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Economics and Statistics Administration
BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

February 1999

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February decreased \$8.8 billion or 2.5 percent to \$340.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.5 percent January increase and is the first decrease since October. This is the largest decline since the 2.6 percent decrease in April 1995. Excluding transportation, new orders decreased 0.4 percent. Year-to-date, new orders are 2.8 percent above the same period a year ago.

Shipments increased \$0.9 billion or 0.3 percent to \$342.6 billion, following a 0.7 percent January decrease. This is the seventh increase in the last nine months. Year-to-date, shipments are 2.5 percent above the same period a year ago.

Unfilled orders, down five of the last six months, decreased \$2.1 billion or 0.4 percent to \$524.6 billion. This follows a 1.5 percent January increase. The unfilled orders-to-shipments ratio was 2.67, unchanged from January.

Inventories increased \$0.2 billion to \$465.1 billion. This is the first increase since October. The inventories-to-shipments ratio was 1.36, unchanged from January.

New Orders

New orders for manufactured durable goods in February decreased \$9.9 billion or 4.9 percent to \$191.8 billion, revised from the previously published 5.0 percent decrease. This follows a 3.1 percent January increase and is the first decrease since October.

Transportation equipment, down for the first month since October, had the largest decrease, \$7.5 billion or 14.4 percent to \$44.9 billion; all component industries decreased, led by aircraft and parts. This follows a 13.5 percent January increase. Electronic and other electrical equipment decreased \$3.0 billion or 8.6 percent to \$31.9 billion. The decrease was mostly due to electronic components. This follows a 3.1 percent January increase. Primary metals increased \$1.0 billion or 7.0 percent to \$14.6 billion. This follows a 3.0 percent January decrease.

New orders for nondurable goods increased \$1.1 billion or 0.7 percent to \$148.7 billion. This follows a 0.5 percent January decrease and is the third increase in the last four months. Chemicals and allied products had the largest increase.

Shipments

Shipments of durable goods in February decreased \$0.1 billion or 0.1 percent to \$194.0 billion, unrevised from the previously published 0.1 percent decrease. This is the second consecutive decrease following seven consecutive increases.

Electronic and other electrical equipment had the largest decrease, \$0.7 billion or 2.2 percent to \$32.1 billion. This follows a 0.5 percent January decrease. Industrial machinery and equipment increased \$0.2 billion or 0.7 percent to \$36.8 billion, following a 1.0 percent January decrease. Stone, clay, and glass products, up thirteen of the last fifteen months, increased \$0.2 billion or 2.9 percent to \$8.5 billion. This follows a 1.2 percent January decrease.

Shipments of nondurable goods, up three of the last four months, increased \$1.1 billion or 0.7 percent to \$148.6 billion. This follows a 0.8 percent January decrease. Chemicals and allied products, up three of the last four months, increased \$0.9 billion or 2.7 percent to \$33.2 billion, following a 3.8 percent January decline.

Unfilled Orders

Unfilled orders for durable goods in February decreased \$2.2 billion or 0.4 percent to \$500.6 billion, unrevised from the previously published 0.4 percent decrease. This follows a 1.5 percent January increase and is the fourth decrease in the last six months. Transportation equipment, down five of the last six months, had the largest decrease, \$2.3 billion or 0.9 percent to \$246.1 billion. This follows a 2.1 percent January increase. Instruments and related products, down eleven of the last thirteen months, decreased \$0.3 billion or 0.7 percent to \$47.0 billion. This follows a 0.3 percent January increase. Primary metals increased \$0.4 billion or 1.3 percent to \$29.3 billion, following a 2.2 percent January decrease.

Inventories

Inventories of durable goods in February increased \$1.0 billion or 0.3 percent to \$294.6 billion, following a 0.6 percent January decrease. This is the first increase since October. Transportation equipment, up for the first month since October, increased \$0.6 billion or 0.8 percent to \$74.4 billion, following a 2.4 percent January decrease. Electronic and other electrical equipment, up for the first month since October, increased \$0.5 billion or 1.3 percent to \$40.1 billion, following a 0.5 percent January decline. Primary metals, down for the fifth consecutive month, decreased \$0.2 billion or 0.8 percent to \$24.3 billion, following a 1.0 percent January decline.

Inventories of nondurable goods, down three consecutive months, decreased \$0.8 billion or 0.5 percent to \$170.5 billion, following a 0.1 percent January decrease. Petroleum and coal products, down three consecutive months, decreased \$0.2 billion or 2.1 percent to \$10.0 billion, following a 0.1 percent January decrease.

By stage of fabrication, February finished goods increased 0.3 percent in durables and decreased 0.8 percent in nondurables. Work in process increased 0.1 percent in durables and 0.4 percent in nondurables. Materials and supplies increased 0.7 percent in durables and decreased 0.5 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

NOTE: The December shipments and new orders data have been revised for petroleum and coal products, total nondurable goods, total manufacturing, and the market categories.

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	
	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Feb. 1998		Feb. 99/98	1999 ^p
All manufacturing industries	342,611	341,670	344,247	+0.3	-0.7	+0.8	340,152	307,582	342,295	333,973	+1.9	647,734	632,678
Manufacturing Industries													
with unfilled orders	196,409	197,075	198,572	-0.3	-0.8	0.0	193,780	173,561	204,497	191,043	+1.4	367,341	357,756
without defense capital goods	335,890	334,930	337,705	+0.3	-0.8	+1.0	333,426	302,088	334,709	327,361	+1.9	635,514	620,821
Durable goods industries	193,975	194,091	195,531	-0.1	-0.7	+0.4	194,582	170,448	198,280	188,429	+3.3	365,030	348,366
With unfilled orders	159,355	159,916	161,454	-0.4	-1.0	-0.1	157,533	139,260	167,916	154,211	+2.2	296,793	285,942
Stone, clay, and glass products	8,456	8,220	8,317	+2.9	-1.2	+1.0	7,972	7,119	7,402	7,262	+9.8	15,091	13,936
Primary metals	14,232	14,312	14,222	-0.6	+0.6	-0.4	14,649	13,586	12,997	16,331	-10.3	28,235	31,331
Blast furnaces, steel mills	5,546	5,396	5,359	+2.8	+0.7	-3.5	5,772	5,236	4,900	6,764	-14.7	11,008	13,103
Iron and steel foundries	1,524	1,525	1,569	-0.1	-2.8	+3.6	1,592	1,397	1,323	1,649	-3.5	2,989	2,998
Nonferrous and other primary metals	7,162	7,391	7,294	-3.1	+1.3	+1.0	7,285	6,953	6,774	7,918	-8.0	14,238	15,230
Fabricated metal products	20,403	20,520	20,523	-0.6	0.0	+0.5	20,599	18,557	19,152	19,980	+3.1	39,156	37,292
Industrial machinery and equipment	36,758	36,513	36,880	+0.7	-1.0	+0.7	35,629	30,345	40,163	35,503	+0.4	65,974	65,757
Engines and turbines	2,347	2,302	2,332	+2.0	-1.3	-3.4	2,303	1,894	2,900	2,118	+8.7	4,197	3,805
Farm and garden machinery	1,928	1,931	1,761	-0.2	+9.7	+4.9	2,279	1,733	1,270	2,391	-4.7	4,012	4,235
Construction, mining and material handling equipment	3,951	3,943	3,992	+0.2	-1.2	-1.1	4,102	3,481	3,849	4,335	-5.4	7,583	8,009
Metalworking machinery	3,564	3,512	3,500	+1.5	+0.3	-5.5	3,383	2,694	3,673	3,263	+3.7	6,077	5,945
Computer and office equipment	11,225	10,971	11,022	+2.3	-0.5	-0.4	9,721	8,033	14,670	8,933	+8.8	17,754	16,431
Electronic and other electrical equipment	32,094	32,830	33,006	-2.2	-0.5	+1.1	31,027	27,811	36,962	30,112	+3.0	58,838	55,063
Electrical transmission and distribution equipment and industrial apparatus	3,607	3,627	3,810	-0.6	-4.8	+5.7	3,690	3,176	3,808	3,832	-3.7	6,866	6,979
Household appliances	2,402	2,256	2,240	+6.5	+0.7	+4.2	2,343	1,825	2,204	1,988	+17.9	4,168	3,638
Electric lighting and wiring equipment	2,219	2,242	2,434	-1.0	-7.9	+7.8	2,276	1,966	2,622	2,285	-0.4	4,242	4,243
Household audio and video equipment	1,093	1,155	1,124	-5.4	+2.8	+10.5	996	930	1,123	948	+5.1	1,926	1,758
Communications equipment	7,616	8,071	7,621	-5.6	+5.9	+1.2	6,881	6,134	10,708	6,457	+6.6	13,015	11,399
Electronic components	12,992	13,310	13,539	-2.4	-1.7	-1.0	12,744	11,993	14,293	12,509	+1.9	24,737	23,190
Transportation equipment	47,151	47,236	47,908	-0.2	-1.4	-0.9	50,387	42,646	46,660	46,542	+8.3	93,033	83,420
Motor vehicles and parts	31,838	31,970	32,169	-0.4	-0.6	+1.9	35,619	30,104	28,329	33,024	+7.9	65,723	59,124
Aircraft, missiles, space vehicles, and parts	11,988	12,255	12,043	-2.2	+1.8	-8.9	11,457	10,070	14,685	10,640	+7.7	21,527	19,227
Shipbuilding and tanks	1,027	1,044	914	-1.6	+14.2	-28.8	1,018	786	1,090	852	+19.5	1,804	1,459
Instruments and related products	14,094	14,011	14,371	+0.6	-2.5	-1.0	13,926	12,284	15,423	13,908	+0.1	26,210	26,089
Search and navigation equipment	3,154	3,169	3,254	-0.5	-2.6	-1.3	3,200	2,728	3,508	3,061	+4.5	5,928	5,618
Measuring and controlling devices	4,186	4,077	3,992	+2.7	+2.1	-5.6	4,195	3,633	4,228	4,228	-0.8	7,828	7,929
Medical instruments and supplies	4,648	4,526	4,792	+2.7	-5.6	+5.2	4,594	4,041	5,328	4,373	+5.1	8,635	8,360
Photographic goods	1,649	1,786	1,872	-7.7	-4.6	-4.3	1,511	1,479	1,909	1,827	-17.3	2,990	3,360
All other durable goods	20,787	20,449	20,309	+1.7	+0.7	+2.6	20,393	18,100	19,521	18,791	+8.5	38,493	35,478
Nondurable goods industries	148,636	147,579	148,716	+0.7	-0.8	+1.4	145,570	137,134	144,015	145,544	0.0	282,704	284,312
With unfilled orders	37,054	37,159	37,118	-0.3	+0.1	+0.3	36,247	34,301	36,581	36,832	-1.6	70,548	71,814
Food and kindred products	41,287	41,319	41,585	-0.1	-0.6	+0.5	40,141	38,810	40,952	39,466	+1.7	78,951	77,629
Meat products	8,588	8,602	8,572	-0.2	+0.3	-1.4	8,371	8,069	8,391	8,443	-0.9	16,440	16,483
Dairy products	6,606	6,640	6,944	-0.5	-4.4	+2.8	6,440	6,508	6,868	5,857	+10.0	12,948	11,492
Beverages	6,269	6,247	6,151	+0.4	+1.6	+2.0	5,655	5,396	5,753	5,519	+2.5	11,051	10,803
All other foods, except fats and oils	17,864	17,903	17,762	-0.2	+0.8	-0.1	17,715	16,910	17,784	17,482	+1.3	34,625	34,601
Tobacco products	4,063	4,017	3,817	+1.1	+5.2	+12.3	4,101	3,820	3,912	3,480	+17.8	7,921	6,403
Textile mill products	6,418	6,581	6,472	-2.5	+1.7	-0.4	6,240	5,769	5,825	6,791	-8.1	12,009	13,074
Broadwoven fabrics and other textiles	3,706	3,851	3,810	-3.8	+1.1	-1.1	3,671	3,481	3,561	4,242	-13.5	7,152	8,143
Paper and allied products	13,657	13,443	13,669	+1.6	-1.7	+1.3	13,703	12,931	13,287	13,906	-1.5	26,634	27,482
Pulp, paper, and paperboard mill products	5,201	5,177	5,061	+0.5	+2.3	+0.2	5,230	4,983	4,973	5,562	-6.0	10,213	10,940
Paperboard containers and boxes	3,409	3,401	3,593	+0.2	-5.3	+2.5	3,394	3,275	3,361	3,531	-3.9	6,669	7,024
Miscellaneous converted paper products	5,047	4,865	5,015	+3.7	-3.0	+1.6	5,079	4,673	4,953	4,813	+5.5	9,752	9,518
Chemicals and allied products	33,168	32,305	33,581	+2.7	-3.8	+3.2	32,627	30,801	33,291	32,013	+1.9	63,428	63,339
Industrial chemicals	14,706	14,688	14,817	+0.1	-0.9	+2.6	14,975	14,104	14,189	15,706	-4.7	29,079	30,850
Drugs, soaps, and toiletries	14,607	13,914	14,791	+5.0	-5.9	+3.4	13,829	13,458	15,814	12,416	+11.4	27,287	25,149
Petroleum and coal products	11,166	11,037	11,060	+1.2	-0.2	+0.2	10,145	9,819	10,673	11,807	-14.1	19,964	23,751
Rubber and plastics products	13,659	13,207	13,400	+3.4	-1.4	+1.4	13,862	12,207	12,007	13,334	+4.0	26,069	25,505
All other nondurable goods	25,218	25,670	25,132	-1.8	+2.1	+0.4	24,751	22,977	24,068	24,747	0.0	47,728	47,129

^p Preliminary. ^r Revised.

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	
	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Feb. 1998		Feb. 99/98	1999 ^p
All manufacturing industries	340,493	349,311	343,982	-2.5	+1.5	+2.4	338,009	325,593	340,465	333,699	+1.3	663,602	644,625
Manufacturing industries with unfilled orders	194,291	204,716	198,307	-5.1	+3.2	+2.7	191,637	191,572	202,667	190,769	+0.5	383,209	369,703
without defense capital goods	335,534	341,293	336,533	-1.7	+1.4	+1.9	333,614	317,049	330,127	328,041	+1.7	650,663	631,739
Durable goods industries	191,794	201,708	195,574	-4.9	+3.1	+3.4	192,508	188,008	196,922	188,167	+2.3	380,516	360,305
With unfilled orders	157,174	167,533	161,497	-6.2	+3.7	+3.5	155,459	156,820	166,558	153,949	+1.0	312,279	297,881
Stone, clay, and glass products	8,437	8,248	8,289	+2.3	-0.5	+1.1	8,008	7,282	7,405	7,283	+10.0	15,290	14,135
Primary metals	14,615	13,660	14,087	+7.0	-3.0	-3.4	15,960	13,954	13,768	17,460	-8.6	29,914	33,453
Blast furnaces, steel mills	5,903	4,957	5,331	+19.1	-7.0	-4.3	6,606	5,377	5,268	7,360	-10.2	11,983	14,230
Iron and steel foundries	1,482	1,504	1,433	-1.5	+5.0	-8.6	1,671	1,495	1,293	1,905	-12.3	3,166	3,383
Nonferrous and other primary metals	7,230	7,199	7,323	+0.4	-1.7	-1.7	7,683	7,082	7,207	8,195	-6.2	14,765	15,840
Fabricated metal products	20,364	20,735	20,460	-1.8	+1.3	+1.1	20,697	19,120	19,079	20,084	+3.1	39,817	37,846
Industrial machinery and equipment	36,927	37,164	38,246	-0.6	-2.8	+7.5	36,049	31,857	40,982	36,109	-0.2	67,906	67,210
Engines and turbines	2,864	2,713	3,756	+5.6	-27.8	+62.7	2,518	2,156	4,202	1,898	+32.7	4,674	3,531
Construction, mining and material handling equipment	3,877	3,918	4,082	-1.0	-4.0	+6.9	4,254	3,771	4,072	4,823	-11.8	8,025	8,935
Metalworking machinery	3,692	3,629	3,188	+1.7	+13.8	-10.6	3,511	2,811	3,361	3,401	+3.2	6,322	6,107
Computer and office equipment	10,929	10,993	11,558	-0.6	-4.9	+5.6	9,557	8,021	14,761	9,117	+4.8	17,578	16,570
Electronic and other electrical equipment	31,879	34,895	33,859	-8.6	+3.1	+6.0	29,965	34,752	34,946	29,795	+0.6	64,717	59,583
Electrical transmission and distribution equipment and industrial apparatus	3,619	3,527	3,803	+2.6	-7.3	+7.6	3,830	3,247	3,740	3,996	-4.2	7,077	7,171
Electric lighting and wiring equipment	2,212	2,344	2,537	-5.6	-7.6	+16.9	2,269	2,068	2,725	2,513	-9.7	4,337	4,488
Communications equipment	8,114	8,224	7,364	-1.3	+11.7	+0.7	7,385	6,254	10,472	6,890	+7.2	13,639	13,034
Electronic components	12,450	15,211	14,415	-18.2	+5.5	+9.7	11,226	18,008	12,526	11,253	-0.2	29,234	25,076
Transportation equipment	44,877	52,396	46,166	-14.4	+13.5	+2.5	47,554	50,028	46,056	44,939	+5.8	97,582	86,241
Aircraft, missiles, space vehicles, and parts	10,776	15,535	7,848	-30.6	+97.9	-21.2	9,631	15,041	11,637	9,065	+6.2	24,672	21,601
Shipbuilding and tanks	445	2,014	2,351	-77.9	-14.3	211.8	424	1,809	2,420	674	-37.1	2,233	1,423
Instruments and related products	13,753	14,153	14,113	-2.8	+0.3	+1.4	13,688	12,806	15,629	13,951	-1.9	26,494	26,366
Search and navigation equipment	2,792	3,055	2,926	-8.6	+4.4	+0.8	2,877	2,728	3,857	3,014	-4.5	5,605	5,407
Measuring and controlling devices	4,295	4,200	4,082	+2.3	+2.9	-0.7	4,304	3,756	4,318	4,090	+5.2	8,060	7,961
Medical instruments and supplies	4,563	4,665	4,770	-2.2	-2.2	+8.2	4,484	4,473	5,067	4,558	-1.6	8,957	8,821
All other durable goods	20,942	20,457	20,357	+2.4	+0.5	+3.3	20,587	18,209	19,057	18,546	+11.0	38,796	35,471
Nondurable goods industries	148,699	147,603	148,408	+0.7	-0.5	+1.1	145,501	137,585	143,543	145,532	0.0	283,086	284,320
With unfilled orders	37,117	37,183	36,810	-0.2	+1.0	-0.9	36,178	34,752	36,109	36,820	-1.7	70,930	71,822

^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' UNFULFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Feb. 99/98
	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998	Jan.- Feb.	Dec.- Jan.	Nov.- Dec.	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998	Feb. 1998	
All manufacturing industries	524,559	526,677	519,038	-0.4	+1.5	-0.1	528,854	530,997	512,986	543,505	-2.7
Manufacturing industries without defense capital goods	429,096	429,452	423,091	-0.1	+1.5	-0.3	432,422	432,234	417,273	440,260	-1.8
Durable goods industries	500,606	502,787	495,172	-0.4	+1.5	0.0	505,526	507,600	490,040	518,273	-2.5
Stone, clay, and glass products	6,230	6,249	6,221	-0.3	+0.5	-0.4	6,270	6,234	6,071	6,375	-1.6
Primary metals	29,285	28,902	29,554	+1.3	-2.2	-0.5	30,526	29,215	28,847	36,460	-16.3
Blast furnaces, steel mills	11,348	10,991	11,430	+3.2	-3.8	-0.2	12,010	11,176	11,035	15,485	-22.4
Iron and steel foundries	5,395	5,437	5,458	-0.8	-0.4	-2.4	5,529	5,450	5,352	5,861	-5.7
Nonferrous and other primary metals	12,542	12,474	12,666	+0.5	-1.5	+0.2	12,987	12,589	12,460	15,114	-14.1
Fabricated metal products	26,070	26,109	25,894	-0.1	+0.8	-0.2	26,095	25,997	25,434	26,904	-3.0
Industrial machinery and equipment	75,278	75,109	74,458	+0.2	+0.9	+1.9	76,373	75,953	74,441	74,878	+2.0
Engines and turbines	19,010	18,493	18,082	+2.8	+2.3	+8.5	19,202	18,987	18,725	12,260	+56.6
Construction, mining and material handling equipment	9,741	9,815	9,840	-0.8	-0.3	+0.9	10,075	9,923	9,633	11,292	-10.8
Metalworking machinery	6,691	6,563	6,446	+2.0	+1.8	-4.6	6,691	6,563	6,446	7,311	-8.5
Computer and office equipment	7,888	8,184	8,162	-3.6	+0.3	+7.0	7,765	7,929	7,941	7,771	-0.1
Electronic and other electrical equipment	62,380	62,595	60,530	-0.3	+3.4	+1.4	63,685	64,747	57,806	57,826	+10.1
Electrical transmission and distribution equipment and industrial apparatus	6,271	6,259	6,359	+0.2	-1.6	-0.1	6,392	6,252	6,181	6,710	-4.7
Electric lighting and wiring equipment	5,117	5,124	5,022	-0.1	+2.0	+2.1	5,117	5,124	5,022	5,172	-1.1
Communications equipment	17,684	17,186	17,033	+2.9	+0.9	-1.5	17,681	17,177	17,057	15,966	+10.7
Electronic components	27,217	27,759	25,858	-2.0	+7.4	+3.5	28,152	29,670	23,655	23,426	+20.2
Transportation equipment	246,091	248,365	243,205	-0.9	+2.1	-0.7	247,133	249,966	242,584	257,338	-4.0
Aircraft, missiles, space vehicles, and parts	206,502	207,714	204,434	-0.6	+1.6	-2.0	207,153	208,979	204,008	220,494	-6.1
Shipbuilding and tanks	19,761	20,343	19,373	-2.9	+5.0	+8.0	19,751	20,345	19,322	18,394	+7.4
Instruments and related products	46,950	47,291	47,149	-0.7	+0.3	-0.5	47,469	47,707	47,185	50,406	-5.8
Search and navigation equipment	25,784	26,146	26,260	-1.4	-0.4	-1.2	26,105	26,428	26,428	29,032	-10.1
Measuring and controlling devices	10,417	10,308	10,185	+1.1	+1.2	+0.9	10,417	10,308	10,185	10,885	-4.3
Medical instruments and supplies	9,729	9,814	9,675	-0.9	+1.4	-0.2	9,908	10,018	9,586	8,885	+11.5
All other durable goods	8,322	8,167	8,159	+1.9	+0.1	+0.6	7,975	7,781	7,672	8,086	-1.4
Nondurable goods industries	23,953	23,890	23,866	+0.3	+0.1	-1.3	23,328	23,397	22,946	25,232	-7.5

^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 Feb. 99/98
	Feb. 1999 ^F	Jan. 1999 ^F	Dec. 1998	Jan.- Feb.	Dec.- Jan.	Nov.- Dec.	Feb. 1999 ^F	Jan. 1999 ^F	Dec. 1998	Feb. 1998	
All manufacturing industries	465,084	464,873	466,798	0.0	-0.4	-0.9	467,362	462,588	456,330	464,331	+0.7
Manufacturing industries with unfilled orders	311,458	310,790	312,714	+0.2	-0.6	-0.9	311,801	307,625	303,508	308,519	+1.1
without defense capital goods	446,222	446,291	446,980	0.0	-0.2	-1.1	448,644	444,384	437,311	446,454	+0.5
Durable goods industries	294,554	293,563	295,344	+0.3	-0.6	-0.9	296,152	291,608	287,415	292,368	+1.3
With unfilled orders	270,484	269,448	271,246	+0.4	-0.7	-1.0	271,129	266,947	263,500	268,021	+1.2
Stone, clay, and glass products	9,278	9,381	9,331	-1.1	+0.5	+0.1	9,515	9,402	9,103	9,328	+2.0
Primary metals	24,254	24,438	24,679	-0.8	-1.0	-0.6	24,270	24,525	24,797	24,472	-0.8
Blast furnaces, steel mills	11,803	11,924	12,057	-1.0	-1.1	-1.0	11,783	12,085	12,319	11,813	-0.3
Iron and steel foundries	1,633	1,614	1,580	+1.2	+2.2	+0.1	1,661	1,598	1,541	1,575	+5.5
Nonferrous and other primary metals	10,818	10,900	11,042	-0.8	-1.3	-0.2	10,826	10,842	10,937	11,084	-2.3
Fabricated metal products	30,865	30,920	30,855	-0.2	+0.2	-0.9	30,917	30,741	30,278	30,191	+2.4
Industrial machinery and equipment	60,676	60,658	60,532	0.0	+0.2	-0.7	61,642	60,256	58,415	62,062	-0.7
Engines and turbines	4,100	4,097	3,871	+0.1	+5.8	-4.3	4,120	3,961	3,583	4,433	-7.1
Farm and garden machinery	3,749	3,770	3,867	-0.6	-2.5	-0.6	4,176	4,136	4,062	4,103	+1.8
Construction, mining and material handling equipment	9,118	9,099	9,048	+0.2	+0.6	+0.3	9,255	9,110	8,826	8,454	+9.5
Metalworking machinery	7,943	7,980	7,929	-0.5	+0.6	+1.5	7,869	7,774	7,443	7,316	+7.6
Computer and office equipment	9,130	9,045	9,064	+0.9	-0.2	-0.3	9,375	8,714	8,343	10,614	-11.7
Electronic and other electrical equipment	40,084	39,581	39,786	+1.3	-0.5	-1.3	40,143	39,036	38,377	41,318	-2.8
Electrical transmission and distribution equipment and industrial apparatus	5,400	5,423	5,535	-0.4	-2.0	+2.8	5,449	5,421	5,421	5,682	-4.1
Household appliances	2,396	2,403	2,404	-0.3	0.0	-1.4	2,485	2,351	2,163	2,422	+2.6
Electric lighting and wiring equipment	3,468	3,448	3,460	+0.6	-0.3	-1.4	3,457	3,371	3,274	3,393	+1.9
Household audio and video equipment	1,008	1,022	1,028	-1.4	-0.6	-5.2	980	986	952	936	+4.7
Communications equipment	9,651	9,484	9,785	+1.8	-3.1	-3.3	9,689	9,376	9,420	10,853	-10.7
Electronic components	14,455	14,045	13,914	+2.9	+0.9	-1.5	14,441	13,874	13,674	14,549	-0.7
Transportation equipment	74,433	73,852	75,701	+0.8	-2.4	-1.0	74,520	73,252	73,157	71,393	+4.4
Motor vehicles and parts	16,948	17,101	17,419	-0.9	-1.8	+1.0	17,025	17,090	16,893	16,375	+4.0
Aircraft, missiles, space vehicles, and parts	51,579	50,955	52,656	+1.2	-3.2	-1.7	51,532	50,362	50,776	49,437	+4.2
Shipbuilding and tanks	1,885	1,858	1,942	+1.5	-4.3	+9.8	1,917	1,885	1,920	1,672	+14.7
Instruments and related products	26,715	26,443	26,515	+1.0	-0.3	-0.6	26,547	25,831	25,683	25,946	+2.3
Search and navigation equipment	6,713	6,569	6,573	+2.2	-0.1	-1.9	6,658	6,378	6,391	6,491	+2.6
Measuring and controlling devices	7,978	7,979	8,079	0.0	-1.2	+1.1	7,952	7,857	7,855	8,093	-1.7
Medical instruments and supplies	8,578	8,455	8,441	+1.5	+0.2	-1.7	8,540	8,328	8,244	8,170	+4.5
Photographic goods	2,697	2,695	2,678	+0.1	+0.6	+0.6	2,652	2,534	2,534	2,513	+5.5
All other durable goods	28,249	28,290	27,945	-0.1	+1.2	-1.2	28,598	28,565	27,605	27,658	+3.4
Nondurable goods industries	170,530	171,310	171,454	-0.5	-0.1	-0.9	171,210	170,980	168,915	171,963	-0.4
With unfilled orders	40,974	41,342	41,468	-0.9	-0.3	-0.2	40,672	40,678	40,008	40,498	+0.4
Food and kindred products	37,716	37,658	37,299	+0.2	+1.0	+0.1	37,873	38,016	37,488	37,807	+0.2
Meat products	4,092	4,095	4,078	-0.1	+0.4	+0.8	4,179	4,056	3,837	4,207	-0.7
Dairy products	4,013	3,914	3,746	+2.5	+4.5	-1.5	3,957	3,859	3,527	3,813	+3.8
Beverages	8,537	8,414	8,347	+1.5	+0.8	+0.2	8,564	8,401	8,270	8,010	+6.9
All other foods, except fats and oils	19,262	19,391	19,254	-0.7	+0.7	+0.4	19,260	19,750	19,943	19,620	-1.8
Tobacco products	5,603	5,682	5,867	-1.4	-3.2	-1.2	6,027	6,193	6,297	6,333	-4.8
Textile mill products	10,021	10,078	10,180	-0.6	-1.0	-0.1	10,125	10,066	9,756	10,347	-2.1
Broadwoven fabrics and other textiles	6,248	6,300	6,348	-0.8	-0.8	-0.2	6,339	6,346	6,134	6,478	-2.1
Paper and allied products	16,072	16,180	16,362	-0.7	-1.1	-0.7	16,189	16,229	16,254	16,500	-1.9
Pulp, paper, and paperboard mill products	6,602	6,618	6,711	-0.2	-1.4	-0.5	6,699	6,668	6,680	6,655	+0.7
Paperboard containers and boxes	3,934	3,985	4,067	-1.3	-2.0	-2.7	3,968	3,994	4,070	4,225	-6.1
Miscellaneous converted paper products	5,536	5,577	5,584	-0.7	-0.1	+0.5	5,522	5,567	5,504	5,620	-1.7
Chemicals and allied products	46,462	46,425	46,217	+0.1	+0.5	-1.4	46,978	46,214	45,696	45,846	+2.5
Industrial chemicals	19,387	19,546	19,802	-0.8	-1.3	-0.4	19,623	19,699	19,910	20,651	-5.0
Drugs, soaps, and toiletries	21,283	21,039	20,634	+1.2	+2.0	-2.9	21,120	20,357	20,000	19,372	+9.0
Petroleum and coal products	10,030	10,245	10,254	-2.1	-0.1	-6.5	9,771	10,000	9,863	11,186	-12.6
Rubber and plastics products	16,651	16,780	16,766	-0.8	+0.1	-0.5	17,009	16,956	16,597	16,977	+0.2
All other nondurable goods	27,975	28,262	28,509	-1.0	-0.9	+0.2	27,238	27,306	26,964	26,967	+1.0

^F 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 Feb. 99/98	Year to date	
	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Feb. 1998		1999 ^p	1998 ^r
SHIPMENTS													
All manufacturing industries	342,611	341,670	344,247	+0.3	-0.7	+0.8	340,152	307,582	342,295	333,973	+1.9	647,734	632,678
Market categories :													
Automotive equipment	15,665	15,564	15,588	+0.6	-0.2	+2.4	17,236	14,335	13,775	15,663	+10.0	31,571	28,114
Home goods and apparel	19,655	19,772	19,303	-0.6	+2.4	+3.3	19,669	16,773	17,296	18,984	+3.6	36,442	35,044
Consumer staples	70,427	69,657	70,525	+1.1	-1.2	+1.7	67,757	65,376	71,044	66,037	+2.6	133,133	130,387
Machinery and equipment	65,785	65,946	67,287	-0.2	-2.0	+0.7	64,212	55,293	74,549	61,903	+3.7	119,505	113,284
Business supplies	25,884	25,855	25,689	+0.1	+0.6	+0.7	25,301	23,652	25,402	24,678	+2.5	48,953	47,901
Construction materials and supplies	22,397	22,012	22,310	+1.7	-1.3	+1.8	21,538	19,222	20,657	20,511	+5.0	40,760	38,978
Defense products	6,932	6,955	6,825	-0.3	+1.9	-5.9	6,986	5,763	7,720	7,005	-0.3	12,749	12,629
Other materials, supplies and and intermediate products	115,866	115,909	116,720	0.0	-0.7	+0.1	117,453	107,168	111,852	119,192	-1.5	224,621	226,341
Durable goods industries :													
Nondefense capital goods ³	52,781	52,954	54,070	-0.3	-2.1	-0.2	49,946	43,012	63,431	48,305	+3.4	92,958	88,426
Excluding aircraft and parts	44,436	44,409	45,380	+0.1	-2.1	+1.5	42,094	35,904	52,789	41,193	+2.2	77,998	75,497
Defense capital goods ⁴	6,721	6,740	6,542	-0.3	+3.0	-5.9	6,726	5,494	7,586	6,612	+1.7	12,220	11,857
Durables excluding capital goods	134,473	134,397	134,919	+0.1	-0.4	+0.9	137,910	121,942	127,263	133,512	+3.3	259,852	248,083
Miscellaneous series :													
Producers' durable equipment	126,727	126,757	128,374	0.0	-1.3	+1.0	128,024	110,374	131,736	122,325	+4.7	238,398	224,054
Household durable goods	10,243	10,053	9,811	+1.9	+2.5	+4.2	10,127	8,465	9,585	9,148	+10.7	18,592	16,790
Information technology industries	25,576	25,864	25,406	-1.1	+1.8	-1.1	23,252	20,126	32,469	22,280	+4.4	43,378	40,660
Health care equipment and products	12,577	12,086	12,819	+4.1	-5.7	+4.1	12,117	11,347	13,884	11,137	+8.8	23,464	22,037
NEW ORDERS													
All manufacturing industries	340,493	349,311	343,982	-2.5	+1.5	+2.4	338,009	325,593	340,465	333,699	+1.3	663,602	644,625
Market categories :													
Automotive equipment	15,592	15,686	15,644	-0.6	+0.3	+2.5	17,173	14,607	13,832	15,662	+9.6	31,780	28,209
Home goods and apparel	19,787	19,681	19,341	+0.5	+1.8	+1.9	20,027	17,165	17,016	19,030	+5.2	37,192	35,440
Consumer staples	70,389	69,754	70,561	+0.9	-1.1	+1.5	67,471	65,594	71,046	65,951	+2.3	133,065	130,290
Machinery and equipment	65,122	69,858	64,980	-6.8	+7.5	+1.8	64,108	60,507	71,377	62,139	+3.2	124,615	118,032
Business supplies	25,830	26,041	25,587	-0.8	+1.8	-0.3	25,097	24,028	25,205	24,808	+1.2	49,125	48,042
Construction materials and supplies	22,521	22,111	22,331	+1.9	-1.0	+2.5	21,782	19,494	20,732	20,802	+4.7	41,276	39,552
Defense products	5,229	8,298	7,616	-37.0	+9.0	+31.4	4,660	8,720	10,338	5,961	-21.8	13,380	13,437
Other materials, supplies and and intermediate products	116,023	117,882	117,922	-1.6	0.0	+2.5	117,691	115,478	110,919	119,346	-1.4	233,169	231,623
Durable goods industries :													
Nondefense capital goods ³	52,904	56,863	52,005	-7.0	+9.3	+2.6	50,431	47,992	60,728	48,704	+3.5	98,423	92,984
Excluding aircraft and parts	44,982	45,316	47,132	-0.7	-3.9	+7.7	43,002	37,882	53,903	42,573	+1.0	80,884	79,158
Defense capital goods ⁴	4,959	8,018	7,449	-38.2	+7.6	+31.7	4,395	8,544	10,338	5,658	-22.3	12,939	12,886
Durables excluding capital goods	133,931	136,827	136,120	-2.1	+0.5	+2.5	137,682	131,472	125,856	133,805	+2.9	269,154	254,435
Miscellaneous series :													
Producers' durable equipment	124,831	131,562	125,888	-5.1	+4.5	+1.1	126,761	118,040	127,794	122,182	+3.7	244,801	229,823
Household durable goods	10,322	10,033	9,854	+2.9	+1.8	+4.1	10,259	8,855	9,336	9,093	+12.8	19,114	16,979
Information technology industries	26,033	26,029	25,664	0.0	+1.4	+2.8	23,903	20,243	32,296	22,687	+5.4	44,146	42,490
Health care equipment and products	12,492	12,225	12,797	+2.2	-4.5	+5.1	12,007	11,778	13,621	11,321	+6.1	23,785	22,497

^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 Feb. 99/98
	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998	Jan.- Feb.	Dec.- Jan.	Nov.- Dec.	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998	Feb. 1998	
UNFILLED ORDERS											
All manufacturing industries	524,559	526,677	519,038	-0.4	+1.5	-0.1	528,854	530,997	512,986	543,505	-2.7
Market categories :											
Automotive equipment	2,524	2,596	2,474	-2.8	+4.9	+2.3	2,614	2,677	2,405	2,582	+1.2
Home goods and apparel	9,020	8,888	8,979	+1.5	-1.0	+0.4	9,061	8,703	8,311	8,954	+1.2
Consumer staples	2,422	2,461	2,364	-1.6	+4.1	+1.5	2,194	2,480	2,262	1,952	+12.4
Machinery and equipment	244,851	245,513	241,602	-0.3	+1.6	-0.9	245,680	245,785	240,571	247,491	-0.7
Business supplies	6,921	6,975	6,789	-0.8	+2.7	-1.5	6,693	6,897	6,521	6,573	+1.8
Construction materials and supplies	17,729	17,605	17,506	+0.7	+0.6	+0.1	17,758	17,513	17,241	18,200	-2.4
Defense products	90,596	92,300	90,957	-1.8	+1.5	+0.9	91,546	93,873	90,916	98,353	-6.9
Other materials, supplies and and intermediate products	150,496	150,339	148,367	+0.1	+1.3	+0.8	153,308	153,069	144,759	159,400	-3.8
Durable goods industries :											
Nondefense capital goods ³	261,412	261,289	257,382	0.0	+1.5	-0.8	262,547	262,062	257,082	265,774	-1.2
Excluding aircraft and parts	108,328	107,782	106,877	+0.5	+0.8	+1.7	109,463	108,555	106,577	106,833	+2.5
Defense capital goods ⁴	95,463	97,225	95,947	-1.8	+1.3	+1.0	96,432	98,763	95,713	103,245	-6.6
Durables excluding capital goods	143,731	144,273	141,843	-0.4	+1.7	+0.9	146,547	146,775	137,245	149,254	-1.8
Miscellaneous series :											
Producers' durable equipment	284,244	286,140	281,337	-0.7	+1.7	-0.9	285,907	287,170	279,504	288,883	-1.0
Household durable goods	5,581	5,502	5,522	+1.4	-0.4	+0.8	5,683	5,551	5,161	5,972	-4.8
Information technology industries	39,980	39,523	39,360	+1.2	+0.4	+0.7	39,884	39,233	39,116	39,800	+0.2
Health care equipment and products	9,770	9,855	9,715	-0.9	+1.4	-0.2	9,946	10,056	9,625	8,926	+11.4
TOTAL INVENTORIES											
All manufacturing industries	465,084	464,873	466,798	0.0	-0.4	-0.9	467,362	462,588	456,330	464,331	+0.7
Market categories :											
Automotive equipment	8,493	8,585	8,669	-1.1	-1.0	+1.1	8,570	8,527	8,265	8,270	+3.6
Home goods and apparel	31,636	31,839	32,246	-0.6	-1.3	-0.8	31,478	31,479	30,811	30,854	+2.0
Consumer staples	73,430	73,431	72,825	0.0	+0.8	-1.5	73,560	73,284	72,343	72,966	+0.8
Machinery and equipment	118,281	117,346	117,856	+0.8	-0.4	-2.1	119,341	116,214	113,597	118,477	+0.7
Business supplies	28,164	28,396	28,256	-0.8	+0.5	-0.2	28,003	27,958	27,239	27,443	+2.0
Construction materials and supplies	28,765	28,844	28,706	-0.3	+0.5	-0.8	29,061	28,806	28,125	28,585	+1.7
Defense products	18,433	18,178	19,283	+1.4	-5.7	+2.4	18,294	17,888	18,604	17,514	+4.5
Other materials, supplies and and intermediate products	157,882	158,254	158,957	-0.2	-0.4	-0.3	159,055	158,432	157,346	160,222	-0.7
Durable goods industries :											
Nondefense capital goods ³	110,523	109,680	110,184	+0.8	-0.5	-2.0	111,221	108,410	106,039	111,363	-0.1
Excluding aircraft and parts	71,537	71,056	70,941	+0.7	+0.2	-1.1	72,134	70,061	67,978	73,534	-1.9
Defense capital goods ⁴	18,862	18,582	19,818	+1.5	-6.2	+3.0	18,718	18,204	19,019	17,877	+4.7
Durables excluding capital goods	165,169	165,301	165,342	-0.1	0.0	-0.6	166,213	164,994	162,357	163,128	+1.9
Miscellaneous series :											
Producers' durable equipment	190,394	189,831	190,338	+0.3	-0.3	-1.5	191,507	188,340	184,320	189,195	+1.2
Household durable goods	16,294	16,445	16,390	-0.9	+0.3	-1.5	16,358	16,363	15,683	15,544	+5.2
Information technology industries	32,023	31,627	31,949	+1.3	-1.0	-1.2	32,227	30,833	30,317	34,372	-6.2
Health care equipment and products	20,096	19,845	19,619	+1.3	+1.2	-2.4	19,974	19,357	19,082	18,684	+6.9

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 Feb. 99/98
	Monthly			Percent Change			Monthly				
	Feb. 1999 ^a	Jan. 1999 ^a	Dec. 1998	Jan.- Feb.	Dec.- Jan.	Nov.- Dec.	Feb. 1999 ^a	Jan. 1999 ^a	Dec. 1998	Feb. 1998	
MATERIALS AND SUPPLIES											
All manufacturing industries	154,359	154,017	154,046	+0.2	0.0	-1.2	154,820	154,756	153,675	154,304	+0.3
Durable goods industries	92,599	91,974	91,740	+0.7	+0.3	-1.5	92,655	92,392	91,318	91,654	+1.1
Stone, clay, and glass products	3,135	3,134	3,150	0.0	-0.5	+0.1	3,139	3,146	3,164	2,961	+6.0
Primary metals	7,612	7,701	7,840	-1.2	-1.8	-1.0	7,515	7,794	8,152	7,647	-1.7
Fabricated metal products	10,420	10,403	10,400	+0.2	0.0	-2.4	10,403	10,498	10,531	10,439	-0.3
Industrial machinery and equipment	19,986	19,997	19,774	-0.1	+1.1	-0.1	20,138	19,876	19,267	19,776	+1.8
Electronic and other											
electrical equipment	15,661	15,511	15,538	+1.0	-0.2	-1.1	15,561	15,454	15,239	15,752	-1.2
transportation equipment	15,670	15,257	15,135	+2.7	+0.8	-3.0	15,727	15,340	14,954	15,389	+2.2
instruments and related products	9,127	8,872	9,012	+2.9	-1.6	-2.3	9,048	8,824	8,855	8,844	+2.3
Lumber, furniture and											
miscellaneous durable goods	10,988	11,099	10,891	-1.0	+1.9	-1.5	11,124	11,460	11,156	10,846	+2.6
Nondurable goods industries	61,760	62,043	62,306	-0.5	-0.4	-0.7	62,165	62,364	62,357	62,650	-0.8
Food and kindred products	11,361	11,409	11,276	-0.4	+1.2	+0.5	11,511	11,604	11,340	11,415	+0.8
Tobacco products	4,875	4,926	5,064	-1.0	-2.7	-1.4	5,171	5,307	5,408	5,399	-4.2
Textile mill products	2,868	2,881	2,905	-0.5	-0.8	+0.3	2,903	2,880	2,854	3,000	-3.2
Paper and allied products	7,766	7,841	7,930	-1.0	-1.1	-0.5	7,801	7,853	7,994	7,983	-2.3
Chemicals and allied products	15,791	15,811	15,743	-0.1	+0.4	+1.4	15,825	15,743	15,612	15,224	+3.9
Petroleum and coal products	3,102	3,074	3,103	+0.9	-0.9	-14.1	3,050	2,976	3,050	3,643	-16.3
Rubber and plastics products	6,805	6,843	6,881	-0.6	-0.6	-1.5	6,857	6,894	6,930	6,739	+1.8
Apparel, printing and publishing											
and leather goods	9,192	9,258	9,404	-0.7	-1.6	-0.1	9,047	9,107	9,169	9,247	-2.2
WORK IN PROCESS											
All manufacturing industries	149,071	148,806	150,590	+0.2	-1.2	-1.1	148,965	147,207	145,967	148,206	+0.5
Durable goods industries	119,524	119,364	121,246	+0.1	-1.6	-1.0	119,484	117,801	117,283	118,736	+0.6
Stone, clay, and glass products	1,352	1,404	1,387	-3.7	+1.2	+1.6	1,431	1,392	1,290	1,427	+0.3
Primary metals	8,405	8,533	8,567	-1.5	-0.4	-1.2	8,395	8,509	8,450	8,766	-4.2
Fabricated metal products	9,097	9,067	9,105	+0.3	-0.4	-1.3	8,935	8,899	8,919	8,487	+5.3
Industrial machinery and equipment	22,713	22,551	22,507	+0.7	+0.2	-1.1	22,852	22,125	21,506	23,054	-0.9
Electronic and other											
electrical equipment	13,708	13,700	13,634	+0.1	+0.5	-2.0	13,786	13,500	13,140	14,752	-6.5
transportation equipment	49,041	48,845	50,753	+0.4	-3.8	-1.0	48,898	48,409	49,251	47,159	+3.7
instruments and related products	9,924	9,965	10,004	-0.4	-0.4	-0.1	9,899	9,719	9,587	9,884	+0.2
Lumber, furniture and											
miscellaneous durable goods	5,284	5,299	5,289	-0.3	+0.2	-0.4	5,288	5,248	5,140	5,207	+1.6
Nondurable goods industries	29,547	29,442	29,344	+0.4	+0.3	-1.5	29,481	29,406	28,684	29,470	0.0
Food and kindred products	6,142	6,029	5,834	+1.9	+3.3	+1.9	6,253	6,352	6,246	5,842	+7.0
Tobacco products	94	95	94	-1.1	+1.1	+2.2	93	98	88	107	-13.1
Textile mill products	2,526	2,553	2,588	-1.1	-1.4	-1.3	2,526	2,561	2,500	2,711	-6.8
Paper and allied products	1,648	1,647	1,655	+0.1	-0.5	+4.8	1,678	1,690	1,661	1,726	-2.8
Chemicals and allied products	8,886	8,604	8,592	+3.3	+0.1	-6.2	8,867	8,461	8,380	8,354	+6.1
Petroleum and coal products	2,214	2,293	2,348	-3.4	-2.3	-4.2	2,168	2,256	2,199	2,677	-19.0
Rubber and plastics products	2,216	2,245	2,232	-1.3	+0.6	-0.2	2,257	2,279	2,195	2,300	-1.9
Apparel, printing and publishing											
and leather goods	5,821	5,976	6,001	-2.6	-0.4	+1.2	5,639	5,709	5,415	5,753	-2.0
FINISHED GOODS											
All manufacturing industries	161,654	162,050	162,162	-0.2	-0.1	-0.4	163,577	160,625	156,688	161,821	+1.1
Durable goods industries	82,431	82,225	82,358	+0.3	-0.2	0.0	84,013	81,415	78,814	81,978	+2.5
Stone, clay, and glass products	4,791	4,843	4,794	-1.1	+1.0	-0.3	4,945	4,864	4,649	4,940	+0.1
Primary metals	8,237	8,204	8,272	+0.4	-0.8	+0.5	8,360	8,222	8,195	8,059	+3.7
Fabricated metal products	11,348	11,450	11,350	-0.9	+0.9	+0.9	11,579	11,344	10,828	11,265	+2.8
Industrial machinery and equipment	17,977	18,110	18,251	-0.7	-0.8	-0.9	18,652	18,255	17,642	19,232	-3.0
Electronic and other											
electrical equipment	10,715	10,370	10,614	+3.3	-2.3	-0.7	10,796	10,082	9,998	10,814	-0.2
transportation equipment	9,722	9,750	9,813	-0.3	-0.6	+2.3	9,895	9,503	8,952	8,845	+11.9
instruments and related products	7,664	7,606	7,499	+0.8	+1.4	+0.8	7,600	7,288	7,241	7,218	+5.3
Lumber, furniture and											
miscellaneous durable goods	11,977	11,892	11,765	+0.7	+1.1	-1.3	12,186	11,857	11,309	11,605	+5.0
Nondurable goods industries	79,223	79,825	79,804	-0.8	0.0	-0.8	79,564	79,210	77,874	79,843	-0.3
Food and kindred products	20,213	20,220	20,189	0.0	+0.2	-0.7	20,109	20,060	19,902	20,550	-2.1
Tobacco products	634	661	709	-4.1	-6.8	-0.3	763	788	801	827	-7.7
Textile mill products	4,627	4,644	4,687	-0.4	-0.9	+0.2	4,696	4,625	4,402	4,636	+1.3
Paper and allied products	6,658	6,692	6,777	-0.5	-1.3	-2.3	6,710	6,686	6,599	6,791	-1.2
Chemicals and allied products	21,785	22,010	21,882	-1.0	+0.6	-1.4	22,286	22,010	21,704	22,268	+0.1
Petroleum and coal products	4,714	4,878	4,803	-3.4	+1.6	-2.0	4,553	4,768	4,614	4,866	-6.4
Rubber and plastics products	7,630	7,692	7,653	-0.8	+0.5	+0.3	7,895	7,783	7,472	7,938	-0.5
Apparel, printing and publishing											
and leather goods	12,962	13,028	13,104	-0.5	-0.6	0.0	12,552	12,490	12,380	11,967	+4.9

^a 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 UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio ¹			
	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Nov. 1998	Feb. 1999 ^p	Jan. 1999 ^r	Dec. 1998 ^r	Nov. 1998
All manufacturing industries	1.36	1.36	1.36	1.38	2.67	2.67	2.61	2.61
Durable goods industries	1.52	1.51	1.51	1.53	3.14	3.14	3.07	3.06
Stone, clay, and glass products	1.10	1.14	1.12	1.13	0.77	0.79	0.78	0.79
Primary metals	1.70	1.71	1.74	1.74	2.06	2.02	2.08	2.08
Fabricated metal products	1.51	1.51	1.50	1.53	1.36	1.35	1.34	1.35
Industrial machinery and equipment	1.65	1.66	1.64	1.66	2.16	2.17	2.12	2.09
Electronic and other								
electrical equipment	1.25	1.21	1.21	1.24	1.94	1.91	1.83	1.83
Transportation equipment	1.58	1.56	1.58	1.58	9.56	9.55	9.12	8.81
Instruments and related products	1.90	1.89	1.85	1.84	3.33	3.38	3.28	3.27
Nondurable goods industries	1.15	1.16	1.15	1.18	0.65	0.64	0.64	0.65
Food and kindred products	0.91	0.91	0.90	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.38	1.41	1.54	1.75	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.53	1.57	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.20	1.20	1.22	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.40	1.44	1.38	1.44	(X)	(X)	(X)	(X)
Petroleum and coal products	0.90	0.93	0.93	0.99	(X)	(X)	(X)	(X)
Rubber and plastics products	1.22	1.27	1.25	1.28	(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		
	Feb. ¹ 1999	Feb. ² 1994-1998	Feb. 1998-Jan. 1999	Feb. ¹ 1999	Feb. ² 1994-1998	Feb. 1998-Jan. 1999	Feb. ¹ 1999	Feb. ² 1994-1998	Feb. 1998-Jan. 1999	Feb. ¹ 1999	Feb. ² 1994-1998	Feb. 1998-Jan. 1999
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.1	0.0
Durable goods industries	0.0	0.2	0.2	0.1	0.4	0.3	0.0	0.2	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.7	0.4	(X)	1.0	0.6	(X)	0.6	0.4	(X)	0.2	0.1
Primary metals	-0.2	0.3	0.3	-0.2	0.8	0.8	-0.1	0.4	0.2	(X)	0.1	0.1
Fabricated metal products	(X)	0.4	0.3	(X)	0.8	0.4	(X)	0.3	0.2	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.3	0.3	-0.2	0.4	0.3	-0.3	0.1	0.1	(X)	0.0	0.1
Electronic and other												
electrical equipment	-0.3	0.4	0.5	-0.1	0.4	1.3	0.2	0.2	0.6	(X)	0.1	0.2
Transportation equipment	-0.2	0.6	0.6	-0.1	1.3	0.9	0.0	0.2	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.4	0.5	(X)	1.6	1.3	(X)	0.4	0.2	(X)	0.2	0.1
Nondurable goods industries	(X)	0.2	0.1	(X)	0.1	0.1	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	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)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Rubber and plastics products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7
Capital goods industries :												
Nondense	0.2	0.3	0.3	0.1	0.7	0.5	-0.1	0.1	0.1	(X)	0.1	0.1
Defense	-0.1	0.5	0.5	-0.3	7.2	3.3	0.0	0.4	0.2	(X)	0.3	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.

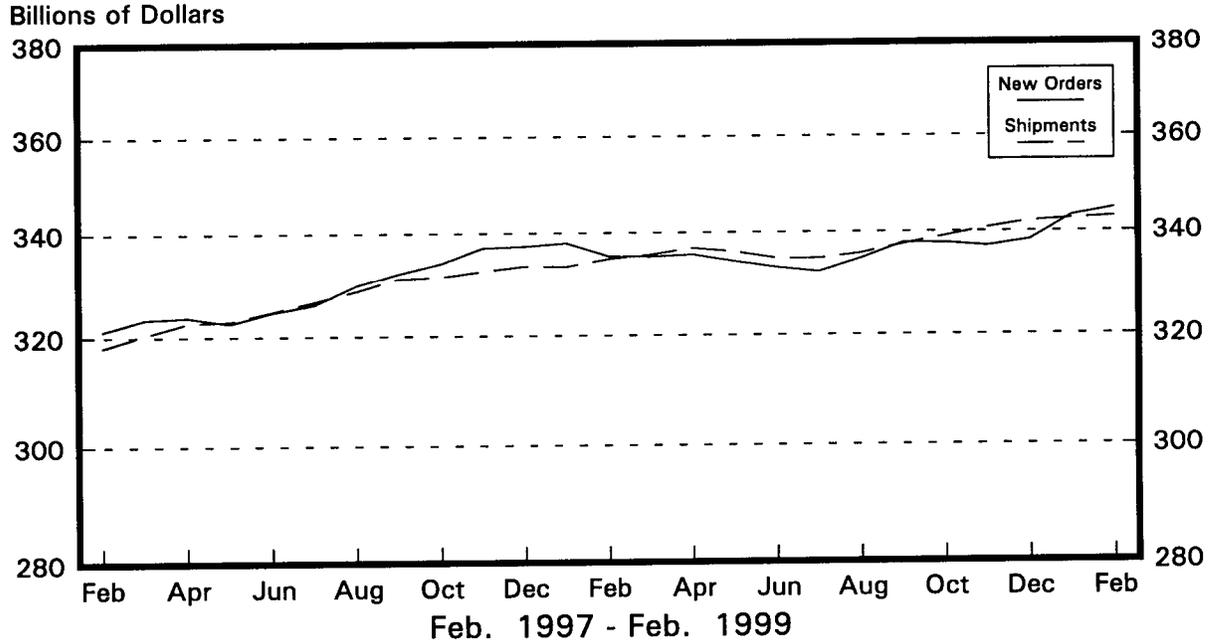
¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

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

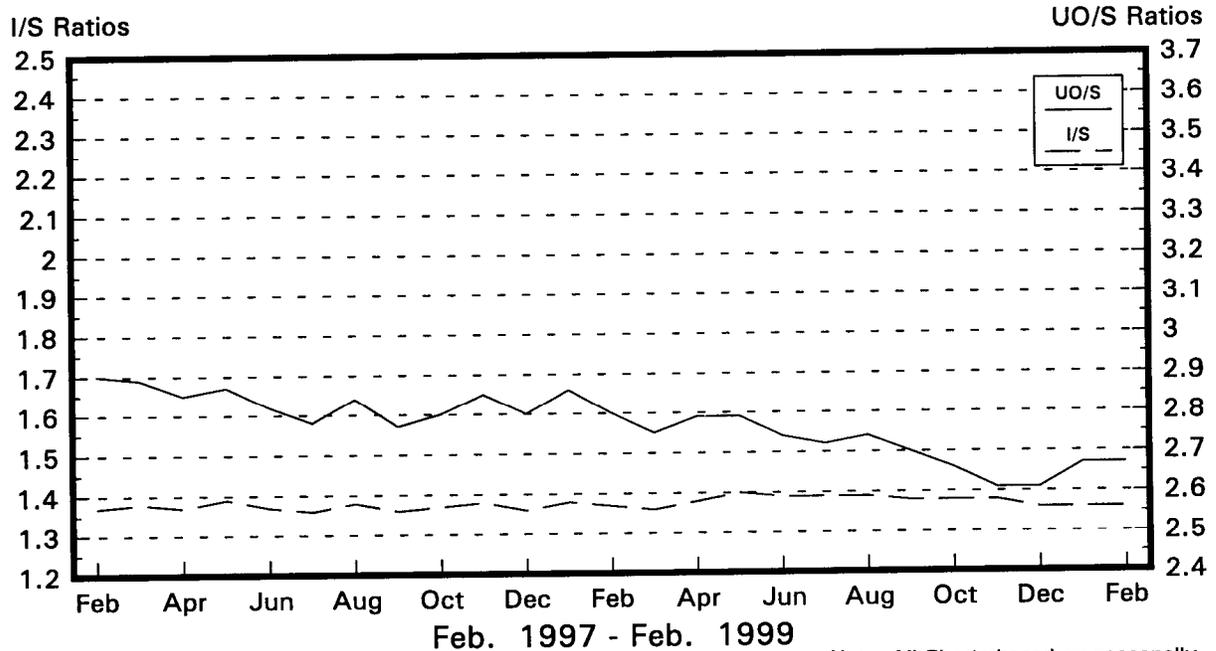
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

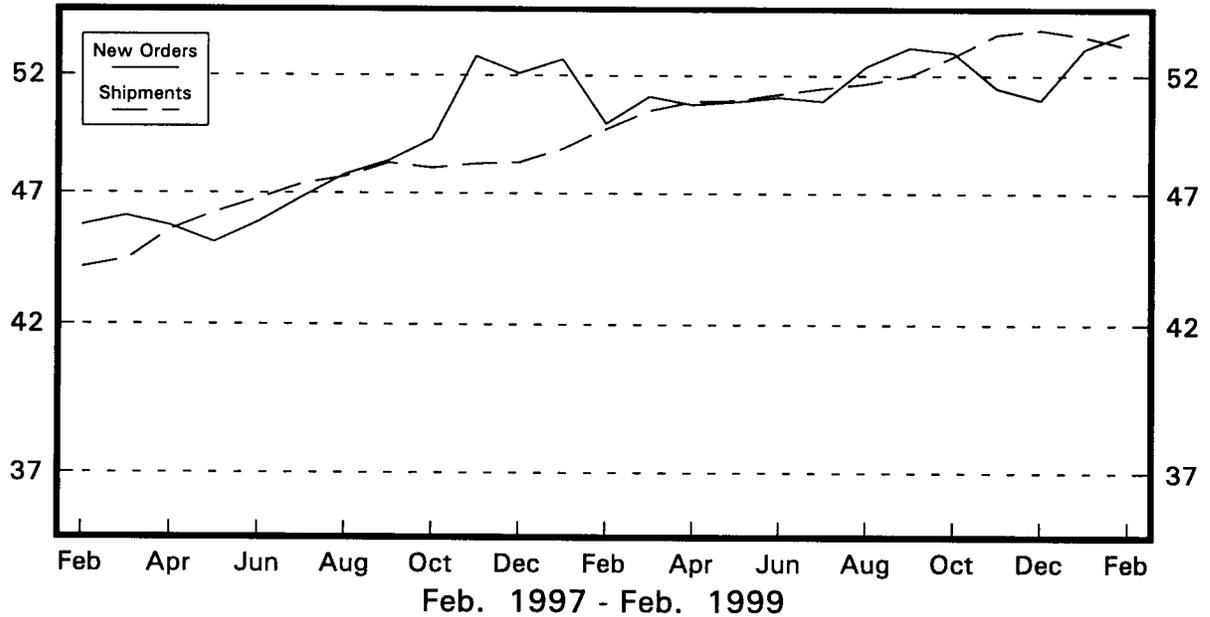


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages

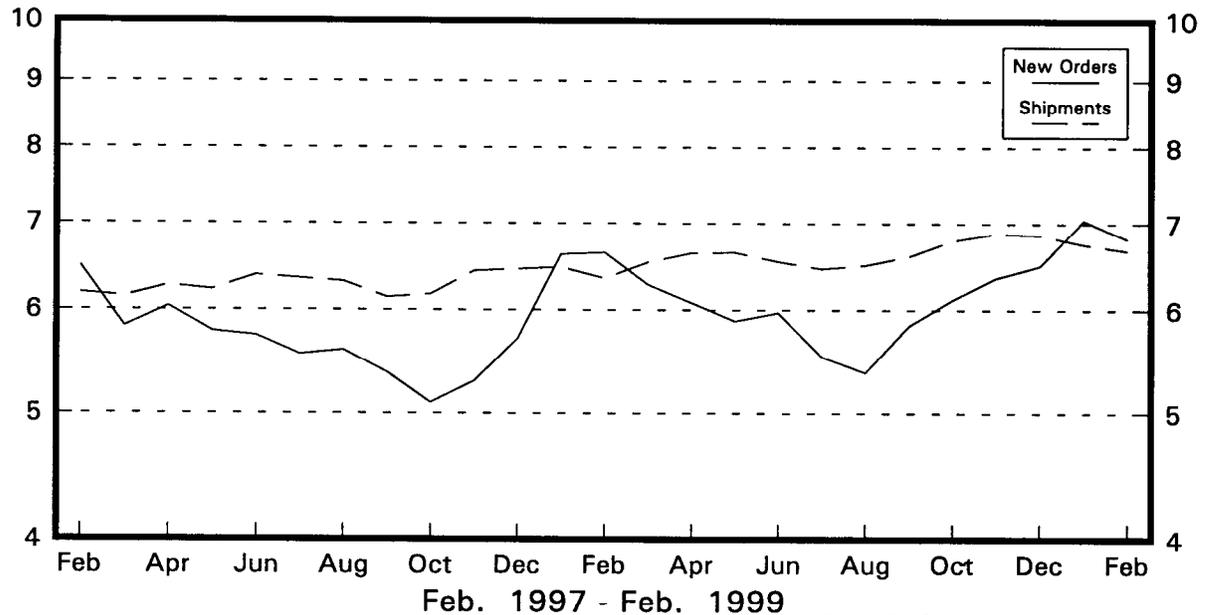
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.