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BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

April 1998

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

Summary

New orders for manufactured goods in April increased \$4.0 billion or 1.2 percent to \$340.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.2 percent March increase and is the third increase in the last four months and the ninth in the last eleven months. Excluding transportation, new orders increased 0.3 percent, the fourth increase in the last five months. Year to date, new orders are 4.0 percent above the same period a year ago.

Shipments decreased \$2.8 billion or 0.8 percent to \$337.8 billion, following a 0.8 percent March increase. This is the first decrease since January. Year to date, shipments are 4.4 percent above the same period a year ago.

Unfilled orders, up for the first month since January, increased \$2.3 billion or 0.4 percent to \$540.8 billion, following a 0.8 percent March decrease. The unfilled orders-to-shipments ratio was 2.81, up from 2.77 in March.

Inventories increased \$2.4 billion or 0.5 percent to \$461.5 billion. This follows a 0.2 percent March increase and is the fifteenth increase in the last sixteen months. The inventories-to-shipments ratio was 1.37, up from 1.35 in March.

New Orders

New orders for manufactured durable goods in April increased \$4.1 billion or 2.2 percent to \$190.4 billion, revised from the previously published 2.6 percent increase. This follows a 0.3 percent March increase and is the third increase in the last four months.

Transportation equipment, up for the first month since January, had the largest increase, \$3.1 billion or 7.5 percent to \$45.3 billion; an increase in aircraft and parts more than offset decreases, led by motor vehicles and parts. This follows a 0.6 percent March decrease. Electronic and other electrical equipment, up four of the last five months, increased \$1.1 billion or 3.5 percent to \$32.3 billion, due to electronic components. This follows a 1.1 percent March increase. Industrial machinery and equipment, down for the first month since November, decreased \$0.5 billion or 1.3 percent to \$36.9 billion. This follows a 2.2 percent March increase.

New orders for nondurable goods, down three of the last four months, decreased \$0.1 billion or 0.1 percent to \$149.7 billion, following a 0.2 percent March increase. Decreases, led by chemicals and allied products, offset increases, led by textile mill products.

Shipments

Shipments of durable goods in April decreased \$2.6 billion or 1.4 percent to \$187.9 billion, revised from the previously published

1.0 percent decrease. This follows a 1.2 percent March increase and is the first decrease since January.

Transportation equipment, down for the first month since January, had the largest decrease, \$1.2 billion or 2.7 percent to \$44.5 billion, mostly due to motor vehicles and parts and railroad equipment. This follows a 3.1 percent March increase. Industrial machinery and equipment, up for the fifth consecutive month, increased \$0.2 billion or 0.6 percent to \$37.0 billion. This follows a 2.0 percent March increase.

Shipments of nondurable goods, down three of the last four months, decreased \$0.2 billion or 0.1 percent to \$149.9 billion, following a 0.3 percent March increase. Chemicals and allied products had the largest decline, and apparel and related products had the largest increase.

Unfilled Orders

Unfilled orders for durable goods in April increased \$2.5 billion or 0.5 percent to \$515.4 billion, unrevised from the previously published 0.5 percent increase. This follows a 0.8 percent March decrease and is the first increase since January. Electronic and other electrical equipment had the largest increase, \$1.9 billion or 3.3 percent to \$58.6 billion. This follows a 0.4 percent March increase and is the third increase in the last four months. Transportation equipment, up for the first month since January, increased \$0.8 billion or 0.3 percent to \$259.7 billion, due to aircraft and parts. This follows a 1.4 percent March decrease.

Inventories

Inventories of durable goods in April increased \$2.2 billion or 0.8 percent to \$290.4 billion, following a 0.3 percent March increase. This is the sixth increase in the last seven months and the fourteenth in the last sixteen months. Transportation equipment had the largest increase, \$1.3 billion or 1.8 percent to \$70.3 billion. This follows a 0.2 percent March increase and is the twenty-seventh increase in the last twenty-eight months. Industrial machinery and equipment increased \$0.3 billion or 0.5 percent to \$61.7 billion. This follows a slight March increase and is the third consecutive monthly increase.

Inventories of nondurable goods, up for the fifteenth consecutive month, increased \$0.3 billion or 0.2 percent to \$171.1 billion, following a slight March increase. Chemical and allied products had the largest increase, \$0.3 billion or 0.6 percent to \$45.9 billion. This follows a 0.2 percent March increase and is the twentieth increase in the last twenty-one months.

By stage of fabrication, April finished goods decreased 0.5 percent in durables and 0.1 percent in nondurables. Work in process increased 1.7 percent in durables and 1.6 percent in nondurables. Materials and supplies increased 0.7 percent in durables and declined 0.2 percent in nondurables.

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Our internet site address is: <http://www.census.gov/ftp/pub/indicator/www/m3/index.htm>

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

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Apr. 1997		Apr. 98/97	1998 ^p
All manufacturing industries	337,807	340,611	337,893	-0.8	+0.8	+1.3	334,354	358,164	335,123	325,134	+2.8	1,327,276	1,272,730
Manufacturing Industries													
with unfilled orders	192,653	194,601	192,775	-1.0	+0.9	+1.8	187,547	207,974	190,776	178,540	+5.0	752,749	703,141
without defense capital goods	331,005	333,830	331,335	-0.8	+0.8	+1.3	327,819	350,942	328,413	319,114	+2.7	1,301,494	1,248,641
Durable goods industries	187,899	190,486	188,233	-1.4	+1.2	+2.8	186,003	206,227	188,734	177,787	+4.6	740,993	694,715
With unfilled orders	154,643	156,538	154,922	-1.2	+1.0	+2.6	150,519	169,840	153,660	143,082	+5.2	605,219	562,829
Stone, clay, and glass products	7,978	7,962	7,949	+0.2	+0.2	+1.3	8,187	7,771	7,340	7,800	+5.0	30,044	28,313
Primary metals	15,287	15,368	15,506	-0.5	-0.9	+0.8	15,807	15,995	15,960	16,000	-1.2	62,398	61,835
Blast furnaces, steel mills	6,205	6,282	6,305	-1.2	-0.4	+0.3	6,382	6,505	6,552	6,462	-1.2	25,571	25,424
Iron and steel foundries	1,607	1,672	1,666	-3.9	+0.4	+9.0	1,696	1,744	1,744	1,574	+7.8	6,611	5,860
Nonferrous and other primary metals	7,475	7,414	7,535	+0.8	-1.6	-0.4	7,729	7,746	7,664	7,964	-3.0	30,216	30,551
Fabricated metal products	19,667	19,968	19,945	-1.5	+0.1	+3.7	19,907	20,730	20,137	19,268	+3.3	78,222	73,999
Industrial machinery and equipment	37,026	36,818	36,091	+0.6	+2.0	+1.3	35,701	43,553	35,431	32,264	+10.7	144,853	129,401
Engines and turbines	2,021	2,147	1,992	-5.9	+7.8	+4.5	1,896	2,552	1,979	1,785	+6.2	8,001	7,071
Farm and garden machinery	2,286	2,151	2,120	+6.3	+1.5	-1.3	3,100	2,886	2,500	2,691	+15.2	10,414	9,264
Construction, mining and material handling equipment	4,131	4,111	4,089	+0.5	+0.5	+0.7	4,270	4,603	4,340	3,994	+6.9	16,891	15,215
Metalworking machinery	3,495	3,471	3,421	+0.7	+1.5	-0.8	3,271	3,709	3,258	3,152	+3.8	12,916	12,339
Computer and office equipment	10,779	10,579	10,165	+1.9	+4.1	+3.6	8,408	14,051	8,859	6,678	+25.9	38,754	32,388
Electronic and other electrical equipment	30,444	30,980	31,026	-1.7	-0.1	+4.8	28,079	33,339	30,235	26,632	+5.4	116,706	108,874
Electrical transmission and distribution equipment and industrial apparatus	3,409	3,565	3,607	-4.4	-1.2	+3.4	3,369	3,893	3,703	3,309	+1.8	13,999	12,760
Household appliances	2,142	2,153	2,197	-0.5	-2.0	+2.1	2,122	2,377	2,099	1,994	+6.4	8,341	7,747
Electric lighting and wiring equipment	2,196	2,198	2,166	-0.1	+1.5	-0.1	2,106	2,366	2,239	2,065	+2.0	8,629	8,263
Household audio and video equipment	1,404	1,373	1,348	+2.3	+1.9	+0.8	1,146	1,318	1,218	1,044	+9.8	4,722	4,489
Communications equipment	6,795	7,099	7,080	-4.3	+0.3	+5.0	5,816	7,998	6,481	5,329	+9.1	25,259	21,912
Electronic components	12,488	12,466	12,582	+0.2	-0.9	+7.2	11,663	13,351	12,501	10,814	+7.9	48,189	45,456
Transportation equipment	44,481	45,704	44,343	-2.7	+3.1	+4.0	46,190	49,525	47,205	44,282	+4.3	180,308	169,291
Motor vehicles and parts	30,297	31,029	30,310	-2.4	+2.4	+6.1	32,145	33,469	33,510	31,126	+3.3	125,589	120,965
Aircraft, missiles, space vehicles, and parts	11,274	11,487	11,258	-1.9	+2.0	-2.6	11,057	12,629	10,936	10,436	+6.0	43,444	37,920
Shipbuilding and tanks	1,062	967	842	+9.8	+14.8	+1.4	1,091	1,002	851	891	+22.4	3,551	3,279
Instruments and related products	13,575	13,716	13,621	-1.0	+0.7	+2.0	12,973	14,710	13,464	12,407	+4.6	52,945	49,887
Search and navigation equipment	2,916	2,856	2,823	+2.1	+1.2	+1.1	2,841	3,078	2,931	2,539	+11.9	11,298	10,128
Measuring and controlling devices	3,816	3,851	4,011	-0.9	-4.0	+2.7	3,603	4,161	3,962	3,691	-2.4	15,194	14,834
Medical instruments and supplies	4,376	4,497	4,368	-2.7	+3.0	0.0	4,078	4,889	4,317	3,797	+7.4	17,220	15,882
Photographic goods	2,002	1,984	1,938	+0.9	+2.4	+6.3	1,984	2,042	1,807	1,926	+3.0	7,349	7,338
All other durable goods	19,441	19,970	19,752	-2.6	+1.1	+2.1	19,159	20,604	18,962	19,134	+0.1	75,517	73,115
Nondurable goods industries	149,908	150,125	149,660	-0.1	+0.3	-0.6	148,351	151,937	146,389	147,347	+0.7	586,283	578,015
With unfilled orders	38,010	38,063	37,853	-0.1	+0.6	-1.3	37,028	38,134	37,116	35,458	+4.4	147,530	140,312
Food and kindred products	41,795	41,872	41,802	-0.2	+0.2	-0.5	40,608	42,331	40,483	38,970	+4.2	162,571	155,100
Meat products	8,954	9,001	8,983	-0.5	+0.2	-0.1	8,655	8,972	8,696	8,606	+0.6	34,604	34,233
Dairy products	6,049	6,066	6,058	-0.3	+0.1	+4.0	5,867	6,246	5,957	4,745	+23.6	23,801	19,555
Beverages	6,115	6,002	6,181	+1.9	-2.9	-0.7	6,110	5,936	5,549	5,865	+4.2	22,908	21,720
All other foods, except fats and oils	18,577	18,629	18,390	-0.3	+1.3	-2.5	17,876	19,003	18,091	17,611	+1.5	72,685	71,337
Tobacco products	3,429	3,362	3,506	+2.0	-4.1	+6.7	3,215	3,493	3,481	2,913	+10.4	13,113	12,093
Textile mill products	6,644	6,742	6,855	-1.5	-1.6	-3.7	6,336	7,230	6,651	6,574	-3.6	26,371	26,269
Broadwoven fabrics and other textiles	4,028	4,205	4,219	-4.2	-0.3	-2.5	3,880	4,680	4,177	4,091	-5.2	16,579	16,541
Paper and allied products	14,021	14,017	13,942	0.0	+0.5	-1.5	13,774	14,130	13,945	13,310	+3.5	55,463	52,664
Pulp, paper, and paperboard mill products	5,440	5,438	5,516	0.0	-1.4	-1.0	5,308	5,471	5,502	5,313	-0.1	21,601	20,936
Paperboard containers and boxes	3,513	3,525	3,442	-0.3	+2.4	-2.7	3,553	3,607	3,464	3,268	+8.7	14,051	13,009
Miscellaneous converted paper products	5,068	5,054	4,984	+0.3	+1.4	-1.3	4,913	5,052	4,979	4,729	+3.9	19,811	18,719
Chemicals and allied products	32,244	32,556	32,377	-1.0	+0.6	-0.7	33,603	34,302	31,903	34,258	-1.9	130,989	131,020
Industrial chemicals	14,805	15,125	15,360	-2.1	-1.5	-2.5	15,198	15,718	15,571	16,612	-8.5	61,501	64,512
Drugs, soaps, and toiletries	13,170	13,210	12,787	-0.3	+3.3	+1.1	12,511	13,844	12,142	12,011	+4.2	50,949	49,251
Petroleum and coal products	13,304	13,307	13,210	0.0	+0.7	-1.9	13,103	12,172	12,175	14,977	-12.5	49,769	59,021
Rubber and plastics products	12,664	12,668	12,651	0.0	+0.1	+0.6	13,071	13,193	12,795	13,122	-0.4	50,732	49,721
All other nondurable goods	25,807	25,601	25,317	+0.8	+1.1	-0.3	24,641	25,086	24,956	23,223	+6.1	97,275	92,127

^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.

See note at end of table 2 relating to survey error and revision.

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

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Apr. 1997		Apr. 98/97	1998 ^p
All manufacturing industries	340,113	336,158	335,335	+1.2	+0.2	-0.7	338,695	352,168	334,589	325,066	+4.2	1,337,529	1,288,104
Manufacturing industries with unfilled orders	194,959	190,148	190,217	+2.5	0.0	-1.7	191,888	201,978	190,242	178,472	+7.5	763,002	718,515
without defense capital goods	333,050	331,111	329,995	+0.6	+0.3	-0.1	331,772	345,516	328,885	319,512	+3.8	1,310,859	1,263,973
Durable goods industries	190,367	186,284	185,800	+2.2	+0.3	-0.9	190,143	199,929	188,217	177,266	+7.3	750,745	708,680
With unfilled orders	157,111	152,336	152,489	+3.1	-0.1	-1.9	154,659	163,542	153,143	142,561	+8.5	614,971	576,794
Stone, clay, and glass products	7,950	8,032	7,821	-1.0	+2.7	+0.3	8,184	7,853	7,360	7,892	+3.7	30,323	28,696
Primary metals	15,339	14,655	15,482	+4.7	-5.3	+2.8	15,366	15,308	16,970	16,282	-5.6	63,330	65,061
Blast furnaces, steel mills	6,059	6,239	6,337	-2.9	-1.5	+5.3	6,026	6,465	7,040	6,708	-10.2	26,263	26,717
Iron and steel foundries	1,563	1,788	1,772	-12.6	+0.9	+14.2	1,579	1,975	1,998	1,597	-1.1	7,108	6,409
Nonferrous and other primary metals	7,717	6,628	7,373	+16.4	-10.1	-1.7	7,761	6,868	7,932	7,977	-2.7	29,959	31,935
Fabricated metal products	20,028	19,923	19,924	+0.5	0.0	+2.4	20,244	20,609	20,246	19,603	+3.3	79,003	75,303
Industrial machinery and equipment	36,941	37,416	36,620	-1.3	+2.2	+3.3	35,347	43,315	36,090	32,781	+7.8	145,760	131,461
Engines and turbines	2,310	1,883	2,078	+22.7	-9.4	+5.4	1,885	1,903	1,782	1,362	+38.4	7,098	6,374
Construction, mining and material handling equipment	4,205	4,331	4,461	-2.9	-2.9	+9.4	4,201	5,046	4,828	4,041	+4.0	18,192	16,050
Metalworking machinery	3,421	3,624	3,559	-5.6	+1.8	+2.5	3,197	3,862	3,396	3,359	-4.8	13,157	12,896
Computer and office equipment	10,652	10,647	10,192	0.0	+4.5	+3.7	8,494	13,935	9,045	6,805	+24.8	38,865	31,963
Electronic and other electrical equipment	32,314	31,229	30,880	+3.5	+1.1	-1.1	32,025	31,473	29,897	27,053	+18.4	123,308	113,479
Electrical transmission and distribution equipment and industrial apparatus	3,333	3,491	3,632	-4.5	-3.9	+7.9	3,262	3,839	3,854	3,332	-2.1	14,024	13,311
Electric lighting and wiring equipment	2,275	2,168	2,389	+4.9	-9.3	+9.3	2,185	2,336	2,462	2,187	-0.1	8,918	8,354
Communications equipment	6,787	7,589	7,488	-10.6	+1.3	-6.0	5,808	8,472	6,914	5,336	+8.8	27,357	23,400
Electronic components	14,361	12,297	11,706	+16.8	+5.0	-5.1	15,647	11,275	11,236	10,955	+42.8	51,997	46,921
Transportation equipment	45,251	42,108	42,361	+7.5	-0.6	-7.4	47,050	46,945	45,436	41,546	+13.2	181,401	169,024
Aircraft, missiles, space vehicles, and parts	13,201	8,166	9,495	+61.7	-14.0	-34.8	13,263	10,356	9,209	8,345	+58.9	45,776	38,220
Shipbuilding and tanks	570	970	583	-41.2	+66.4	-36.6	561	956	673	723	-22.4	2,939	2,382
Instruments and related products	13,483	13,288	13,267	+1.5	+0.2	-1.8	12,842	14,054	13,515	12,438	+3.2	52,417	51,564
Search and navigation equipment	2,724	2,624	2,623	+3.8	0.0	-2.1	2,497	2,978	2,882	2,259	+10.5	10,642	10,795
Measuring and controlling devices	3,672	3,700	3,882	-0.8	-4.7	-4.5	3,459	4,010	3,833	3,667	-5.7	14,929	15,030
Medical instruments and supplies	4,617	4,739	4,474	-2.6	+5.9	+0.7	4,496	4,686	4,500	4,140	+8.6	17,890	16,351
All other durable goods	19,061	19,633	19,445	-2.9	+1.0	+1.0	19,085	20,372	18,703	19,671	-3.0	75,203	74,092
Nondurable goods industries	149,746	149,874	149,535	-0.1	+0.2	-0.5	148,552	152,239	146,372	147,800	+0.5	586,784	579,424
With unfilled orders	37,848	37,812	37,728	+0.1	+0.2	-0.8	37,229	38,436	37,099	35,911	+3.7	148,031	141,721

^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.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

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 Apr. 98/97
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Apr. 1997	
All manufacturing industries	540,850	538,544	542,997	+0.4	-0.8	-0.5	545,601	541,260	547,256	527,593	+3.4
Manufacturing industries without defense capital goods	438,337	436,292	439,011	+0.5	-0.6	-0.3	440,728	436,775	442,201	415,873	+6.0
Durable goods industries	515,441	512,973	517,175	+0.5	-0.8	-0.5	519,939	515,799	522,097	501,539	+3.7
Stone, clay, and glass products	6,373	6,401	6,331	-0.4	+1.1	-2.0	6,524	6,527	6,445	6,960	-6.3
Primary metals	33,213	33,161	33,874	+0.2	-2.1	-0.1	34,269	34,710	35,397	31,664	+8.2
Blast furnaces, steel mills	14,044	14,190	14,233	-1.0	-0.3	+0.2	14,584	14,940	14,980	12,828	+13.7
Iron and steel foundries	5,750	5,794	5,678	-0.8	+2.0	+1.9	5,942	6,059	5,828	4,841	+22.7
Nonferrous and other primary metals	13,419	13,177	13,963	+1.8	-5.6	-1.1	13,743	13,711	14,589	13,995	-1.8
Fabricated metal products	27,564	27,203	27,248	+1.3	-0.2	-0.1	27,499	27,162	27,283	25,534	+7.7
Industrial machinery and equipment	73,695	73,780	73,182	-0.1	+0.8	+0.7	73,815	74,169	74,407	74,224	-0.6
Engines and turbines	11,887	11,598	11,862	+2.5	-2.2	+0.7	11,381	11,392	12,041	12,004	-5.2
Construction, mining and material handling equipment	11,243	11,169	10,949	+0.7	+2.0	+3.5	11,679	11,748	11,305	9,464	+23.4
Metalworking machinery	7,386	7,460	7,307	-1.0	+2.1	+1.9	7,386	7,460	7,307	8,767	-15.8
Computer and office equipment	7,928	8,055	7,987	-1.6	+0.9	+0.3	7,838	7,752	7,868	9,356	-16.2
Electronic and other electrical equipment	58,603	56,733	56,484	+3.3	+0.4	-0.3	59,463	55,517	57,383	52,467	+13.3
Electrical transmission and distribution equipment and industrial apparatus	6,148	6,224	6,298	-1.2	-1.2	+0.4	6,246	6,353	6,407	6,853	-8.9
Electric lighting and wiring equipment	5,112	5,033	5,063	+1.6	-0.6	+4.6	5,112	5,033	5,063	4,505	+13.5
Communications equipment	16,397	16,405	15,915	0.0	+3.1	+2.6	16,399	16,407	15,933	13,888	+18.1
Electronic components	24,737	22,864	23,033	+8.2	-0.7	-3.7	25,507	21,523	23,599	21,226	+20.2
Transportation equipment	259,673	258,903	262,499	+0.3	-1.4	-0.7	261,818	260,958	263,538	255,468	+2.5
Aircraft, missiles, space vehicles, and parts	225,873	223,946	227,267	+0.9	-1.5	-0.8	227,924	225,718	227,991	223,209	+2.1
Shipbuilding and tanks	17,877	18,369	18,366	-2.7	0.0	-1.4	17,808	18,338	18,384	18,556	-4.0
Instruments and related products	48,124	48,216	48,644	-0.2	-0.9	-0.7	48,416	48,547	49,203	47,489	+2.0
Search and navigation equipment	27,841	28,033	28,265	-0.7	-0.8	-0.7	28,148	28,492	28,592	28,284	-0.5
Measuring and controlling devices	9,879	10,023	10,174	-1.4	-1.5	-1.3	9,879	10,023	10,174	9,943	-0.6
Medical instruments and supplies	8,975	8,734	8,492	+2.8	+2.8	+1.3	8,982	8,564	8,767	7,895	+13.8
All other durable goods	8,196	8,576	8,913	-4.4	-3.8	-3.3	8,135	8,209	8,441	7,733	+5.2
Nondurable goods industries	25,409	25,571	25,822	-0.6	-1.0	-0.5	25,662	25,461	25,159	26,054	-1.5

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 98/97
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Apr. 1997	
All manufacturing industries	461,514	459,090	458,058	+0.5	+0.2	+0.6	463,853	458,068	461,124	443,755	+4.5
Manufacturing industries with unfilled orders	307,436	304,874	303,900	+0.8	+0.3	+0.7	309,305	303,069	304,949	295,086	+4.8
without defense capital goods	443,995	441,667	440,641	+0.5	+0.2	+0.6	446,264	440,733	443,776	427,428	+4.4
Durable goods industries	290,412	288,248	287,243	+0.8	+0.3	+0.8	291,864	287,075	289,272	278,435	+4.8
With unfilled orders	266,866	264,544	263,824	+0.9	+0.3	+0.8	268,199	262,795	264,937	255,478	+5.0
Stone, clay, and glass products	8,774	8,806	8,788	-0.4	+0.2	0.0	9,005	9,019	9,009	8,910	+1.1
Primary metals	24,742	24,640	24,754	+0.4	-0.5	-1.4	24,726	24,595	24,879	24,682	+0.2
Blast furnaces, steel mills	12,165	12,128	12,081	+0.3	+0.4	-0.1	11,993	11,975	12,154	11,979	+0.1
Iron and steel foundries	1,639	1,630	1,637	+0.6	-0.4	-1.8	1,696	1,675	1,658	1,727	-1.8
Nonferrous and other primary metals	10,938	10,882	11,036	+0.5	-1.4	-2.8	11,037	10,945	11,067	10,976	+0.6
Fabricated metal products	30,108	29,945	29,606	+0.5	+1.1	+1.0	30,501	30,213	29,735	28,625	+6.6
Industrial machinery and equipment	61,679	61,379	61,351	+0.5	0.0	+1.6	62,164	60,690	62,327	59,793	+4.0
Engines and turbines	4,199	4,146	4,193	+1.3	-1.1	+2.0	4,158	4,008	4,164	3,640	+14.2
Farm and garden machinery	3,370	3,466	3,444	-2.8	+0.6	+1.5	3,400	3,718	3,824	3,192	+6.5
Construction, mining and material handling equipment	8,516	8,421	8,361	+1.1	+0.7	+1.4	8,638	8,511	8,493	7,746	+11.5
Metalworking machinery	7,311	7,274	7,263	+0.5	+0.2	+1.5	7,409	7,190	7,236	7,515	-1.4
Computer and office equipment	11,341	11,198	11,151	+1.3	+0.4	+1.0	11,409	10,392	11,408	11,878	-3.9
Electronic and other electrical equipment	41,461	41,487	41,372	-0.1	+0.3	+1.0	41,722	40,935	41,345	39,889	+4.6
Electrical transmission and distribution equipment and industrial apparatus	5,108	5,249	5,288	-2.7	-0.7	-0.1	5,099	5,208	5,309	5,266	-3.2
Household appliances	2,673	2,635	2,598	+1.4	+1.4	+1.9	2,850	2,725	2,695	2,965	-3.9
Electric lighting and wiring equipment	3,433	3,411	3,414	+0.6	-0.1	-0.4	3,476	3,375	3,419	3,383	+2.7
Household audio and video equipment	1,251	1,322	1,369	-5.4	-3.4	-1.4	1,219	1,262	1,347	1,530	-20.3
Communications equipment	10,995	11,040	11,207	-0.4	-1.5	+0.5	11,097	10,781	11,227	10,605	+4.6
Electronic components	14,718	14,547	14,191	+1.2	+2.5	+2.7	14,651	14,324	14,117	12,671	+15.6
Transportation equipment	70,303	69,042	68,878	+1.8	+0.2	+1.0	70,293	69,012	69,263	65,754	+6.9
Motor vehicles and parts	16,743	17,048	16,664	-1.8	+2.3	+0.6	16,867	17,237	16,727	17,081	-1.3
Aircraft, missiles, space vehicles, and parts	48,602	47,133	47,242	+3.1	-0.2	+1.3	48,438	46,856	47,477	43,920	+10.3
Shipbuilding and tanks	1,623	1,663	1,634	-2.4	+1.8	-4.2	1,655	1,722	1,672	1,732	-4.4
Instruments and related products	25,553	25,435	25,191	+0.5	+1.0	+0.3	25,726	25,164	25,001	24,816	+3.7
Search and navigation equipment	6,268	6,280	6,211	-0.2	+1.1	-0.2	6,338	6,179	6,175	6,241	+1.6
Measuring and controlling devices	8,074	8,003	7,945	+0.9	+0.7	+0.6	8,133	7,965	7,916	7,791	+4.4
Medical instruments and supplies	8,077	8,021	7,925	+0.7	+1.2	0.0	8,088	7,914	7,873	7,807	+3.6
Photographic goods	2,418	2,411	2,405	+0.3	+0.2	+1.0	2,446	2,385	2,337	2,342	+4.4
All other durable goods	27,792	27,514	27,303	+1.0	+0.8	+0.4	27,727	27,447	27,713	25,966	+6.8
Nondurable goods industries	171,102	170,842	170,815	+0.2	0.0	+0.4	171,989	170,993	171,852	165,320	+4.0
With unfilled orders	40,570	40,330	40,076	+0.6	+0.6	+0.1	41,106	40,274	40,012	39,608	+3.8
Food and kindred products	36,290	36,316	36,498	-0.1	-0.5	+0.6	35,601	35,956	36,694	34,233	+4.0
Meat products	3,978	4,012	4,054	-0.8	-1.0	-0.7	4,085	4,081	4,126	3,890	+5.0
Dairy products	3,623	3,639	3,679	-0.4	-1.1	+4.0	3,723	3,603	3,600	3,294	+13.0
Beverages	7,324	7,308	7,225	+0.2	+1.1	-0.1	7,339	7,325	7,225	6,693	+9.7
All other foods, except fats and oils	19,385	19,439	19,510	-0.3	-0.4	+0.1	18,418	18,909	19,486	18,389	+0.2
Tobacco products	6,166	6,258	6,250	-1.5	+0.1	-1.1	6,100	6,367	6,743	6,170	-1.1
Textile mill products	10,349	10,338	10,339	+0.1	0.0	+0.3	10,623	10,365	10,467	10,442	+1.7
Broadwoven fabrics and other textiles	6,511	6,482	6,498	+0.4	-0.2	0.0	6,656	6,471	6,612	6,469	+2.9
Paper and allied products	16,506	16,458	16,437	+0.3	+0.1	-0.2	16,751	16,657	16,641	16,180	+3.5
Pulp, paper, and paperboard mill products	6,682	6,666	6,651	+0.2	+0.2	-1.2	6,757	6,762	6,794	6,652	+1.6
Paperboard containers and boxes	4,155	4,153	4,107	0.0	+1.1	+0.8	4,233	4,229	4,179	3,969	+6.7
Miscellaneous converted paper products	5,669	5,639	5,679	+0.5	-0.7	+0.1	5,761	5,666	5,668	5,559	+3.6
Chemicals and allied products	45,921	45,656	45,572	+0.6	+0.2	+1.0	46,468	46,019	46,126	42,440	+9.5
Industrial chemicals	20,436	20,260	20,289	+0.9	-0.1	+0.8	20,415	20,301	20,593	19,395	+5.3
Drugs, soaps, and toiletries	20,081	19,935	19,806	+0.7	+0.7	+1.5	20,398	19,779	19,640	17,647	+15.6
Petroleum and coal products	11,203	11,203	11,316	0.0	-1.0	+0.4	11,306	11,072	11,016	12,512	-9.6
Rubber and plastics products	16,432	16,447	16,531	-0.1	-0.5	0.0	16,702	16,805	16,930	16,328	+2.3
All other nondurable goods	28,235	28,166	27,872	+0.2	+1.1	+0.5	28,438	27,752	27,235	27,015	+5.3

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted ²						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Apr. 1997		Apr. 98/97	1998 ^p
SHIPMENTS													
All manufacturing industries	337,807	340,611	337,893	-0.8	+0.8	+1.3	334,354	358,164	335,123	325,134	+2.8	1,327,276	1,272,730
Market categories :													
Automotive equipment	14,755	15,182	14,782	-2.8	+2.7	+5.6	15,581	16,408	16,060	15,198	+2.5	60,802	59,064
Home goods and apparel	19,910	19,802	19,897	+0.5	-0.5	+0.2	18,654	20,632	19,646	18,030	+3.5	75,532	71,743
Consumer staples	70,545	70,358	69,943	+0.3	+0.6	0.0	68,165	70,681	67,145	66,262	+2.9	271,406	265,320
Machinery and equipment	63,850	64,679	63,289	-1.3	+2.2	+2.1	61,989	73,204	62,237	57,244	+8.3	249,024	224,968
Business supplies	25,736	26,086	25,634	-1.3	+1.8	-0.7	26,183	26,221	25,065	25,728	+1.8	101,061	98,670
Construction materials and supplies	21,145	21,408	21,236	-1.2	+0.8	+1.5	21,264	21,438	20,229	21,154	+0.5	81,140	78,891
Defense products	7,137	7,093	6,917	+0.6	+2.5	+0.7	6,916	7,541	7,117	6,415	+7.8	27,281	25,692
Other materials, supplies and and intermediate products	114,729	116,003	116,195	-1.1	-0.2	+1.7	115,602	122,039	117,624	115,103	+0.4	461,030	448,382
Durable goods industries :													
Nondefense capital goods ³	50,297	51,022	49,936	-1.4	+2.2	+1.6	46,852	58,989	47,796	42,903	+9.2	193,306	170,588
Excluding aircraft and parts	42,687	43,294	42,315	-1.4	+2.3	+2.5	39,259	50,358	40,534	35,733	+9.9	163,876	145,791
Defense capital goods ⁴	6,802	6,781	6,558	+0.3	+3.4	+0.7	6,535	7,222	6,710	6,020	+8.6	25,782	24,089
Durables excluding capital goods	130,800	132,683	131,739	-1.4	+0.7	+3.4	132,616	140,016	134,228	128,864	+2.9	521,905	500,038
Miscellaneous series :													
Producers' durable equipment	121,141	123,594	121,515	-2.0	+1.7	+3.0	119,854	136,816	122,760	113,763	+5.4	481,421	446,496
Household durable goods	10,257	10,338	10,406	-0.8	-0.7	+2.3	9,707	11,164	10,012	9,109	+6.6	39,239	36,306
Information technology industries	24,072	24,176	23,913	-0.4	+1.1	+3.9	20,509	28,969	21,865	18,286	+12.2	89,365	78,975
Health care equipment and products	11,535	11,678	11,323	-1.2	+3.1	+0.7	10,893	12,414	10,935	10,343	+5.3	44,942	42,683
NEW ORDERS													
All manufacturing industries	340,113	336,158	335,335	+1.2	+0.2	-0.7	338,695	352,168	334,589	325,066	+4.2	1,337,529	1,288,104
Market categories :													
Automotive equipment	14,683	15,158	14,762	-3.1	+2.7	+5.6	15,493	16,374	16,058	15,191	+2.0	60,770	59,301
Home goods and apparel	19,542	19,175	19,546	+1.9	-1.9	+0.7	18,373	20,117	19,689	18,239	+0.7	75,141	72,595
Consumer staples	70,497	70,462	69,989	0.0	+0.7	0.0	68,142	70,759	67,055	66,365	+2.7	271,359	265,265
Machinery and equipment	64,944	63,431	62,831	+2.4	+1.0	-3.5	63,487	71,193	62,381	56,361	+12.6	253,232	230,182
Business supplies	25,708	26,144	25,803	-1.7	+1.3	+0.1	26,282	26,273	25,195	25,945	+1.3	101,351	98,927
Construction materials and supplies	21,292	21,383	21,360	-0.4	+0.1	+2.0	21,451	21,442	20,504	21,498	-0.2	81,892	79,741
Defense products	7,260	5,214	5,656	+39.2	-7.8	-28.7	7,073	6,755	6,023	5,965	+18.6	27,508	25,280
Other materials, supplies and and intermediate products	116,187	115,191	115,388	+0.9	-0.2	+0.7	118,394	119,255	117,684	115,502	+2.5	466,276	456,813
Durable goods industries :													
Nondefense capital goods ³	51,004	49,856	49,908	+2.3	-0.1	-4.2	47,378	57,026	48,110	41,104	+15.3	196,424	174,343
Excluding aircraft and parts	42,150	43,475	43,369	-3.0	+0.2	+2.7	38,541	49,742	41,930	35,991	+7.1	166,213	150,307
Defense capital goods ⁴	7,063	5,047	5,340	+39.9	-5.5	-29.2	6,923	6,652	5,704	5,554	+24.6	26,670	24,131
Durables excluding capital goods	132,300	131,381	130,552	+0.7	+0.6	+2.1	135,842	136,251	134,403	130,608	+4.0	527,651	510,206
Miscellaneous series :													
Producers' durable equipment	121,938	121,821	120,543	+0.1	+1.1	-0.4	120,763	133,658	122,556	113,215	+6.7	484,951	454,097
Household durable goods	9,987	9,847	10,178	+1.4	-3.3	+3.2	9,413	10,571	9,954	9,266	+1.6	38,552	36,976
Information technology industries	23,597	24,500	24,132	-3.7	+1.5	-1.4	20,239	29,129	22,281	18,346	+10.3	91,076	81,075
Health care equipment and products	11,775	11,920	11,427	-1.2	+4.3	+0.9	11,311	12,211	11,117	10,689	+5.8	45,610	43,158

^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.

See note at end of table 2 relating to survey error and revision.

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

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 98/97
	Apr. 1998 ^a	Mar. 1998 ^a	Feb. 1998	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1998 ^a	Mar. 1998 ^a	Feb. 1998	Apr. 1997	
UNFILLED ORDERS											
All manufacturing industries	540,850	538,544	542,997	+0.4	-0.8	-0.5	545,601	541,260	547,256	527,593	+3.4
Market categories :											
Automotive equipment	2,293	2,364	2,388	-3.0	-1.0	-0.9	2,329	2,417	2,451	2,441	-4.6
Home goods and apparel	8,579	8,947	9,574	-4.1	-6.5	-3.5	8,619	8,900	9,415	8,359	+3.1
Consumer staples	2,273	2,321	2,217	-2.1	+4.7	+2.1	2,076	2,099	2,021	2,103	-1.3
Machinery and equipment	250,483	249,389	250,637	+0.4	-0.5	-0.2	251,107	249,609	251,620	233,786	+7.4
Business supplies	6,904	6,931	6,873	-0.4	+0.8	+2.5	6,848	6,749	6,696	6,867	-0.3
Construction materials and supplies	17,899	17,751	17,776	+0.8	-0.1	+0.7	18,061	17,874	17,869	16,978	+6.4
Defense products	97,521	97,397	99,276	+0.1	-1.9	-1.3	99,679	99,523	100,309	106,694	-6.6
Other materials, supplies and and intermediate products	154,898	153,444	154,256	+0.9	-0.5	-0.5	156,882	154,089	156,875	150,365	+4.3
Durable goods industries :											
Nondefense capital goods ³	267,268	266,561	267,727	+0.3	-0.4	0.0	267,531	267,005	268,968	253,278	+5.6
Excluding aircraft and parts	103,457	103,994	103,813	-0.5	+0.2	+1.0	103,720	104,438	105,054	98,291	+5.5
Defense capital goods ⁴	102,513	102,252	103,986	+0.3	-1.7	-1.2	104,873	104,485	105,055	111,720	-6.1
Durables excluding capital goods	145,660	144,160	145,462	+1.0	-0.9	-0.8	147,535	144,309	148,074	136,541	+8.1
Miscellaneous series :											
Producers' durable equipment	289,735	288,938	290,711	+0.3	-0.6	-0.3	290,057	289,148	292,306	270,611	+7.2
Household durable goods	5,714	5,984	6,475	-4.5	-7.6	-3.4	5,540	5,834	6,427	5,470	+1.3
Information technology industries	39,494	39,969	39,645	-1.2	+0.8	+0.6	39,430	39,700	39,540	37,190	+6.0
Health care equipment and products	9,018	8,778	8,536	+2.7	+2.8	+1.2	9,024	8,606	8,808	7,931	+13.8
TOTAL INVENTORIES											
All manufacturing industries	461,514	459,090	458,058	+0.5	+0.2	+0.6	463,853	458,068	461,124	443,755	+4.5
Market categories :											
Automotive equipment	8,351	8,420	8,264	-0.8	+1.9	+0.1	8,464	8,533	8,356	8,386	+0.9
Home goods and apparel	33,158	33,191	32,956	-0.1	+0.7	+0.7	33,534	32,983	32,847	32,168	+4.2
Consumer staples	71,902	71,859	71,913	+0.1	-0.1	+0.6	71,639	71,327	72,077	68,195	+5.1
Machinery and equipment	116,857	115,166	115,095	+1.5	+0.1	+0.6	117,485	114,091	116,337	111,366	+5.5
Business supplies	27,575	27,406	27,157	+0.6	+0.9	+0.4	27,895	27,430	27,098	26,585	+4.9
Construction materials and supplies	27,813	27,694	27,644	+0.4	+0.2	-0.1	28,113	27,948	27,977	27,408	+2.6
Defense products	17,065	16,926	16,923	+0.8	0.0	+0.7	17,141	16,837	16,869	16,060	+6.7
Other materials, supplies and and intermediate products	158,793	158,428	158,106	+0.2	+0.2	+0.8	159,582	158,919	159,563	153,587	+3.9
Durable goods industries :											
Nondefense capital goods ³	110,238	108,677	109,068	+1.4	-0.4	+1.0	110,690	107,201	110,009	105,281	+5.1
Excluding aircraft and parts	73,016	72,820	73,091	+0.3	-0.4	+0.9	73,672	71,563	73,708	71,448	+3.1
Defense capital goods ⁴	17,519	17,423	17,417	+0.6	0.0	+0.8	17,589	17,335	17,348	16,327	+7.7
Durables excluding capital goods	162,655	162,148	160,758	+0.3	+0.9	+0.6	163,585	162,539	161,915	156,827	+4.3
Miscellaneous series :											
Producers' durable equipment	187,802	185,875	184,686	+1.0	+0.6	+0.5	189,012	184,674	186,128	180,656	+4.6
Household durable goods	16,615	16,546	16,393	+0.4	+0.9	+0.7	16,744	16,472	16,531	16,037	+4.4
Information technology industries	34,993	34,842	34,822	+0.4	+0.1	+0.7	35,317	33,720	35,003	34,676	+1.8
Health care equipment and products	18,956	18,822	18,660	+0.7	+0.9	+0.9	19,136	18,634	18,523	17,377	+10.1

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,
BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				Percent change Apr. 98/97
	Monthly			Percent Change			Monthly				
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Apr. 1997	
MATERIALS AND SUPPLIES											
All manufacturing industries	152,382	151,934	151,236	+0.3	+0.5	+0.7	152,096	151,230	151,814	145,690	+4.4
Durable goods industries	89,881	89,277	88,772	+0.7	+0.6	+0.8	89,092	88,077	88,852	84,274	+5.7
Stone, clay, and glass products	2,931	2,926	2,914	+0.2	+0.4	-1.3	2,904	2,893	2,914	2,889	+0.5
Primary metals	8,000	7,881	7,831	+1.5	+0.6	-1.0	7,757	7,623	7,789	7,714	+0.6
Fabricated metal products	11,019	10,891	10,808	+1.2	+0.8	+1.4	10,987	10,875	10,812	10,395	+5.7
Industrial machinery and equipment	19,148	18,849	18,559	+1.6	+1.6	+1.4	18,954	18,386	18,653	17,609	+7.6
Electronic and other	13,858	14,055	14,194	-1.4	-1.0	0.0	13,905	13,927	14,062	13,693	+1.5
electrical equipment	15,261	15,348	15,329	-0.6	+0.1	+2.1	15,258	15,361	15,382	14,242	+7.1
Transportation equipment	9,040	8,889	8,725	+1.7	+1.9	+0.8	9,089	8,839	8,649	8,106	+12.1
Instruments and related products	10,624	10,438	10,412	+1.8	+0.2	+0.5	10,238	10,173	10,591	9,626	+6.4
Lumber, furniture and	10,624	10,438	10,412	+1.8	+0.2	+0.5	10,238	10,173	10,591	9,626	+6.4
miscellaneous durable goods	62,501	62,657	62,464	-0.2	+0.3	+0.6	63,004	63,153	62,962	61,416	+2.6
Nondurable goods industries	11,427	11,346	11,368	+0.7	-0.2	+1.7	11,497	11,484	11,606	11,274	+2.0
Food and kindred products	5,175	5,230	5,257	-1.1	-0.5	-1.9	5,243	5,396	5,567	5,305	-1.2
Tobacco products	3,055	3,067	3,047	-0.4	+0.7	+0.1	3,126	3,118	3,098	3,275	-4.5
Textile mill products	8,048	8,040	7,960	+0.1	+1.0	-0.4	8,131	8,112	8,035	7,895	+3.0
Paper and allied products	15,044	15,097	15,024	-0.4	+0.5	+0.9	15,111	15,112	15,028	14,180	+6.6
Chemicals and allied products	3,242	3,435	3,556	-5.6	-3.4	+1.4	3,305	3,510	3,466	3,705	-10.8
Petroleum and coal products	6,482	6,464	6,466	+0.3	0.0	+0.6	6,538	6,502	6,532	6,257	+4.5
Rubber and plastics products	10,028	9,978	9,786	+0.5	+2.0	+1.2	10,053	9,919	9,630	9,525	+5.5
Apparel, printing and publishing	10,028	9,978	9,786	+0.5	+2.0	+1.2	10,053	9,919	9,630	9,525	+5.5
and leather goods											
WORK IN PROCESS											
All manufacturing industries	149,115	146,662	146,461	+1.7	+0.1	+0.7	149,370	145,549	146,784	140,007	+6.7
Durable goods industries	119,340	117,344	117,000	+1.7	+0.3	+0.7	119,770	116,704	117,422	112,832	+6.1
Stone, clay, and glass products	1,261	1,279	1,299	-1.4	-1.5	+0.6	1,325	1,373	1,385	1,314	+0.8
Primary metals	8,701	8,674	8,796	+0.3	-1.4	-2.0	8,748	8,745	8,799	8,829	-0.9
Fabricated metal products	8,395	8,393	8,081	0.0	+3.9	-0.3	8,434	8,375	7,975	7,927	+6.4
Industrial machinery and equipment	23,765	23,368	23,527	+1.7	-0.7	+1.4	24,065	23,022	23,709	23,042	+4.4
Electronic and other	16,167	15,885	15,820	+1.8	+0.4	+1.4	16,171	15,741	15,950	14,708	+9.9
electrical equipment	46,026	44,595	44,545	+3.2	+0.1	+0.8	45,891	44,372	44,740	41,891	+9.5
Transportation equipment	9,803	9,888	9,797	-0.9	+0.9	-0.2	9,901	9,805	9,743	10,115	-2.1
Instruments and related products	5,222	5,262	5,135	-0.8	+2.5	+1.4	5,235	5,271	5,121	5,006	+4.6
Lumber, furniture and	5,222	5,262	5,135	-0.8	+2.5	+1.4	5,235	5,271	5,121	5,006	+4.6
miscellaneous durable goods	29,775	29,318	29,461	+1.6	-0.5	+0.6	29,600	28,845	29,362	27,175	+8.9
Nondurable goods industries	5,384	5,313	5,373	+1.3	-1.1	-0.2	5,049	5,159	5,371	4,675	+8.0
Food and kindred products	196	173	159	+13.3	+8.8	+16.1	161	156	156	164	-1.8
Tobacco products	2,591	2,591	2,611	0.0	-0.8	-0.2	2,620	2,583	2,612	2,572	+1.9
Textile mill products	1,852	1,853	1,895	-0.1	-2.2	+0.1	1,861	1,852	1,910	1,696	+9.7
Paper and allied products	8,852	8,595	8,587	+3.0	+0.1	+1.1	8,886	8,443	8,567	7,311	+21.5
Chemicals and allied products	2,530	2,554	2,564	-0.9	-0.4	+4.8	2,581	2,549	2,533	2,812	-8.2
Petroleum and coal products	2,234	2,271	2,251	-1.6	+0.9	+0.9	2,215	2,280	2,297	2,155	+2.8
Rubber and plastics products	6,136	5,968	6,021	+2.8	-0.9	-0.8	6,227	5,823	5,916	5,790	+7.5
Apparel, printing and publishing	6,136	5,968	6,021	+2.8	-0.9	-0.8	6,227	5,823	5,916	5,790	+7.5
and leather goods											
FINISHED GOODS											
All manufacturing industries	160,017	160,494	160,361	-0.3	+0.1	+0.5	162,387	161,289	162,526	158,058	+2.7
Durable goods industries	81,191	81,627	81,471	-0.5	+0.2	+0.8	83,002	82,294	82,998	81,329	+2.1
Stone, clay, and glass products	4,582	4,601	4,575	-0.4	+0.6	+0.6	4,776	4,753	4,710	4,707	+1.5
Primary metals	8,041	8,085	8,127	-0.5	-0.5	-1.2	8,221	8,227	8,291	8,139	+1.0
Fabricated metal products	10,694	10,661	10,717	+0.3	-0.5	+1.7	11,080	10,963	10,948	10,303	+7.5
Industrial machinery and equipment	18,766	19,162	19,265	-2.1	-0.5	+2.0	19,145	19,282	19,965	19,142	0.0
Electronic and other	11,436	11,547	11,358	-1.0	+1.7	+1.9	11,646	11,267	11,333	11,488	+1.4
electrical equipment	9,016	9,099	9,004	-0.9	+1.1	0.0	9,144	9,279	9,141	9,621	-5.0
Transportation equipment	6,710	6,658	6,669	+0.8	-0.2	+0.2	6,736	6,520	6,609	6,595	+2.1
Instruments and related products	11,946	11,814	11,756	+1.1	+0.5	-0.1	12,254	12,003	12,001	11,334	+8.1
Lumber, furniture and	11,946	11,814	11,756	+1.1	+0.5	-0.1	12,254	12,003	12,001	11,334	+8.1
miscellaneous durable goods	78,826	78,867	78,890	-0.1	0.0	+0.2	79,385	78,995	79,528	76,729	+3.5
Nondurable goods industries	19,479	19,657	19,757	-0.9	-0.5	+0.1	19,055	19,313	19,717	18,284	+4.2
Food and kindred products	795	855	834	-7.0	+2.5	+1.7	696	815	1,020	701	-0.7
Tobacco products	4,703	4,680	4,681	+0.5	0.0	+0.8	4,877	4,664	4,757	4,595	+6.1
Textile mill products	6,606	6,565	6,582	+0.6	-0.3	-0.1	6,759	6,693	6,696	6,589	+2.6
Paper and allied products	22,025	21,964	21,961	+0.3	0.0	+1.1	22,471	22,464	22,531	20,949	+7.3
Chemicals and allied products	5,431	5,214	5,196	+4.2	+0.3	-2.3	5,420	5,013	5,017	5,995	-9.6
Petroleum and coal products	7,716	7,712	7,814	+0.1	-1.3	-0.8	7,949	8,023	8,101	7,916	+0.4
Rubber and plastics products	12,071	12,220	12,065	-1.2	+1.3	+0.5	12,158	12,010	11,689	11,700	+3.9
Apparel, printing and publishing	12,071	12,220	12,065	-1.2	+1.3	+0.5	12,158	12,010	11,689	11,700	+3.9
and leather goods											

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

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

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio ¹			
	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Jan. 1998	Apr. 1998 ^p	Mar. 1998 ^r	Feb. 1998	Jan. 1998
All manufacturing industries	1.37	1.35	1.36	1.36	2.81	2.77	2.82	2.88
Durable goods industries	1.55	1.51	1.53	1.56	3.33	3.28	3.34	3.44
Stone, clay, and glass products	1.10	1.11	1.11	1.12	0.84	0.84	0.84	0.86
Primary metals	1.62	1.60	1.60	1.63	2.17	2.16	2.18	2.20
Fabricated metal products	1.53	1.50	1.48	1.52	1.49	1.44	1.45	1.51
Industrial machinery and equipment	1.67	1.67	1.70	1.70	2.12	2.13	2.15	2.17
Electronic and other electrical equipment	1.36	1.34	1.33	1.38	1.92	1.83	1.82	1.91
Transportation equipment	1.58	1.51	1.55	1.60	10.83	10.56	11.00	11.35
Instruments and related products	1.88	1.85	1.85	1.88	3.55	3.52	3.57	3.67
Nondurable goods industries	1.14	1.14	1.14	1.13	0.67	0.67	0.68	0.68
Food and kindred products	0.87	0.87	0.87	0.86	(X)	(X)	(X)	(X)
Tobacco products	1.80	1.86	1.78	1.92	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.53	1.51	1.45	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.17	1.18	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.42	1.40	1.41	1.38	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.84	0.86	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.30	1.31	1.32	(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		
	Apr. ¹ 1998	Apr. ² 1993-1997	Apr. 1997-Mar. 1998	Apr. ¹ 1998	Apr. ² 1993-1997	Apr. 1997-Mar. 1998	Apr. ¹ 1998	Apr. ² 1993-1997	Apr. 1997-Mar. 1998	Apr. ¹ 1998	Apr. ² 1993-1997	Apr. 1997-Mar. 1998
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	-0.4	0.2	0.2	-0.4	0.4	0.3	0.0	0.0	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.7	0.3	(X)	1.0	0.9	(X)	0.5	0.8	(X)	0.2	0.2
Primary metals	-0.1	0.5	0.2	0.3	1.7	0.6	0.2	0.5	0.3	(X)	0.3	0.0
Fabricated metal products	(X)	0.2	0.2	(X)	0.3	0.5	(X)	0.1	0.3	(X)	0.1	0.1
Industrial machinery and equipment	-0.3	0.5	0.4	-0.1	0.7	0.6	0.2	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.2	0.2	0.5	-0.3	0.6	1.0	-0.1	0.4	0.4	(X)	0.1	0.1
Transportation equipment	-1.0	0.2	0.5	-1.7	0.5	0.8	-0.1	0.1	0.1	(X)	0.1	0.3
Instruments and related products	(X)	0.2	0.5	(X)	1.4	1.3	(X)	0.3	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.3	0.3	(X)	0.1	0.0
Food and kindred products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Tobacco products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.3	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
Chemicals and allied products	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.3
Rubber and plastics products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	-1.2	0.4	0.4	-0.2	0.5	0.6	0.2	0.1	0.1	(X)	0.1	0.2
Defense	0.8	0.3	0.9	-11.9	2.1	2.2	-0.6	0.1	0.2	(X)	0.1	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.

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

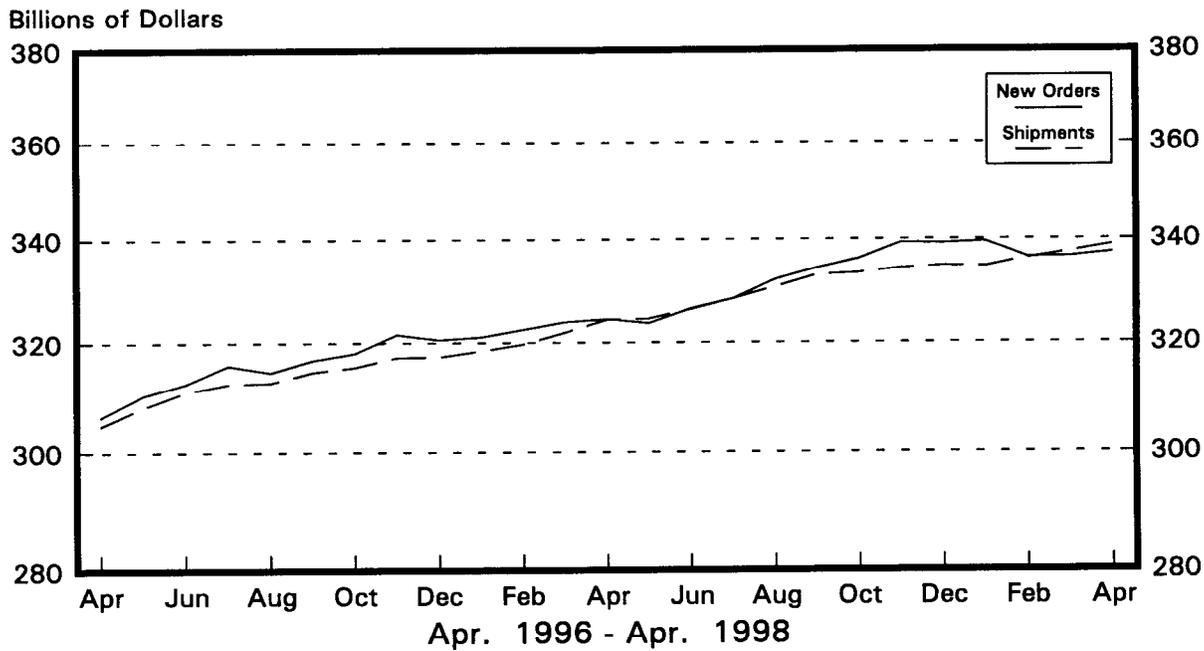
² Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

Total Manufacturing

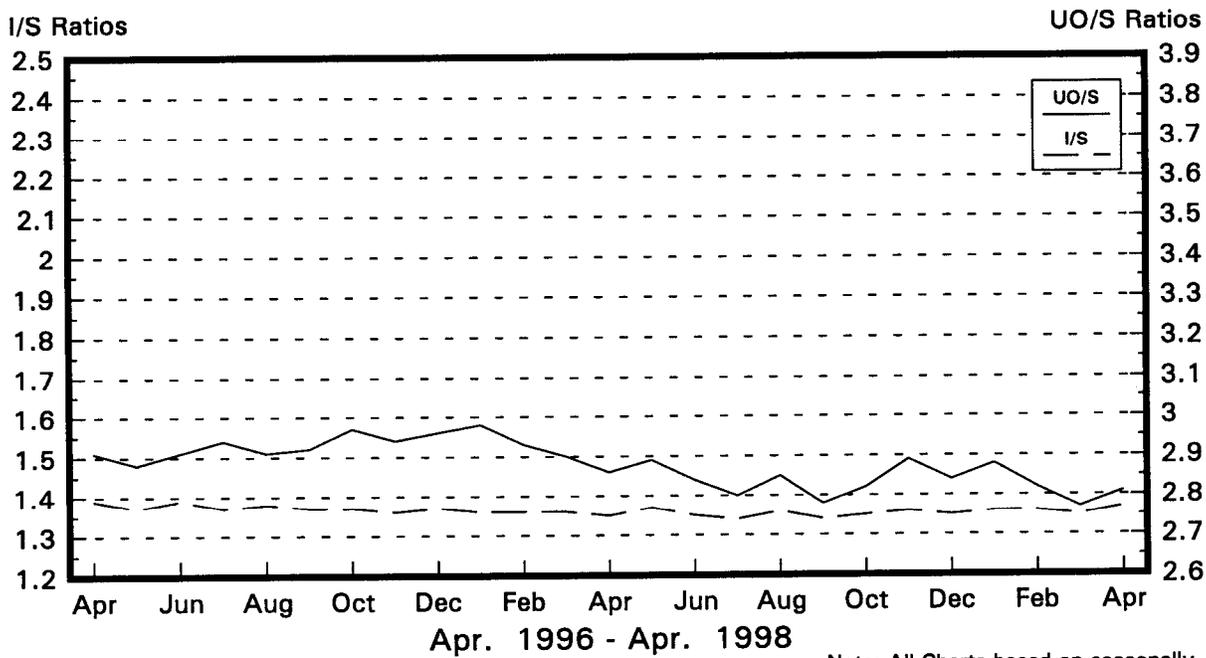
New Orders and Shipments

Three Month Moving Averages



Total Manufacturing

Ratio of Unfilled Orders and Inventories to Shipments

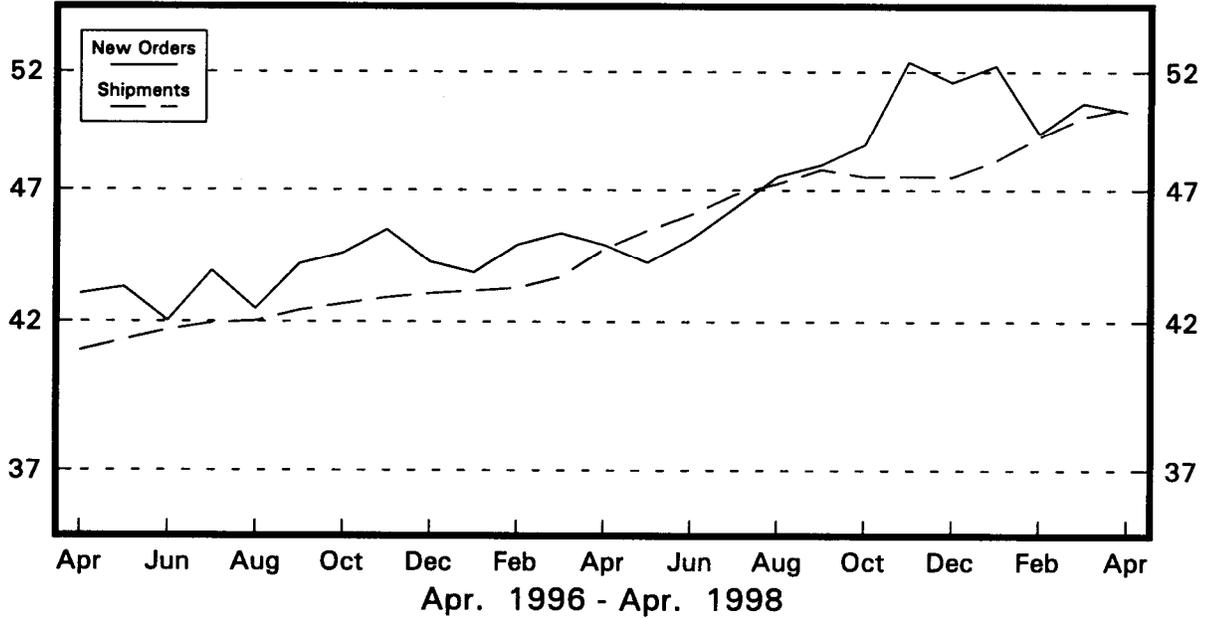


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages

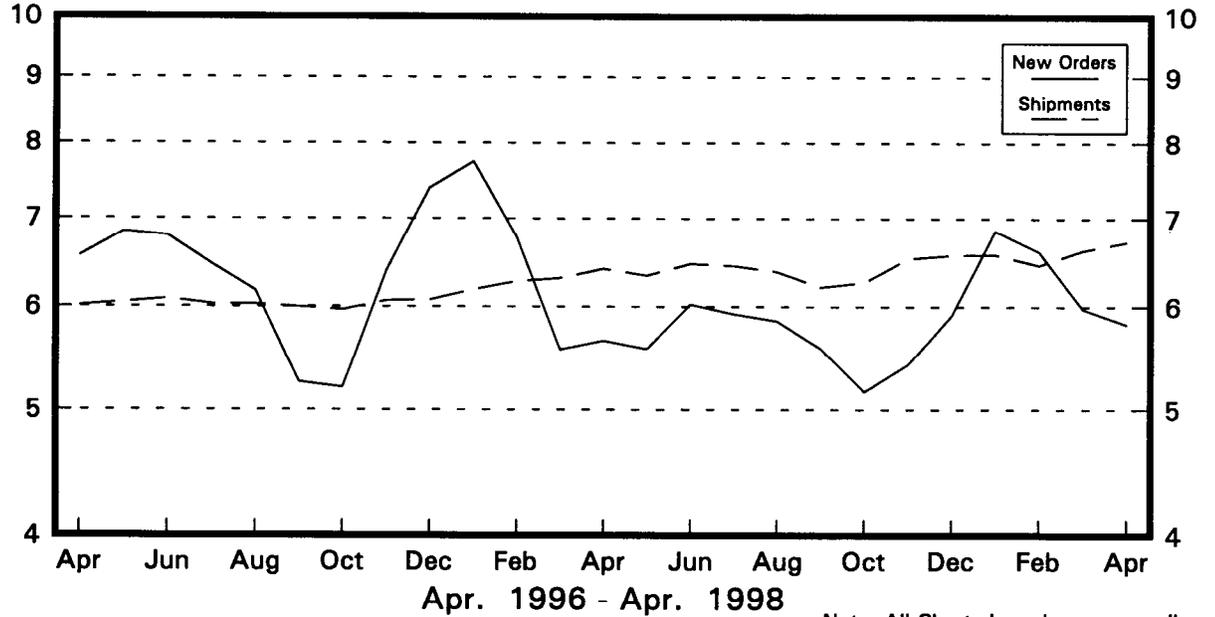
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.