,833	34,593	-0.6
Industrial chemicals . . . . .	17,022	17,143	17,251	-0.7	-0.6	+0.8	16,750	16,935	17,127	17,194	-2.6
Drugs, soaps, and toiletries . . . . .	13,395	13,583	13,556	-1.4	+0.2	+0.7	13,422	13,403	13,664	13,178	+1.9
Petroleum and coal products . . . . .	10,686	10,677	11,024	+0.1	-3.1	-2.0	10,954	10,812	11,108	12,020	-8.9
Rubber and plastics products . . . . .	12,196	12,199	12,199	0.0	0.0	+0.1	12,001	12,035	12,007	11,425	+5.0
All other nondurable goods . . . . .	25,786	25,883	25,860	-0.4	+0.1	+0.7	25,328	26,102	26,582	24,223	+4.6

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

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>							
	Monthly			Percent Change			Monthly				Percent change	Year to date		
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992		Oct. 93/92	1993 <sup>p</sup>	1992
<b>SHIPMENTS</b>														
All manufacturing industries . . . . .	260,154	260,088	256,556	0.0	+1.4	+1.9	272,120	277,395	256,056	256,328	+6.2	2,572,853	2,435,599	
Market categories :														
Automotive equipment . . . . .	12,429	12,005	11,210	+3.5	+7.1	+7.6	14,246	12,277	10,883	11,818	+20.5	119,110	100,000	
Home goods and apparel . . . . .	18,093	18,023	17,862	+0.4	+0.9	+2.9	20,496	20,207	19,138	18,321	+11.9	176,920	157,487	
Consumer staples . . . . .	57,089	57,294	56,820	-0.4	+0.8	-1.5	58,779	61,833	56,990	56,805	+3.5	568,678	550,316	
Machinery and equipment . . . . .	44,379	44,157	44,137	+0.5	0.0	+6.7	45,043	47,525	41,602	40,858	+10.2	431,093	393,822	
Business supplies . . . . .	19,476	19,466	19,290	+0.1	+0.9	-0.9	20,864	20,300	19,252	20,579	+1.4	195,263	191,121	
Construction materials and supplies . . . . .	16,777	16,730	16,378	+0.3	+2.1	+3.1	17,931	18,107	17,240	16,583	+8.1	165,960	154,443	
Defense products . . . . .	7,977	7,762	7,392	+2.8	+5.0	-5.4	7,858	8,309	7,131	7,655	+2.7	75,488	79,542	
Other materials, supplies and intermediate products . . . . .	83,934	84,651	83,467	-0.8	+1.4	+2.2	86,903	88,837	83,820	83,709	+3.8	840,341	808,868	
Durable goods industries :														
Nondefense capital goods <sup>3</sup> . . . . .	33,509	33,375	33,825	+0.4	-1.3	+6.6	32,411	36,937	31,707	30,209	+7.3	324,741	305,107	
Excluding aircraft and parts . . . . .	28,430	28,626	27,776	-0.7	+3.1	+1.2	27,736	31,810	26,172	24,758	+12.0	271,658	244,787	
Defense capital goods <sup>4</sup> . . . . .	7,655	7,514	7,106	+1.9	+5.7	-6.4	7,509	8,041	6,752	7,494	+0.2	72,692	77,830	
Durables excluding capital goods . . . . .	96,527	96,632	93,590	-0.1	+3.3	+4.1	104,322	102,034	93,475	94,539	+10.3	946,679	863,520	
Miscellaneous series :														
Producers' durable equipment . . . . .	87,671	87,261	85,636	+0.5	+1.9	+5.8	92,426	93,260	82,253	83,175	+11.1	852,484	773,110	
Household durable goods . . . . .	7,529	7,604	7,489	-1.0	+1.5	+0.7	8,457	8,694	7,647	7,913	+6.9	73,923	68,721	
Information technology industries . . . . .	15,781	15,692	15,650	+0.6	+0.3	+2.6	14,985	18,404	14,641	13,232	+13.2	147,463	134,008	
Health care equipment and products . . . . .	8,344	8,370	8,194	-0.3	+2.1	+0.8	8,295	9,330	8,079	7,647	+8.5	81,689	78,285	
<b>NEW ORDERS</b>														
All manufacturing industries . . . . .	258,394	255,309	253,461	+1.2	+0.7	+1.2	268,952	270,017	252,422	254,210	+5.8	2,545,555	2,405,509	
Market categories :														
Automotive equipment . . . . .	12,472	11,991	11,207	+4.0	+7.0	+7.0	14,316	12,235	10,888	11,792	+21.4	119,317	99,953	
Home goods and apparel . . . . .	17,822	17,837	17,746	-0.1	+0.5	+1.8	19,545	19,692	19,090	18,154	+7.7	178,046	158,900	
Consumer staples . . . . .	57,064	57,311	56,812	-0.4	+0.9	-1.4	58,728	61,869	56,993	56,818	+3.4	568,670	550,386	
Machinery and equipment . . . . .	43,819	42,271	42,644	+3.7	-0.9	+6.0	44,513	45,293	40,183	39,738	+12.0	416,494	382,794	
Business supplies . . . . .	19,563	19,435	19,346	+0.7	+0.5	+0.2	20,745	20,273	19,354	20,339	+2.0	194,996	190,932	
Construction materials and supplies . . . . .	16,770	16,515	16,376	+1.5	+0.8	+2.9	17,708	17,731	17,266	16,405	+7.9	165,941	154,504	
Defense products . . . . .	6,184	6,654	6,922	-7.1	-3.9	-7.0	6,672	6,867	6,269	8,285	-19.5	64,649	64,205	
Other materials, supplies and intermediate products . . . . .	84,700	83,295	82,408	+1.7	+1.1	+0.3	86,725	86,057	82,379	82,679	+4.9	837,442	803,835	
Durable goods industries :														
Nondefense capital goods <sup>3</sup> . . . . .	32,495	30,992	31,992	+4.8	-3.1	+6.3	31,524	34,256	30,274	29,152	+8.1	307,145	292,911	
Excluding aircraft and parts . . . . .	29,595	29,026	28,062	+2.0	+3.4	+1.7	29,028	31,912	26,858	24,626	+17.9	274,856	242,778	
Defense capital goods <sup>4</sup> . . . . .	5,758	6,446	6,598	-10.7	-2.3	-8.8	6,231	6,628	5,762	7,894	-21.1	61,661	61,433	
Durables excluding capital goods . . . . .	98,333	95,738	93,162	+2.7	+2.8	+2.2	104,716	99,374	92,410	93,427	+12.1	949,108	861,733	
Miscellaneous series :														
Producers' durable equipment . . . . .	88,038	85,686	84,933	+2.7	+0.9	+5.2	92,459	91,050	81,802	81,498	+13.4	843,332	760,764	
Household durable goods . . . . .	7,574	7,606	7,600	-0.4	+0.1	+0.6	8,153	8,458	7,769	7,774	+4.9	74,939	69,466	
Information technology industries . . . . .	16,175	15,764	15,292	+2.6	+3.1	+1.4	15,391	18,351	14,431	12,867	+19.6	148,223	132,089	
Health care equipment and products . . . . .	8,542	8,139	8,040	+5.0	+1.2	-1.7	8,494	9,099	7,924	8,167	+4.0	81,169	78,601	

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

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

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

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

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

**Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 93/92
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992	
<b>UNFILLED ORDERS</b>											
All manufacturing industries . . . . .	448,561	450,321	455,100	-0.4	-1.1	-0.7	444,888	448,056	455,434	477,677	-6.9
Market categories :											
Automotive equipment . . . . .	1,774	1,731	1,746	+2.5	-0.9	-0.1	1,792	1,723	1,764	1,623	+10.4
Home goods and apparel . . . . .	9,884	10,156	10,342	-2.7	-1.8	-1.1	9,717	10,667	11,182	9,649	+0.7
Consumer staples . . . . .	1,410	1,435	1,418	-1.7	+1.2	-0.6	1,431	1,482	1,446	1,409	+1.6
Machinery and equipment . . . . .	183,255	183,815	185,702	-0.3	-1.0	-0.8	182,907	183,436	185,668	203,357	-10.1
Business supplies . . . . .	5,514	5,427	5,457	+1.6	-0.5	+1.0	5,421	5,541	5,568	5,643	-3.9
Construction materials and supplies . . . . .	14,463	14,471	14,685	-0.1	-1.5	0.0	14,307	14,531	14,907	14,332	-0.2
Defense products . . . . .	113,745	115,538	116,646	-1.6	-0.9	-0.4	112,497	113,683	115,125	122,156	-7.9
Other materials, supplies and and intermediate products . . . . .	118,516	117,748	119,104	+0.7	-1.1	-0.9	116,816	116,993	119,774	119,508	-2.3
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	199,778	200,792	203,175	-0.5	-1.2	-0.9	199,588	200,475	203,156	223,536	-10.7
Excluding aircraft and parts . . . . .	73,648	72,483	72,083	+1.6	+0.6	+0.4	73,458	72,166	72,064	70,894	+3.6
Defense capital goods <sup>4</sup> . . . . .	119,959	121,856	122,924	-1.6	-0.9	-0.4	118,749	120,027	121,440	129,052	-8.0
Durables excluding capital goods . . . . .	107,678	105,872	106,766	+1.7	-0.8	-0.4	105,590	105,196	107,856	102,422	+3.1
Miscellaneous series :											
Producers' durable equipment . . . . .	209,634	209,267	210,842	+0.2	-0.7	-0.3	209,222	209,189	211,399	224,280	-6.7
Household durable goods . . . . .	5,588	5,543	5,541	+0.8	0.0	+2.0	5,442	5,746	5,982	5,151	+5.6
Information technology industries . . . . .	31,739	31,345	31,273	+1.3	+0.2	-1.1	31,876	31,470	31,523	30,849	+3.3
Health care equipment and products . . . . .	7,930	7,733	7,963	+2.5	-2.9	-1.9	7,931	7,733	7,964	8,573	-7.5
<b>TOTAL INVENTORIES</b>											
All manufacturing industries . . . . .	380,250	380,689	381,392	-0.1	-0.2	0.0	381,236	380,226	383,681	384,340	-0.8
Market categories :											
Automotive equipment . . . . .	6,099	6,161	6,185	-1.0	-0.4	+1.1	6,094	6,171	6,180	6,217	-2.0
Home goods and apparel . . . . .	30,655	30,506	30,611	+0.5	-0.3	+0.7	29,815	30,307	31,059	27,626	+7.9
Consumer staples . . . . .	58,373	58,673	58,953	-0.5	-0.5	-0.4	60,021	59,107	59,148	60,772	-1.2
Machinery and equipment . . . . .	88,542	88,251	88,126	+0.3	+0.1	-0.5	89,058	88,057	88,641	89,250	-0.2
Business supplies . . . . .	21,155	21,308	21,480	-0.7	-0.8	+0.1	21,256	21,476	21,828	22,129	-3.9
Construction materials and supplies . . . . .	23,705	23,692	23,610	+0.1	+0.3	+0.8	23,442	23,470	23,605	22,483	+4.3
Defense products . . . . .	26,027	26,620	26,565	-2.2	+0.2	-0.1	26,264	26,783	27,059	29,333	-10.5
Other materials, supplies and and intermediate products . . . . .	125,694	125,478	125,862	+0.2	-0.3	+0.1	125,286	124,855	126,161	126,530	-1.0
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	83,121	82,927	82,820	+0.2	+0.1	-1.1	83,784	82,797	83,521	84,781	-1.2
Excluding aircraft and parts . . . . .	56,276	55,814	55,914	+0.8	-0.2	+0.5	56,815	55,844	56,825	55,283	+2.8
Defense capital goods <sup>4</sup> . . . . .	27,455	28,073	28,109	-2.2	-0.1	0.0	27,742	28,286	28,703	31,309	-11.4
Durables excluding capital goods . . . . .	126,900	126,571	126,759	+0.3	-0.1	+0.5	126,469	126,312	127,473	125,311	+0.9
Miscellaneous series :											
Producers' durable equipment . . . . .	142,537	142,343	142,451	+0.1	-0.1	+0.1	143,075	142,191	143,507	143,643	-0.4
Household durable goods . . . . .	13,508	13,419	13,557	+0.7	-1.0	+0.4	13,339	13,318	13,786	12,751	+4.6
Information technology industries . . . . .	30,162	29,960	29,866	+0.7	+0.3	+0.4	30,584	30,111	30,558	28,795	+6.2
Health care equipment and products . . . . .	13,518	13,641	13,673	-0.9	-0.2	+0.2	13,557	13,509	13,750	13,505	+0.4

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 Oct. 93/92
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	Oct. 1992	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries . . . . .	120,789	120,930	121,272	-0.1	-0.3	+0.2	120,961	120,572	121,623	121,142	-0.1
Durable goods industries . . . . .	68,500	68,441	68,678	+0.1	-0.3	+0.5	68,778	68,707	69,389	68,661	+0.2
Stone, clay, and glass products . . . . .	2,522	2,523	2,509	0.0	+0.6	+0.2	2,508	2,512	2,528	2,473	+1.4
Primary metals . . . . .	5,923	5,945	6,144	-0.4	-3.2	-1.3	6,039	6,055	6,209	6,316	-4.4
Fabricated metal products . . . . .	7,616	7,826	7,739	-2.7	+1.1	+1.2	7,540	7,873	7,811	7,960	-5.3
Industrial machinery and equipment . . . . .	14,380	14,139	14,293	+1.7	-1.1	+0.2	14,470	14,150	14,452	13,868	+4.3
Electronic and other . . . . .											
electrical equipment . . . . .	10,655	10,699	10,591	-0.4	+1.0	+0.7	10,610	10,690	10,683	10,147	+4.6
Transportation equipment . . . . .	11,609	11,617	11,781	-0.1	-1.4	+0.2	11,572	11,552	11,982	12,767	-9.4
Instruments and related products . . . . .	6,705	6,754	6,783	-0.7	-0.4	-0.6	6,673	6,778	6,839	6,931	-3.7
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	9,090	8,938	8,838	+1.7	+1.1	+2.6	9,366	9,097	8,885	8,199	+14.2
Nondurable goods industries . . . . .	52,289	52,489	52,594	-0.4	-0.2	-0.1	52,183	51,865	52,234	52,481	-0.6
Food and kindred products . . . . .	10,017	10,073	10,120	-0.6	-0.5	0.0	10,176	9,684	9,808	10,362	-1.8
Tobacco products . . . . .	5,353	5,356	5,328	-0.1	+0.5	+0.5	5,249	5,255	5,102	5,102	+2.9
Textile mill products . . . . .	2,658	2,626	2,608	+1.2	+0.7	+0.2	2,569	2,580	2,631	2,560	+0.4
Paper and allied products . . . . .	6,790	6,804	6,779	-0.2	+0.4	0.0	6,744	6,754	6,720	6,770	-0.4
Chemicals and allied products . . . . .	11,248	11,467	11,427	-1.9	+0.4	-0.2	11,243	11,362	11,464	11,658	-3.6
Petroleum and coal products . . . . .	3,034	2,998	3,099	+1.2	-3.3	-1.2	3,080	2,978	3,149	3,278	-6.0
Rubber and plastics products . . . . .	4,374	4,385	4,408	-0.3	-0.5	-0.7	4,397	4,423	4,343	4,420	-0.5
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	8,815	8,780	8,825	+0.4	-0.5	+0.1	8,725	8,829	9,017	8,331	+4.7
<b>WORK IN PROCESS</b>											
All manufacturing industries . . . . .	130,072	130,033	129,743	0.0	+0.2	0.0	131,528	130,908	130,947	132,898	-1.0
Durable goods industries . . . . .	106,692	106,704	106,463	0.0	+0.2	-0.1	107,661	107,410	107,568	109,570	-1.7
Stone, clay, and glass products . . . . .	1,071	1,102	1,124	-2.8	-2.0	-0.5	1,028	1,086	1,126	1,119	-8.1
Primary metals . . . . .	7,502	7,288	7,101	+2.9	+2.6	+2.4	7,482	7,334	7,211	7,179	+4.2
Fabricated metal products . . . . .	7,754	7,622	7,671	+1.7	-0.6	+1.0	7,800	7,630	7,727	7,817	-0.2
Industrial machinery and equipment . . . . .	18,445	18,387	18,338	+0.3	+0.3	+1.4	19,022	18,825	18,560	18,689	+1.8
Electronic and other . . . . .											
electrical equipment . . . . .	14,033	13,902	14,001	+0.9	-0.7	+0.2	14,029	13,877	14,221	12,851	+9.2
Transportation equipment . . . . .	43,479	44,017	43,916	-1.2	+0.2	-1.4	43,817	44,211	44,094	47,300	-7.4
Instruments and related products . . . . .	9,718	9,689	9,679	+0.3	+0.1	-0.7	9,846	9,754	9,932	10,509	-6.3
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	4,690	4,697	4,633	-0.1	+1.4	+1.7	4,637	4,693	4,697	4,106	+12.9
Nondurable goods industries . . . . .	23,380	23,329	23,280	+0.2	+0.2	+0.3	23,867	23,498	23,379	23,328	+2.3
Food and kindred products . . . . .	4,002	3,840	3,755	+4.2	+2.3	-0.3	4,381	3,857	3,512	4,112	+6.5
Tobacco products . . . . .	165	180	178	-8.3	+1.1	-1.7	239	207	144	178	+34.3
Textile mill products . . . . .	2,513	2,506	2,464	+0.3	+1.7	+0.2	2,521	2,542	2,495	2,397	+5.2
Paper and allied products . . . . .	1,195	1,223	1,232	-2.3	-0.7	+1.3	1,142	1,201	1,247	1,168	-2.2
Chemicals and allied products . . . . .	5,775	5,760	5,763	+0.3	-0.1	-0.2	5,790	5,736	5,828	5,529	+4.7
Petroleum and coal products . . . . .	2,417	2,451	2,613	-1.4	-6.2	-0.3	2,497	2,495	2,645	2,961	-15.7
Rubber and plastics products . . . . .	1,751	1,727	1,718	+1.4	+0.5	+0.8	1,786	1,721	1,724	1,638	+9.0
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	5,562	5,642	5,557	-1.4	+1.5	+1.4	5,511	5,739	5,784	5,345	+3.1
<b>FINISHED GOODS</b>											
All manufacturing industries . . . . .	129,389	129,726	130,377	-0.3	-0.5	-0.3	128,747	128,746	131,111	130,300	-1.2
Durable goods industries . . . . .	62,284	62,426	62,547	-0.2	-0.2	-0.8	61,556	61,278	62,740	63,170	-2.6
Stone, clay, and glass products . . . . .	4,024	3,976	3,988	+1.2	-0.3	-1.7	3,829	3,792	3,921	3,973	-3.6
Primary metals . . . . .	5,954	6,008	6,139	-0.9	-2.1	-0.1	5,939	6,011	6,136	6,184	-4.0
Fabricated metal products . . . . .	7,723	7,818	7,873	-1.2	-0.7	-0.2	7,507	7,583	7,766	7,643	-1.8
Industrial machinery and equipment . . . . .	12,950	12,958	12,839	-0.1	+0.9	-0.7	12,901	12,656	13,021	13,859	-6.9
Electronic and other . . . . .											
electrical equipment . . . . .	8,798	8,585	8,556	+2.5	+0.3	+0.3	8,708	8,433	8,733	8,166	+6.6
Transportation equipment . . . . .	7,847	8,230	8,348	-4.7	-1.4	-4.1	8,026	8,258	8,415	9,350	-14.2
Instruments and related products . . . . .	6,165	6,082	6,046	+1.4	+0.6	+0.3	6,173	6,019	6,054	5,922	+4.2
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	8,823	8,769	8,758	+0.6	+0.1	+0.1	8,473	8,526	8,694	8,073	+5.0
Nondurable goods industries . . . . .	67,105	67,300	67,830	-0.3	-0.8	+0.1	67,191	67,468	68,371	67,130	+0.1
Food and kindred products . . . . .	15,934	15,921	16,063	+0.1	-0.9	-1.3	16,982	16,867	16,741	17,055	-0.4
Tobacco products . . . . .	1,062	1,166	1,206	-8.9	-3.3	-2.0	1,151	1,125	1,241	1,506	-23.6
Textile mill products . . . . .	4,061	4,072	4,100	-0.3	-0.7	-0.9	3,994	4,009	4,177	3,987	+0.2
Paper and allied products . . . . .	5,633	5,573	5,703	+1.1	-2.3	+1.9	5,421	5,360	5,636	5,481	-1.1
Chemicals and allied products . . . . .	17,700	17,792	17,895	-0.5	-0.6	+1.5	17,356	17,343	17,541	17,406	-0.3
Petroleum and coal products . . . . .	5,235	5,228	5,312	+0.1	-1.6	-3.2	5,377	5,339	5,314	5,781	-7.0
Rubber and plastics products . . . . .	6,071	6,087	6,073	-0.3	+0.2	+0.6	5,818	5,891	5,940	5,367	+8.4
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	11,409	11,461	11,478	-0.5	-0.1	+0.9	11,092	11,534	11,781	10,547	+5.2

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

**Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFULFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio <sup>1</sup>			
	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	July 1993	Oct. 1993 <sup>p</sup>	Sept. 1993 <sup>r</sup>	Aug. 1993	July 1993
All manufacturing industries . . . . .	1.46	1.46	1.49	1.52	3.22	3.22	3.30	3.41
Durable goods industries . . . . .	1.72	1.73	1.77	1.84	3.90	3.89	3.99	4.17
Stone, clay, and glass products . . . . .	1.25	1.23	1.31	1.35	1.31	1.27	1.37	1.38
Primary metals . . . . .	1.71	1.67	1.71	1.73	1.97	1.91	1.95	2.01
Fabricated metal products . . . . .	1.62	1.63	1.65	1.67	1.59	1.62	1.65	1.70
Industrial machinery and equipment . . . . .	1.90	1.86	1.90	1.93	2.27	2.22	2.27	2.30
Electronic and other electrical equipment . . . . .	1.69	1.66	1.69	1.72	2.31	2.22	2.23	2.27
Transportation equipment . . . . .	1.74	1.82	1.88	2.11	11.66	12.10	12.22	13.99
Instruments and related products . . . . .	2.11	2.07	2.07	2.12	4.95	4.84	4.93	5.05
Nondurable goods industries . . . . .	1.17	1.17	1.18	1.17	0.71	0.73	0.76	0.76
Food and kindred products . . . . .	0.86	0.85	0.85	0.88	(X)	(X)	(X)	(X)
Tobacco products . . . . .	2.68	2.54	3.25	2.05	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.59	1.60	1.56	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.27	1.25	1.29	1.27	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.34	1.35	1.36	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.90	0.91	0.93	0.92	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.41	1.40	1.41	1.48	(X)	(X)	(X)	(X)

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

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

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

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct. <sup>1</sup> 1993	Oct. <sup>2</sup> 1988-1992	Oct. 1992-Sept. 1993	Oct. <sup>1</sup> 1993	Oct. <sup>2</sup> 1988-1992	Oct. 1992-Sept. 1993	Oct. <sup>1</sup> 1993	Oct. <sup>2</sup> 1988-1992	Oct. 1992-Sept. 1993	Oct. <sup>1</sup> 1993	Oct. <sup>2</sup> 1988-1992	Oct. 1992-Sept. 1993
All manufacturing industries . . . . .	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries . . . . .	0.0	0.2	0.2	0.6	0.3	0.3	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products . . . . .	(X)	0.5	0.5	(X)	0.7	0.8	(X)	0.2	0.4	(X)	0.3	0.1
Primary metals . . . . .	0.5	0.4	0.3	0.8	0.5	1.1	0.4	0.2	0.4	(X)	0.1	0.1
Fabricated metal products . . . . .	(X)	0.2	0.2	(X)	0.6	0.5	(X)	0.2	0.4	(X)	0.1	0.3
Industrial machinery and equipment . . . . .	-0.4	0.5	0.5	-0.6	0.9	0.5	0.0	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment . . . . .	2.4	0.3	0.4	3.1	0.4	0.6	0.3	0.0	0.1	(X)	0.1	0.1
Transportation equipment . . . . .	-0.6	0.2	0.6	0.4	0.5	0.9	0.2	0.0	0.1	(X)	0.0	0.1
Instruments and related products . . . . .	(X)	0.3	0.4	(X)	0.3	1.2	(X)	0.1	0.2	(X)	0.3	0.3
Nondurable goods industries . . . . .	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.4	0.3	(X)	0.1	0.0
Food and kindred products . . . . .	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products . . . . .	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products . . . . .	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products . . . . .	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products . . . . .	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products . . . . .	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products . . . . .	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense . . . . .	-0.1	0.3	0.4	0.4	0.7	0.7	0.1	0.1	0.1	(X)	0.1	0.1
Defense . . . . .	-3.1	0.2	0.6	0.9	0.7	1.5	0.2	0.0	0.1	(X)	0.2	0.2

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

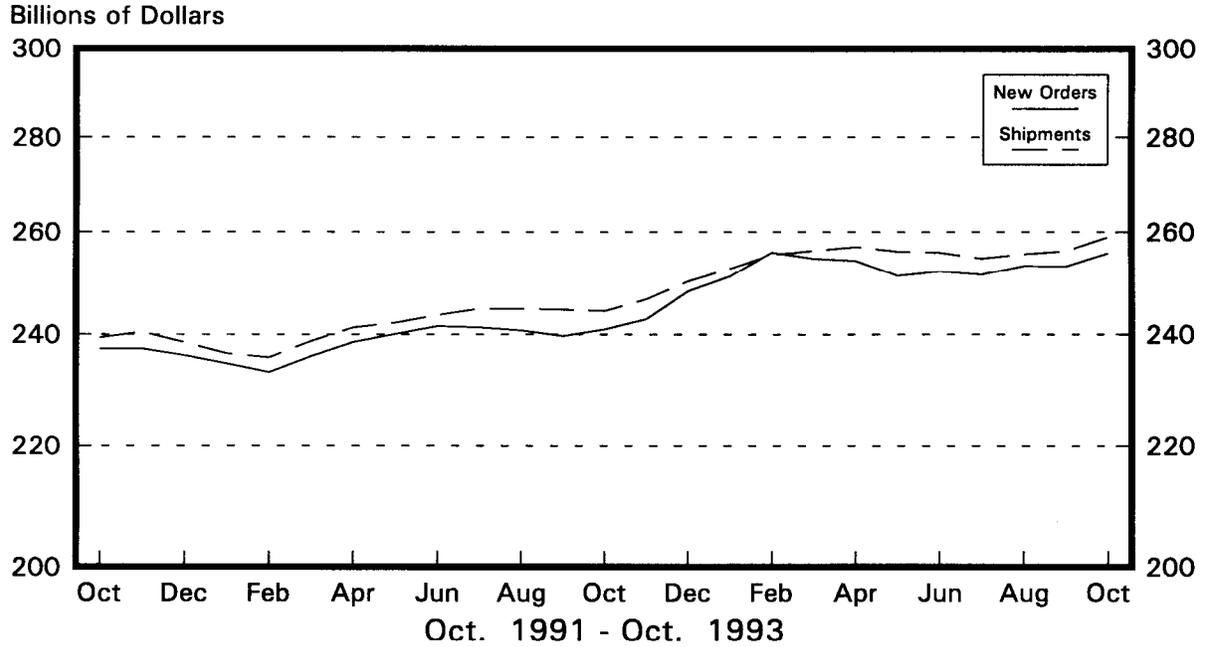
Note: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change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

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

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

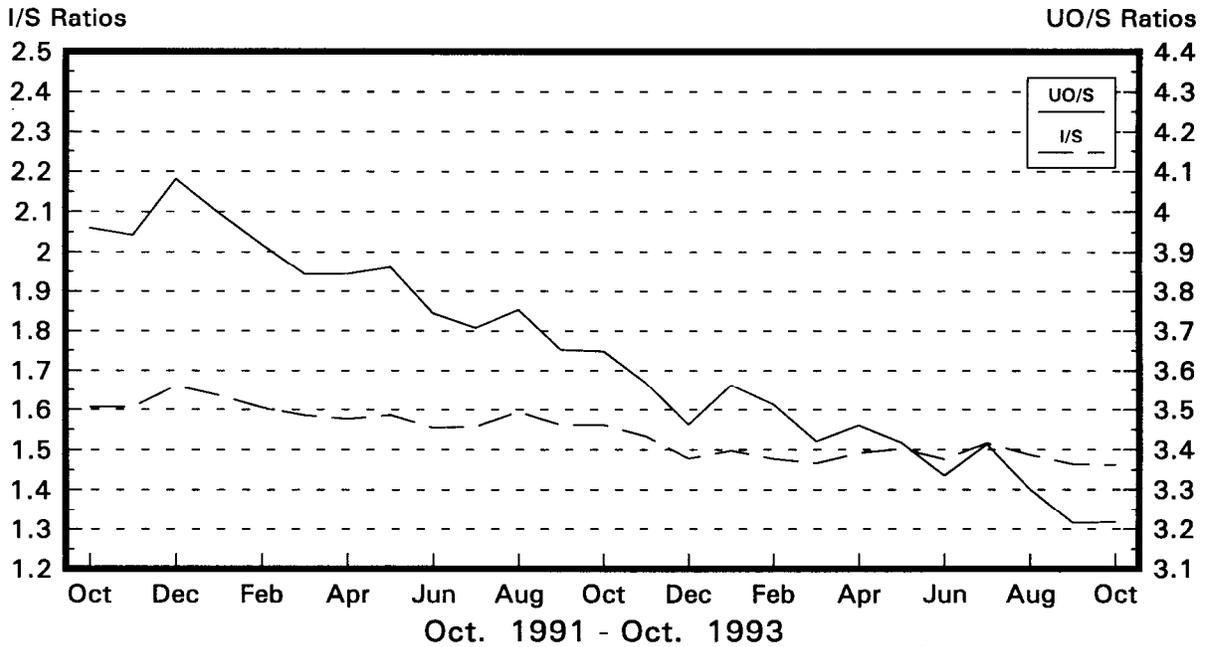
## Total Manufacturing

### New Orders and Shipments Three Month Moving Averages



## Total Manufacturing

### Ratio of Unfilled Orders and Inventories to Shipments

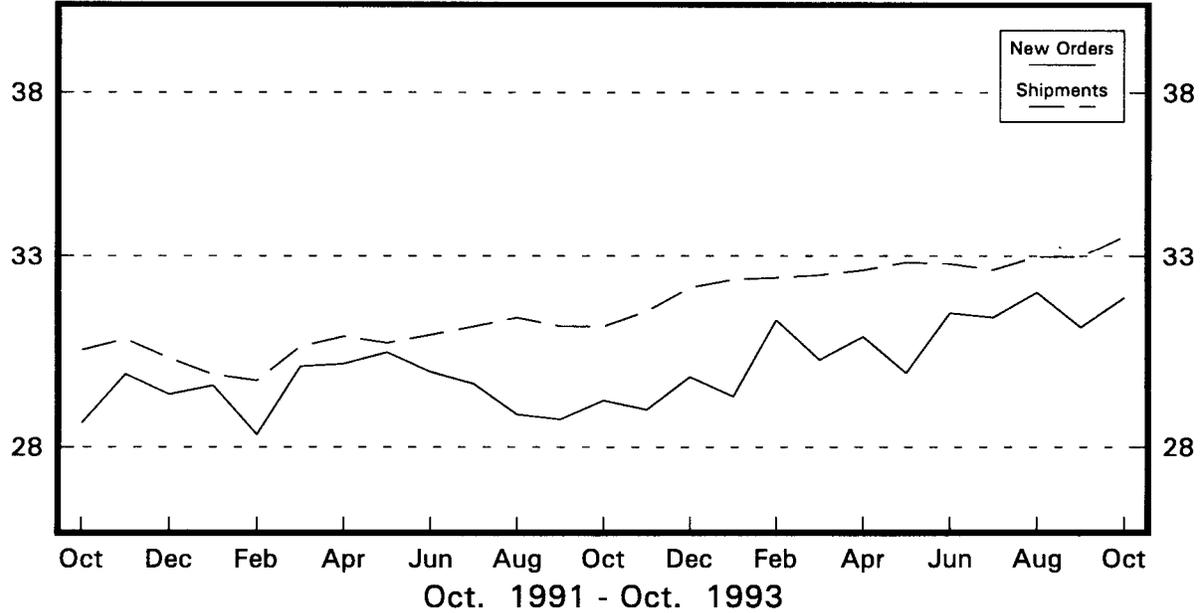


Note: All Charts based on seasonally adjusted current dollars.

# Nondefense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

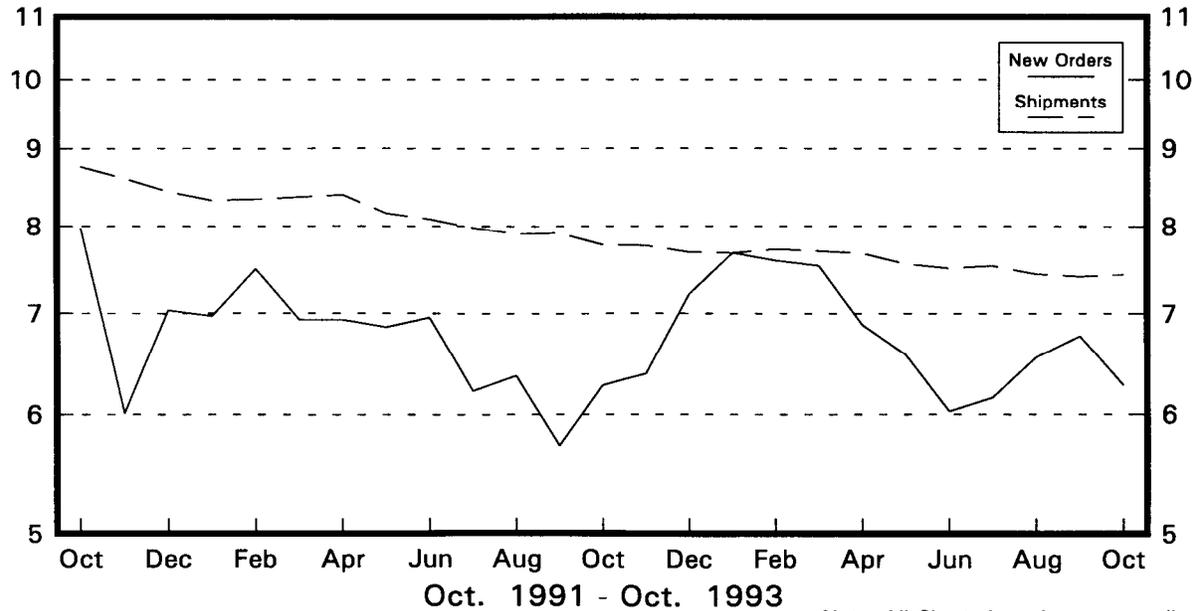
Billions of Dollars



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1994 MONTHLY M3 SURVEY  
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1993	Thur., Jan. 27	Thurs., Feb. 3
January 1994	Thur., Feb. 24	Thurs., Mar. 3
February 1994	Wed., Mar. 23	Wed., Mar. 30
March 1994	Wed., Apr. 27	Wed., May 4
April 1994	Wed., May 25	Thurs., June 2
May 1994	Thur., June 23	Thur., June 30
June 1994	Wed., July 27	Wed., Aug. 3
July 1994	Wed., Aug. 24	Wed., Aug. 31
August 1994	Wed., Sept. 28	Wed., Oct. 5
September 1994	Wed., Oct. 26	Wed., Nov. 2
October 1994	Wed., Nov. 23	Fri., Dec. 2
November 1994	Fri., Dec. 23	Thur., Jan 5, 1995

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of \$120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

