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Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Manufacturers' Shipments, Inventories, and Orders

**July 2000**

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All figures in text are in seasonally adjusted current dollars

## Summary

New orders for manufactured goods in July decreased \$30.5 billion or 7.5 percent to \$377.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 5.2 percent June increase and is the largest decrease on record. Excluding transportation, new orders decreased 2.6 percent. Year to date, new orders are 9.5 percent above the same period a year ago.

Shipments decreased \$4.7 billion or 1.2 percent to \$379.5 billion, following a 0.8 percent June increase. Year to date, shipments are 7.9 percent above the same period a year ago.

Unfilled orders decreased \$2.0 billion or 0.3 percent to \$580.2 billion, following a 4.3 percent June increase. The unfilled orders-to-shipments ratio was 2.67, up from 2.64 in June.

Inventories increased \$3.2 billion or 0.7 percent to \$485.2 billion, following a 0.6 percent June increase. This is the tenth increase in the last eleven months. The inventories-to-shipments ratio was 1.28, up from 1.25 in June.

## New Orders

New orders for manufactured durable goods in July decreased \$30.0 billion or 12.4 percent to \$211.8 billion, unrevised from the previously published 12.4 percent decrease. This is the largest decrease on record. Excluding transportation, new orders decreased 4.7 percent.

Transportation equipment had the largest decrease, \$21.8 billion or 31.8 percent to \$46.7 billion, mostly due to aircraft and parts. This is the largest decrease on record. Electronic and other electrical equipment decreased \$8.1 billion or 17.2 percent to \$39.0 billion, due to electronic components and communication equipment. Instruments and related products decreased \$2.0 billion or 12.1 percent to \$14.6 billion. Industrial machinery and equipment, up four of the last five months, increased \$2.4 billion or 5.5 percent to \$46.0 billion.

New orders for nondurable goods decreased \$0.5 billion or 0.3 percent to \$165.8 billion. Petroleum and coal products had the largest decrease.

## Shipments

Shipments of durable goods in July decreased \$4.1 billion or 1.9 percent to \$213.5 billion, unrevised from the previously published 1.9 percent decrease.

Transportation equipment had the largest decrease, \$4.9 billion or 9.4 percent to \$47.3 billion; all component industries decreased except shipbuilding and tanks. This is the largest decrease since the 9.9 percent decline in July 1993. Instruments and related products decreased \$0.7 billion or 4.5 percent to \$14.8 billion. This is the largest decrease since the 4.5 percent decline in October 1988. Industrial machinery and equipment increased \$2.2 billion or 5.2 percent to \$44.3 billion.

Shipments of nondurable goods decreased \$0.6 billion or 0.3 percent to \$166.0 billion. Petroleum and coal products had the largest decrease, \$0.7 billion or 3.4 percent to \$19.7 billion.

## Unfilled Orders

Unfilled orders for durable goods in July decreased \$1.8 billion or 0.3 percent to \$554.5 billion, unrevised from the previously published 0.3 percent decrease. Electronic and other electrical equipment had the largest decrease, \$2.1 billion or 2.0 percent to \$102.2 billion, due to electronic components. Transportation equipment, down five of the last six months, decreased \$0.6 billion or 0.3 percent to \$242.3 billion. Primary metals, down nine consecutive months, decreased \$0.3 billion or 0.8 percent to \$31.0 billion. Industrial machinery and equipment increased \$1.7 billion or 1.9 percent to \$90.2 billion. This is the thirteenth consecutive increase.

## Inventories

Inventories of durable goods in July increased \$2.2 billion or 0.7 percent to \$303.3 billion. This is the tenth increase in the last eleven months. All major industry groups increased.

Electronic and other electrical equipment had the largest increase, \$0.6 billion or 1.4 percent to \$45.8 billion. This is the tenth increase in the last eleven months.

Inventories of nondurable goods, up thirteen consecutive months, increased \$1.0 billion or 0.6 percent to \$181.9 billion.

By stage of fabrication, July finished goods increased 2.1 percent in durables and 0.3 percent in nondurables. Work in process decreased 0.3 percent in durables and increased 1.5 percent in nondurables. Materials and supplies increased 0.7 percent in durables and 0.4 percent in nondurables.

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

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

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	June-July	May-June	Apr.-May	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	July 1999		July 00/99	2000 <sup>p</sup>
All manufacturing industries . . . . .	379,547	384,208	381,157	-1.2	+0.8	+2.2	341,490	412,589	380,276	320,282	+6.6	2,600,864	2,411,534
Manufacturing Industries													
with unfilled orders . . . . .	217,615	220,219	218,254	-1.2	+0.9	+2.2	194,081	240,183	214,477	181,081	+7.2	1,476,714	1,372,536
without defense capital goods . . . . .	372,947	377,158	374,927	-1.1	+0.6	+2.2	335,704	404,879	374,272	314,532	+6.7	2,557,204	2,366,991
Durable goods industries . . . . .	213,546	217,645	214,890	-1.9	+1.3	+2.7	181,271	238,833	213,946	171,249	+5.9	1,459,947	1,364,987
With unfilled orders . . . . .	178,225	180,709	178,644	-1.4	+1.2	+2.4	156,000	199,351	175,856	144,441	+8.0	1,208,032	1,117,550
Stone, clay, and glass products . . . . .	8,821	8,812	8,950	+0.1	-1.5	+0.7	8,749	9,364	9,140	8,641	+1.2	61,340	58,667
Primary metals . . . . .	16,002	16,092	15,978	-0.6	+0.7	+0.9	14,552	16,946	16,313	13,574	+7.2	112,841	102,163
Blast furnaces, steel mills . . . . .	6,072	6,142	6,153	-1.1	-0.2	+2.2	5,497	6,463	6,299	5,169	+6.3	43,580	39,492
Iron and steel foundries . . . . .	1,470	1,457	1,473	+0.9	-1.1	+3.1	1,239	1,541	1,540	1,321	-6.2	10,453	10,757
Nonferrous and other primary metals . . . . .	8,460	8,493	8,352	-0.4	+1.7	-0.3	7,816	8,942	8,474	7,084	+10.3	58,808	51,914
Fabricated metal products . . . . .	20,463	20,649	20,749	-0.9	-0.5	+1.2	18,122	21,984	21,106	18,208	-0.5	142,907	141,716
Industrial machinery and equipment . . . . .	44,295	42,086	42,478	+5.2	-0.9	-0.7	39,391	49,283	41,107	34,097	+15.5	292,822	260,229
Engines and turbines . . . . .	2,745	2,605	2,671	+5.4	-2.5	-7.3	1,921	3,004	2,596	1,860	+3.3	18,073	16,336
Farm and garden machinery . . . . .	2,170	2,045	2,099	+6.1	-2.6	+4.4	1,808	2,079	2,595	1,420	+27.3	16,461	14,827
Construction, mining and material handling equipment . . . . .	4,002	4,004	4,102	0.0	-2.4	+2.6	3,738	4,566	4,183	3,544	+5.5	28,930	27,980
Metalworking machinery . . . . .	3,814	3,741	3,738	+2.0	+0.1	-4.0	3,181	3,989	3,617	3,054	+4.2	25,009	23,534
Computer and office equipment . . . . .	15,139	13,935	14,198	+8.6	-1.9	+0.4	13,340	18,063	12,353	10,641	+25.4	93,073	77,151
Electronic and other electrical equipment . . . . .	41,051	41,316	40,455	-0.6	+2.1	+3.8	36,141	45,441	38,783	30,909	+16.9	267,230	226,136
Electrical transmission and distribution equipment and industrial apparatus . . . . .	4,076	4,193	4,221	-2.8	-0.7	+7.1	3,665	4,632	4,124	3,582	+2.3	28,789	26,094
Household appliances . . . . .	2,292	2,404	2,477	-4.7	-2.9	+4.6	2,121	2,801	2,484	2,253	-5.9	17,021	16,466
Electric lighting and wiring equipment . . . . .	2,703	2,733	2,629	-1.1	+4.0	+4.8	2,252	2,914	2,541	2,046	+10.1	17,603	15,951
Household audio and video equipment . . . . .	1,254	1,231	1,114	+1.9	+10.5	-15.3	1,165	1,159	961	998	+16.7	7,655	6,718
Communications equipment . . . . .	10,197	10,033	10,576	+1.6	-5.1	+3.1	8,627	11,783	9,982	7,530	+14.6	67,059	54,501
Electronic components . . . . .	18,416	18,483	17,317	-0.4	+6.7	+5.3	16,674	19,814	16,627	12,711	+31.2	114,878	91,650
Transportation equipment . . . . .	47,323	52,256	49,912	-9.4	+4.7	+7.1	31,705	56,149	51,605	32,697	-3.0	334,524	331,807
Motor vehicles and parts . . . . .	33,490	35,026	33,581	-4.4	+4.3	+4.7	19,891	37,337	35,124	20,450	-2.7	232,336	227,902
Aircraft, missiles, space vehicles, and parts . . . . .	10,318	12,388	12,675	-16.7	-2.3	+14.3	8,762	13,632	12,818	9,299	-5.8	76,014	80,524
Shipbuilding and tanks . . . . .	1,187	1,109	1,087	+7.0	+2.0	+8.2	1,124	1,193	1,065	903	+24.5	7,425	6,577
Instruments and related products . . . . .	14,816	15,514	14,959	-4.5	+3.7	+2.8	13,150	17,263	14,546	12,834	+2.5	102,201	98,299
Search and navigation equipment . . . . .	3,008	3,242	3,047	-7.2	+6.4	+5.2	2,698	3,572	2,880	2,877	-6.2	20,974	21,651
Measuring and controlling devices . . . . .	4,729	5,225	4,737	-9.5	+10.3	+0.3	4,110	5,669	4,682	3,669	+12.0	32,961	28,255
Medical instruments and supplies . . . . .	4,711	4,667	4,698	+0.9	-0.7	+3.1	4,223	5,300	4,497	4,221	0.0	31,788	32,815
Photographic goods . . . . .	1,840	1,868	1,949	-1.5	-4.2	+5.1	1,603	2,159	1,932	1,619	-1.0	12,893	12,208
All other durable goods . . . . .	20,775	20,920	21,409	-0.7	-2.3	+1.1	19,461	22,403	21,346	20,288	-4.1	146,082	145,969
Nondurable goods industries . . . . .	166,001	166,563	166,267	-0.3	+0.2	+1.5	160,219	173,756	166,330	149,033	+7.5	1,140,917	1,046,547
With unfilled orders . . . . .	39,390	39,510	39,610	-0.3	-0.3	+1.4	38,081	40,832	38,621	36,640	+3.9	268,682	254,986
Food and kindred products . . . . .	42,634	42,626	42,590	0.0	+0.1	-0.3	40,763	43,770	42,673	39,577	+3.0	291,696	285,672
Meat products . . . . .	9,844	9,847	9,753	0.0	+1.0	-0.4	9,592	10,063	9,893	8,678	+10.5	66,801	60,291
Dairy products . . . . .	6,304	6,435	6,380	-2.0	+0.9	-0.1	5,893	6,701	6,420	5,909	-0.3	43,402	44,653
Beverages . . . . .	6,567	6,560	6,681	+0.1	-1.8	+0.7	6,817	7,411	7,146	6,621	+3.0	46,327	44,074
All other foods, except fats and oils . . . . .	18,194	17,990	17,973	+1.1	+0.1	-0.8	16,736	17,801	17,411	16,668	+0.4	122,619	123,672
Tobacco products . . . . .	4,493	4,298	4,695	+4.5	-8.5	+7.8	4,352	4,432	4,987	4,157	+4.7	30,764	28,950
Textile mill products . . . . .	6,489	6,554	6,446	-1.0	+1.7	-1.1	5,973	7,123	6,439	6,045	-1.2	44,797	44,756
Broadwoven fabrics and other textiles . . . . .	3,641	3,651	3,606	-0.3	+1.2	+0.7	3,208	3,959	3,668	3,253	-1.4	25,115	25,913
Paper and allied products . . . . .	14,556	14,540	14,672	+0.1	-0.9	+1.1	14,114	15,081	14,573	13,208	+6.9	100,966	93,817
Pulp, paper, and paperboard mill products . . . . .	5,859	5,858	5,843	0.0	+0.3	+0.5	5,752	6,020	5,710	5,162	+11.4	40,482	35,857
Paperboard containers and boxes . . . . .	3,928	3,942	4,057	-0.4	-2.8	+0.8	3,755	4,039	4,107	3,275	+14.7	27,536	23,267
Miscellaneous converted paper products . . . . .	4,769	4,740	4,772	+0.6	-0.7	+2.1	4,607	5,022	4,756	4,771	-3.4	32,948	34,693
Chemicals and allied products . . . . .	37,026	36,621	37,082	+1.1	-1.2	+2.5	35,388	39,032	37,235	33,033	+7.1	256,157	237,132
Industrial chemicals . . . . .	16,007	15,999	16,042	+0.1	-0.3	+0.6	15,513	16,890	16,130	14,960	+3.7	112,601	104,722
Drugs, soaps, and toiletries . . . . .	17,095	16,730	17,176	+2.2	-2.6	+4.2	16,217	17,709	16,206	14,495	+11.9	113,367	102,634
Petroleum and coal products . . . . .	19,651	20,342	18,876	-3.4	+7.8	+2.9	20,261	21,369	19,610	15,083	+34.3	132,828	87,919
Rubber and plastics products . . . . .	14,526	14,696	14,794	-1.2	-0.7	+2.9	13,196	15,662	15,244	12,292	+7.4	102,395	95,080
All other nondurable goods . . . . .	26,626	26,886	27,112	-1.0	-0.8	+1.3	26,172	27,287	25,569	25,638	+2.1	181,314	173,221

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

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

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

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	June-July	May-June	Apr.-May	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	July 1999		July 00/99	2000 <sup>p</sup>
All manufacturing industries . . . . .	377,594	408,087	387,906	-7.5	+5.2	+4.7	347,520	431,242	383,765	328,590	+5.8	2,652,306	2,421,859
Manufacturing industries with unfilled orders . . . . .	215,662	244,098	225,003	-11.6	+8.5	+6.7	200,111	258,836	217,966	189,389	+5.7	1,528,156	1,382,861
without defense capital goods . . . . .	371,725	387,409	380,755	-4.0	+1.7	+4.3	343,200	408,419	379,065	323,524	+6.1	2,593,886	2,379,325
Durable goods industries . . . . .	211,754	241,748	221,388	-12.4	+9.2	+7.2	186,681	257,269	216,776	178,540	+4.6	1,509,290	1,372,492
With unfilled orders . . . . .	176,433	204,812	185,142	-13.9	+10.6	+7.9	161,410	217,787	178,686	151,732	+6.4	1,257,375	1,125,055
Stone, clay, and glass products . . . . .	8,774	8,743	8,886	+0.4	-1.6	-0.1	8,677	9,270	9,012	8,593	+1.0	61,436	58,674
Primary metals . . . . .	15,741	15,991	15,864	-1.6	+0.8	+0.8	14,344	16,221	15,646	14,435	-0.6	112,813	104,860
Blast furnaces, steel mills . . . . .	5,725	5,920	5,849	-3.3	+1.2	+1.3	5,033	5,870	5,732	5,307	-5.2	42,752	41,031
Iron and steel foundries . . . . .	1,522	1,556	1,606	-2.2	-3.1	+10.8	1,264	1,592	1,576	1,334	-5.2	10,825	10,240
Nonferrous and other primary metals . . . . .	8,494	8,515	8,409	-0.2	+1.3	-1.3	8,047	8,759	8,338	7,794	+3.2	59,236	53,589
Fabricated metal products . . . . .	20,360	20,538	20,793	-0.9	-1.2	+0.5	18,278	21,767	21,169	18,325	-0.3	143,733	141,785
Industrial machinery and equipment . . . . .	45,993	43,612	43,560	+5.5	+0.1	-0.2	41,412	49,631	42,267	35,206	+17.6	301,129	264,306
Engines and turbines . . . . .	4,012	4,546	3,374	-11.7	+34.7	+25.0	3,406	4,963	3,155	2,428	+40.3	21,872	19,677
Construction, mining and material handling equipment . . . . .	3,971	4,062	3,991	-2.2	+1.8	+1.2	3,483	4,461	3,859	3,235	+7.7	28,944	27,206
Metalworking machinery . . . . .	3,668	3,496	3,707	+4.9	-5.7	-5.3	3,035	3,744	3,586	3,344	-9.2	25,162	24,059
Computer and office equipment . . . . .	14,901	13,808	14,353	+7.9	-3.8	+1.0	13,250	17,683	13,009	11,047	+19.9	93,281	77,797
Electronic and other electrical equipment . . . . .	38,955	47,067	47,323	-17.2	-0.5	+28.4	40,277	46,469	44,398	37,743	+6.7	286,716	238,357
Electrical transmission and distribution equipment and industrial apparatus . . . . .	4,067	4,528	4,232	-10.2	+7.0	+2.6	3,699	4,864	4,086	3,671	+0.8	29,520	26,423
Electric lighting and wiring equipment . . . . .	2,881	2,581	2,721	+11.6	-5.1	+3.6	2,430	2,762	2,633	2,122	+14.5	18,058	16,304
Communications equipment . . . . .	10,292	13,335	10,388	-22.8	+28.4	-4.1	8,371	14,820	9,593	7,578	+10.5	70,817	55,576
Electronic components . . . . .	15,896	21,091	24,094	-24.6	-12.5	+79.1	20,697	18,210	22,515	19,370	+6.9	128,624	102,297
Transportation equipment . . . . .	46,681	68,467	48,354	-31.8	+41.6	+6.8	31,229	73,682	48,124	31,128	+0.3	351,721	319,428
Aircraft, missiles, space vehicles, and parts . . . . .	9,748	30,100	10,824	-67.6	178.1	+8.4	8,140	32,715	9,273	8,490	-4.1	93,915	71,092
Shipbuilding and tanks . . . . .	837	598	1,346	+40.0	-55.6	216.0	764	741	1,327	575	+32.9	6,626	6,427
Instruments and related products . . . . .	14,647	16,657	15,112	-12.1	+10.2	+6.8	12,962	18,348	14,314	12,629	+2.6	104,344	97,989
Search and navigation equipment . . . . .	2,867	4,134	3,160	-30.6	+30.8	+10.3	2,225	4,843	2,663	2,196	+1.3	22,017	21,292
Measuring and controlling devices . . . . .	4,862	5,065	4,761	-4.0	+6.4	+1.4	4,243	5,509	4,706	3,669	+15.6	33,444	28,395
Medical instruments and supplies . . . . .	4,539	5,096	4,745	-10.9	+7.4	+12.2	4,356	5,314	4,487	4,683	-7.0	32,438	32,843
All other durable goods . . . . .	20,603	20,673	21,496	-0.3	-3.8	+0.9	19,502	21,881	21,846	20,531	-5.0	147,398	147,143
Nondurable goods industries . . . . .	165,840	166,339	166,518	-0.3	-0.1	+1.6	160,839	173,973	166,989	150,050	+7.2	1,143,016	1,049,367
With unfilled orders . . . . .	39,229	39,286	39,861	-0.1	-1.4	+1.8	38,701	41,049	39,280	37,657	+2.8	270,781	257,806

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

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

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

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 July 00/99
	July 2000 <sup>P</sup>	June 2000 <sup>r</sup>	May 2000	June- July	May- June	Apr.- May	July 2000 <sup>P</sup>	June 2000 <sup>r</sup>	May 2000	July 1999	
All manufacturing industries . . . . .	580,190	582,143	558,264	-0.3	+4.3	+1.2	584,133	578,103	559,450	523,311	+11.6
Manufacturing industries without defense capital goods . . . . .	472,498	473,720	463,469	-0.3	+2.2	+1.3	475,733	468,237	464,697	429,607	+10.7
Durable goods industries . . . . .	554,520	556,312	532,209	-0.3	+4.5	+1.2	557,122	551,712	533,276	497,545	+12.0
Stone, clay, and glass products . . . . .	6,336	6,383	6,452	-0.7	-1.1	-1.0	6,333	6,405	6,499	6,078	+4.2
Primary metals . . . . .	31,029	31,290	31,391	-0.8	-0.3	-0.4	31,093	31,301	32,026	31,544	-1.4
Blast furnaces, steel mills . . . . .	11,866	12,213	12,435	-2.8	-1.8	-2.4	11,805	12,269	12,862	12,574	-6.1
Iron and steel foundries . . . . .	5,053	5,001	4,902	+1.0	+2.0	+2.8	5,036	5,011	4,960	4,835	+4.2
Nonferrous and other primary metals . . . . .	14,110	14,076	14,054	+0.2	+0.2	+0.4	14,252	14,021	14,204	14,135	+0.8
Fabricated metal products . . . . .	25,211	25,314	25,425	-0.4	-0.4	+0.2	25,574	25,418	25,635	25,503	+0.3
Industrial machinery and equipment . . . . .	90,158	88,460	86,934	+1.9	+1.8	+1.3	89,534	87,513	87,165	78,518	+14.0
Engines and turbines . . . . .	29,083	27,816	25,875	+4.6	+7.5	+2.8	28,597	27,112	25,153	22,066	+29.6
Construction, mining and material handling equipment . . . . .	8,732	8,763	8,705	-0.4	+0.7	-1.3	8,593	8,848	8,953	8,859	-3.0
Metalworking machinery . . . . .	6,643	6,789	7,034	-2.2	-3.5	-0.4	6,643	6,789	7,034	6,971	-4.7
Computer and office equipment . . . . .	8,675	8,913	9,040	-2.7	-1.4	+1.7	8,889	8,979	9,359	8,587	+3.5
Electronic and other electrical equipment . . . . .	102,200	104,296	98,545	-2.0	+5.8	+7.5	103,173	99,037	98,009	70,027	+47.3
Electrical transmission and distribution equipment and industrial apparatus . . . . .	7,609	7,618	7,283	-0.1	+4.6	+0.2	7,627	7,593	7,361	6,510	+17.2
Electric lighting and wiring equipment . . . . .	5,487	5,309	5,461	+3.4	-2.8	+1.7	5,487	5,309	5,461	5,375	+2.1
Communications equipment . . . . .	30,195	30,100	26,798	+0.3	+12.3	-0.7	29,381	29,637	26,600	18,132	+62.0
Electronic components . . . . .	52,340	54,860	52,252	-4.6	+5.0	+14.9	54,220	50,197	51,801	34,302	+58.1
Transportation equipment . . . . .	242,255	242,897	226,686	-0.3	+7.2	-0.7	243,579	244,055	226,522	230,205	+5.8
Aircraft, missiles, space vehicles, and parts . . . . .	207,048	207,618	189,906	-0.3	+9.3	-1.0	208,409	209,031	189,948	194,576	+7.1
Shipbuilding and tanks . . . . .	18,691	19,041	19,552	-1.8	-2.6	+1.3	18,729	19,089	19,541	19,172	-2.3
Instruments and related products . . . . .	48,553	48,722	47,579	-0.3	+2.4	+0.3	48,639	48,827	47,742	46,875	+3.8
Search and navigation equipment . . . . .	26,302	26,443	25,551	-0.5	+3.5	+0.4	26,463	26,936	25,665	26,069	+1.5
Measuring and controlling devices . . . . .	10,615	10,482	10,642	+1.3	-1.5	+0.2	10,615	10,482	10,642	10,325	+2.8
Medical instruments and supplies . . . . .	10,760	10,932	10,503	-1.6	+4.1	+0.4	10,685	10,552	10,538	9,614	+11.1
All other durable goods . . . . .	8,778	8,950	9,197	-1.9	-2.7	+1.0	9,197	9,156	9,678	8,846	+4.0
Non durable goods industries . . . . .	25,670	25,831	26,055	-0.6	-0.9	+1.0	27,011	26,391	26,174	25,766	+4.8

<sup>P</sup> Preliminary. <sup>r</sup> 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 July 00/99
	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	June- July	May- June	Apr.- May	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	July 1999	
All manufacturing industries . . . . .	485,241	482,041	479,362	+0.7	+0.6	+0.3	487,283	479,830	483,500	466,518	+4.5
Manufacturing industries with unfilled orders . . . . .	319,297	317,278	315,949	+0.6	+0.4	+0.3	322,500	317,115	320,001	311,804	+3.4
without defense capital goods . . . . .	466,625	462,733	460,500	+0.8	+0.5	+0.3	468,356	460,414	464,591	447,496	+4.7
Durable goods industries . . . . .	303,308	301,119	299,916	+0.7	+0.4	+0.2	305,334	299,648	303,296	294,993	+3.5
With unfilled orders . . . . .	277,157	275,276	274,223	+0.7	+0.4	+0.2	279,601	274,673	277,719	270,594	+3.3
Stone, clay, and glass products . . . . .	10,131	10,079	10,014	+0.5	+0.6	-0.7	10,164	10,152	10,252	9,514	+6.8
Primary metals . . . . .	25,264	25,029	24,948	+0.9	+0.3	+0.1	25,355	24,828	24,913	23,797	+6.5
Blast furnaces, steel mills . . . . .	12,340	12,288	12,162	+0.4	+1.0	+0.9	12,416	12,106	12,030	11,451	+8.4
Iron and steel foundries . . . . .	1,599	1,592	1,595	+0.4	-0.2	+0.6	1,584	1,617	1,645	1,591	-0.4
Nonferrous and other primary metals . . . . .	11,325	11,149	11,191	+1.6	-0.4	-0.7	11,355	11,105	11,238	10,755	+5.6
Fabricated metal products . . . . .	32,628	32,247	32,040	+1.2	+0.6	+0.8	32,846	32,559	32,420	31,198	+5.3
Industrial machinery and equipment . . . . .	61,445	61,141	60,806	+0.5	+0.6	+0.6	61,484	60,446	61,807	59,753	+2.9
Engines and turbines . . . . .	4,815	4,699	4,620	+2.5	+1.7	+1.4	4,909	4,543	4,728	4,550	+7.9
Farm and garden machinery . . . . .	3,803	3,764	3,744	+1.0	+0.5	+0.8	3,468	3,507	3,566	3,261	+6.3
Construction, mining and material handling equipment . . . . .	8,807	8,759	8,782	+0.5	-0.3	-0.2	8,693	8,760	8,906	8,781	-1.0
Metalworking machinery . . . . .	8,188	8,289	8,128	-1.2	+2.0	+1.1	8,417	8,320	8,261	8,218	+2.4
Computer and office equipment . . . . .	8,596	8,487	8,487	+1.3	0.0	+1.6	8,837	8,320	8,949	8,916	-0.9
Electronic and other electrical equipment . . . . .	45,838	45,202	44,845	+1.4	+0.8	+1.1	46,449	45,217	45,959	41,832	+11.0
Electrical transmission and distribution equipment and industrial apparatus . . . . .	5,545	5,490	5,438	+1.0	+1.0	+0.9	5,525	5,384	5,449	5,226	+5.7
Household appliances . . . . .	2,677	2,634	2,586	+1.6	+1.9	+0.7	2,694	2,678	2,817	2,399	+12.3
Electric lighting and wiring equipment . . . . .	4,084	4,099	4,085	-0.4	+0.3	+1.9	4,174	4,163	4,182	3,664	+13.9
Household audio and video equipment . . . . .	1,134	1,172	1,139	-3.2	+2.9	+2.3	1,259	1,211	1,094	1,268	-0.7
Communications equipment . . . . .	11,860	11,821	11,672	+0.3	+1.3	+1.8	11,976	11,659	12,002	10,929	+9.6
Electronic components . . . . .	16,374	15,993	15,852	+2.4	+0.9	+0.5	16,495	16,042	16,259	14,552	+13.4
Transportation equipment . . . . .	69,296	69,166	69,204	+0.2	-0.1	-1.2	69,886	68,280	69,362	72,712	-3.9
Motor vehicles and parts . . . . .	18,745	18,510	18,458	+1.3	+0.3	+0.9	19,085	18,064	18,434	17,942	+6.4
Aircraft, missiles, space vehicles, and parts . . . . .	44,441	44,670	44,443	-0.5	+0.5	-2.2	44,631	44,229	44,501	48,611	-8.2
Shipbuilding and tanks . . . . .	2,435	2,486	2,482	-2.1	+0.2	+0.4	2,418	2,516	2,487	2,220	+8.9
Instruments and related products . . . . .	27,856	27,662	27,729	+0.7	-0.2	+0.8	28,264	27,712	28,103	27,276	+3.6
Search and navigation equipment . . . . .	6,720	6,744	6,793	-0.4	-0.7	-0.1	6,915	6,759	6,893	7,015	-1.4
Measuring and controlling devices . . . . .	8,960	8,806	8,798	+1.7	+0.1	+2.6	9,084	8,898	8,878	8,191	+10.9
Medical instruments and supplies . . . . .	9,043	9,014	9,056	+0.3	-0.5	-0.2	9,122	8,965	9,174	8,899	+2.5
Photographic goods . . . . .	2,400	2,378	2,365	+0.9	+0.5	+0.6	2,408	2,370	2,435	2,423	-0.6
All other durable goods . . . . .	30,850	30,593	30,330	+0.8	+0.9	+0.1	30,886	30,454	30,480	28,911	+6.8
Nondurable goods industries . . . . .	181,933	180,922	179,446	+0.6	+0.8	+0.5	181,949	180,182	180,204	171,525	+6.1
With unfilled orders . . . . .	42,140	42,002	41,726	+0.3	+0.7	+0.7	42,899	42,442	42,282	41,210	+4.1
Food and kindred products . . . . .	38,985	39,057	39,136	-0.2	-0.2	+0.1	37,759	37,504	37,986	36,946	+2.2
Meat products . . . . .	4,596	4,611	4,589	-0.3	+0.5	+0.7	4,603	4,692	4,704	4,304	+6.9
Dairy products . . . . .	3,902	3,900	3,886	+0.1	+0.4	+0.1	4,023	3,966	3,983	3,998	+0.6
Beverages . . . . .	8,811	8,800	8,751	+0.1	+0.6	0.0	8,575	8,700	8,755	8,459	+1.4
All other foods, except fats and oils . . . . .	20,149	20,192	20,328	-0.2	-0.7	+0.3	19,106	18,646	18,987	18,630	+2.6
Tobacco products . . . . .	5,341	5,381	5,293	-0.7	+1.7	-0.3	4,827	4,936	5,039	4,645	+3.9
Textile mill products . . . . .	10,414	10,391	10,311	+0.2	+0.8	+0.5	10,575	10,507	10,634	10,163	+4.1
Broadwoven fabrics and other textiles . . . . .	6,048	6,072	6,080	-0.4	-0.1	+0.1	6,096	6,084	6,231	6,167	-1.2
Paper and allied products . . . . .	17,232	16,999	16,884	+1.4	+0.7	+0.7	17,235	17,010	17,111	15,971	+7.9
Pulp, paper, and paperboard mill products . . . . .	6,815	6,688	6,585	+1.9	+1.6	+0.6	6,785	6,669	6,656	6,350	+6.9
Paperboard containers and boxes . . . . .	4,569	4,501	4,507	+1.5	-0.1	+2.9	4,584	4,484	4,529	3,981	+15.1
Miscellaneous converted paper products . . . . .	5,848	5,810	5,792	+0.7	+0.3	-0.9	5,866	5,857	5,926	5,640	+4.0
Chemicals and allied products . . . . .	50,117	49,230	48,471	+1.8	+1.6	+0.6	50,453	49,252	49,086	47,019	+7.3
Industrial chemicals . . . . .	20,793	20,506	20,074	+1.4	+2.2	+0.6	20,887	20,381	20,096	19,444	+7.4
Drugs, soaps, and toiletries . . . . .	23,421	22,772	22,463	+2.8	+1.4	+0.4	23,898	23,114	23,098	21,929	+9.0
Petroleum and coal products . . . . .	13,850	14,104	13,831	-1.8	+2.0	+1.2	13,981	14,338	14,230	11,275	+24.0
Rubber and plastics products . . . . .	18,559	18,376	18,282	+1.0	+0.5	+0.8	18,555	18,358	18,449	17,061	+8.8
All other nondurable goods . . . . .	27,435	27,384	27,238	+0.2	+0.5	+0.6	28,564	28,277	27,669	28,445	+0.4

<sup>p</sup> Preliminary. <sup>r</sup> 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 SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	June-July	May-June	Apr.-May	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	July 1999		July 00/99	2000 <sup>p</sup>
<b>SHIPMENTS</b>													
All manufacturing industries . . . . .	379,547	384,208	381,157	-1.2	+0.8	+2.2	341,490	412,589	380,276	320,282	+6.6	2,600,864	2,411,534
Market categories :													
Automotive equipment . . . . .	16,609	17,401	16,715	-4.6	+4.1	+4.3	10,106	18,678	17,370	10,180	-0.7	114,810	110,606
Home goods and apparel . . . . .	20,670	20,785	20,972	-0.6	-0.9	-1.1	19,213	21,567	19,930	18,725	+2.6	142,557	135,027
Consumer staples . . . . .	80,644	80,506	80,409	+0.2	+0.1	+1.8	78,250	83,721	80,022	71,795	+9.0	546,233	497,335
Machinery and equipment . . . . .	73,249	75,016	75,350	-2.4	-0.4	+3.7	61,563	85,476	74,115	57,136	+7.7	500,376	462,593
Business supplies . . . . .	28,423	28,471	28,220	-0.2	+0.9	+1.9	27,073	29,838	28,164	25,331	+6.9	193,670	181,063
Construction materials and supplies . . . . .	23,070	23,359	23,642	-1.2	-1.2	+1.5	22,525	25,186	24,005	23,137	-2.6	162,842	158,121
Defense products . . . . .	6,755	7,171	6,517	-5.8	+10.0	+0.4	5,990	7,792	6,285	6,022	-0.5	45,336	46,298
Other materials, supplies and intermediate products . . . . .	130,127	131,499	129,332	-1.0	+1.7	+2.1	116,770	140,331	130,385	107,956	+8.2	895,040	820,491
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	60,798	61,938	62,557	-1.8	-1.0	+3.5	53,610	72,107	60,034	48,646	+10.2	411,386	371,029
Excluding aircraft and parts . . . . .	53,989	53,548	53,144	+0.8	+0.8	+0.9	47,826	62,846	50,367	42,377	+12.9	358,514	314,221
Defense capital goods <sup>4</sup> . . . . .	6,600	7,050	6,230	-6.4	+13.2	-0.9	5,786	7,710	6,004	5,750	+0.6	43,660	44,543
Durables excluding capital goods . . . . .	146,148	148,657	146,103	-1.7	+1.7	+2.5	121,875	159,016	147,908	116,853	+4.3	1,004,901	949,415
Miscellaneous series :													
Producers' durable equipment . . . . .	138,169	141,232	140,158	-2.2	+0.8	+3.0	111,901	157,243	139,519	106,291	+5.3	947,140	891,774
Household durable goods . . . . .	11,231	11,161	11,235	+0.6	-0.7	-0.9	9,796	11,702	10,851	9,206	+6.4	76,112	70,083
Information technology industries . . . . .	32,699	32,059	32,353	+2.0	-0.9	+2.1	28,388	38,745	29,803	24,338	+16.6	211,975	178,562
Health care equipment and products . . . . .	13,971	13,737	14,004	+1.7	-1.9	+3.8	12,991	14,900	13,294	12,061	+7.7	93,261	88,520
<b>NEW ORDERS</b>													
All manufacturing industries . . . . .	377,594	408,087	387,906	-7.5	+5.2	+4.7	347,520	431,242	383,765	328,590	+5.8	2,652,306	2,421,859
Market categories :													
Automotive equipment . . . . .	16,655	17,306	16,746	-3.8	+3.3	+4.5	10,199	18,542	17,342	10,218	-0.2	114,824	110,684
Home goods and apparel . . . . .	20,583	20,486	21,066	+0.5	-2.8	-0.2	19,316	20,986	20,245	19,021	+1.6	143,271	136,009
Consumer staples . . . . .	80,545	80,392	80,454	+0.2	-0.1	+1.9	78,577	83,987	80,109	72,218	+8.8	546,730	498,217
Machinery and equipment . . . . .	75,054	83,800	73,879	-10.4	+13.4	+1.5	63,849	92,909	72,793	56,557	+12.9	518,406	457,453
Business supplies . . . . .	28,355	28,297	28,237	+0.2	+0.2	+1.5	27,243	29,711	28,456	25,580	+6.5	194,265	182,071
Construction materials and supplies . . . . .	23,252	23,102	23,714	+0.6	-2.6	+0.8	22,748	24,892	24,057	23,265	-2.2	163,863	159,079
Defense products . . . . .	6,055	20,696	7,497	-70.7	176.1	+35.0	4,699	22,812	5,106	5,475	-14.2	59,144	44,254
Other materials, supplies and intermediate products . . . . .	127,095	134,008	136,313	-5.2	-1.7	+9.4	120,889	137,403	135,657	116,256	+4.0	911,803	834,092
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	62,285	70,943	60,818	-12.2	+16.6	-1.1	55,376	79,963	58,333	47,804	+15.8	427,896	365,070
Excluding aircraft and parts . . . . .	55,531	57,636	53,635	-3.7	+7.5	-1.5	49,647	65,785	50,896	42,589	+16.6	371,410	317,128
Defense capital goods <sup>4</sup> . . . . .	5,869	20,678	7,151	-71.6	189.2	+29.9	4,320	22,823	4,700	5,066	-14.7	58,420	42,534
Durables excluding capital goods . . . . .	143,600	150,127	153,419	-4.3	-2.1	+9.9	126,985	154,483	153,743	125,670	+1.0	1,022,974	964,888
Miscellaneous series :													
Producers' durable equipment . . . . .	140,108	148,478	139,346	-5.6	+6.6	+2.0	115,089	162,328	138,759	106,225	+8.3	967,066	886,300
Household durable goods . . . . .	11,177	10,905	11,277	+2.5	-3.3	+0.8	9,993	11,185	11,018	9,557	+4.6	76,354	70,682
Information technology industries . . . . .	32,405	34,793	32,086	-6.9	+8.4	-0.1	28,258	41,194	30,029	24,636	+14.7	216,192	180,592
Health care equipment and products . . . . .	13,798	14,165	14,051	-2.6	+0.8	+6.8	13,124	14,915	13,286	12,524	+4.8	93,921	88,554

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

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

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

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

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

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 SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 00/99
	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	June- July	May- June	Apr.- May	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	July 1999	
<b>UNFILLED ORDERS</b>											
All manufacturing industries . . . . .	580,190	582,143	558,264	-0.3	+4.3	+1.2	584,133	578,103	559,450	523,311	+11.6
Market categories :											
Automotive equipment . . . . .	2,518	2,472	2,566	+1.9	-3.7	+1.2	2,500	2,407	2,543	2,474	+1.1
Home goods and apparel . . . . .	9,096	9,183	9,482	-0.9	-3.2	+1.0	9,322	9,219	9,800	9,293	+0.3
Consumer staples . . . . .	3,085	3,184	3,298	-3.1	-3.5	+1.4	3,563	3,236	2,969	3,145	+13.3
Machinery and equipment . . . . .	257,009	255,204	246,420	+0.7	+3.6	-0.6	257,223	254,937	247,504	235,429	+9.3
Business supplies . . . . .	7,370	7,439	7,613	-0.9	-2.3	+0.2	7,789	7,619	7,745	7,529	+3.5
Construction materials and supplies . . . . .	18,191	18,009	18,266	+1.0	-1.4	+0.4	18,388	18,165	18,459	18,198	+1.0
Defense products . . . . .	102,261	102,961	89,436	-0.7	+15.1	+1.1	102,891	104,182	89,162	88,871	+15.8
Other materials, supplies and and intermediate products . . . . .	180,660	183,691	181,183	-1.7	+1.4	+4.0	182,457	178,338	181,268	158,372	+15.2
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	273,544	272,057	263,052	+0.5	+3.4	-0.7	273,105	271,339	263,483	251,123	+8.8
Excluding aircraft and parts . . . . .	128,553	127,011	122,923	+1.2	+3.3	+0.4	128,114	126,293	123,354	109,484	+17.0
Defense capital goods <sup>4</sup> . . . . .	107,692	108,423	94,795	-0.7	+14.4	+1.0	108,400	109,866	94,753	93,704	+15.7
Durables excluding capital goods . . . . .	173,284	175,832	174,362	-1.4	+0.8	+4.4	175,617	170,507	175,040	152,718	+15.0
Miscellaneous series :											
Producers' durable equipment . . . . .	296,376	294,437	287,191	+0.7	+2.5	-0.3	296,452	293,264	288,179	274,030	+8.2
Household durable goods . . . . .	5,617	5,671	5,927	-1.0	-4.3	+0.7	5,688	5,491	6,008	5,760	-1.3
Information technology industries . . . . .	48,860	49,154	46,420	-0.6	+5.9	-0.6	49,064	49,194	46,745	41,146	+19.2
Health care equipment and products . . . . .	10,806	10,979	10,551	-1.6	+4.1	+0.5	10,734	10,601	10,586	9,659	+11.1
<b>TOTAL INVENTORIES</b>											
All manufacturing industries . . . . .	485,241	482,041	479,362	+0.7	+0.6	+0.3	487,283	479,830	483,500	466,518	+4.5
Market categories :											
Automotive equipment . . . . .	9,375	9,193	9,189	+2.0	0.0	+0.6	9,589	9,016	9,374	9,024	+6.3
Home goods and apparel . . . . .	32,880	32,491	32,114	+1.2	+1.2	+0.5	33,889	33,352	32,971	32,439	+4.5
Consumer staples . . . . .	79,315	78,923	78,367	+0.5	+0.7	+0.4	78,404	77,711	78,077	73,540	+6.6
Machinery and equipment . . . . .	116,288	115,334	115,328	+0.8	0.0	-0.4	116,685	113,971	117,074	117,099	-0.4
Business supplies . . . . .	29,428	29,476	29,252	-0.2	+0.8	+0.8	29,778	29,603	29,490	28,551	+4.3
Construction materials and supplies . . . . .	32,038	31,856	31,662	+0.6	+0.6	+0.4	32,203	31,991	32,010	29,585	+8.8
Defense products . . . . .	18,216	18,761	18,412	-2.9	+1.9	-0.6	18,523	18,870	18,478	18,710	-1.0
Other materials, supplies and and intermediate products . . . . .	167,701	166,007	165,038	+1.0	+0.6	+0.7	168,212	165,316	166,026	157,570	+6.8
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	107,038	106,155	106,067	+0.8	+0.1	-0.3	107,607	105,046	107,804	108,615	-0.9
Excluding aircraft and parts . . . . .	74,625	74,072	73,695	+0.7	+0.5	+0.8	75,257	73,465	75,377	72,516	+3.8
Defense capital goods <sup>4</sup> . . . . .	18,616	19,308	18,862	-3.6	+2.4	-0.2	18,927	19,416	18,909	19,022	-0.5
Durables excluding capital goods . . . . .	177,654	175,656	174,987	+1.1	+0.4	+0.5	178,800	175,186	176,583	167,356	+6.8
Miscellaneous series :											
Producers' durable equipment . . . . .	194,879	192,760	192,241	+1.1	+0.3	+0.1	196,354	191,599	194,757	191,124	+2.7
Household durable goods . . . . .	17,373	17,175	16,879	+1.2	+1.8	+0.7	17,762	17,390	17,226	16,634	+6.8
Information technology industries . . . . .	34,608	34,258	34,061	+1.0	+0.6	+1.7	35,207	34,006	35,052	33,393	+5.4
Health care equipment and products . . . . .	21,715	21,340	21,217	+1.8	+0.6	+0.2	22,048	21,471	21,674	20,766	+6.2

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				
	Monthly			Percent Change			Monthly				Percent change July 00/99
	July 2000 <sup>p</sup>	June 2000 <sup>f</sup>	May 2000	June- July	May- June	Apr.- May	July 2000 <sup>p</sup>	June 2000 <sup>f</sup>	May 2000	July 1999	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries . . . . .	162,534	161,655	161,126	+0.5	+0.3	+1.0	163,088	160,632	160,531	154,458	+5.6
Durable goods industries . . . . .	98,311	97,663	97,252	+0.7	+0.4	+1.1	98,933	96,721	96,680	93,582	+5.7
Stone, clay, and glass products . . . . .	3,394	3,400	3,355	-0.2	+1.3	+1.4	3,388	3,389	3,331	3,205	+5.7
Primary metals . . . . .	8,069	8,049	8,028	+0.2	+0.3	+0.5	8,075	7,903	7,773	7,412	+8.9
Fabricated metal products . . . . .	11,217	11,105	11,138	+1.0	-0.3	+1.7	11,257	11,102	11,037	10,579	+6.4
Industrial machinery and equipment Electronic and other	21,191	21,319	20,893	-0.6	+2.0	+2.9	21,320	21,259	21,035	20,090	+6.1
electrical equipment . . . . .	18,594	18,271	18,225	+1.8	+0.3	+0.7	18,939	18,109	18,280	16,793	+12.8
Transportation equipment . . . . .	15,093	14,719	15,028	+2.5	-2.1	-0.7	15,328	14,549	15,039	15,662	-2.1
Instruments and related products . . . . .	9,397	9,426	9,216	-0.3	+2.3	+1.5	9,462	9,469	9,238	9,117	+3.8
Lumber, furniture and miscellaneous durable goods . . . . .	11,356	11,374	11,369	-0.2	0.0	+0.6	11,164	10,941	10,947	10,724	+4.1
Nondurable goods industries . . . . .	64,223	63,992	63,874	+0.4	+0.2	+0.8	64,155	63,911	63,851	60,876	+5.4
Food and kindred products . . . . .	11,393	11,471	11,527	-0.7	-0.5	+0.4	11,208	11,385	11,419	11,342	-1.2
Tobacco products . . . . .	4,567	4,568	4,545	0.0	+0.5	+0.1	4,227	4,278	4,399	4,209	+0.4
Textile mill products . . . . .	3,017	2,928	2,893	+3.0	+1.2	+0.3	3,070	2,946	2,972	2,872	+6.9
Paper and allied products . . . . .	8,144	8,072	8,144	+0.9	-0.9	+1.3	8,103	8,020	8,127	7,668	+5.7
Chemicals and allied products . . . . .	16,174	16,005	15,943	+1.1	+0.4	+0.8	16,326	16,119	16,073	15,784	+3.4
Petroleum and coal products . . . . .	4,195	4,368	4,349	-4.0	+0.4	+2.9	4,199	4,467	4,469	3,288	+27.7
Rubber and plastics products . . . . .	7,719	7,636	7,517	+1.1	+1.6	+0.8	7,771	7,588	7,481	6,968	+11.5
Apparel, printing and publishing and leather goods . . . . .	9,014	8,944	8,956	+0.8	-0.1	+0.7	9,251	9,108	8,911	8,745	+5.8
<b>WORK IN PROCESS</b>											
All manufacturing industries . . . . .	145,496	145,323	145,104	+0.1	+0.2	-0.6	146,308	144,146	146,129	147,799	-1.0
Durable goods industries . . . . .	113,563	113,876	114,240	-0.3	-0.3	-0.7	114,340	112,992	115,370	117,417	-2.6
Stone, clay, and glass products . . . . .	1,647	1,632	1,640	+0.9	-0.5	-1.6	1,666	1,653	1,697	1,486	+12.1
Primary metals . . . . .	8,778	8,721	8,614	+0.7	+1.2	+0.1	8,890	8,689	8,678	8,283	+7.3
Fabricated metal products . . . . .	9,431	9,355	9,272	+0.8	+0.9	+0.8	9,538	9,403	9,351	9,062	+5.3
Industrial machinery and equipment Electronic and other	20,726	20,693	20,816	+0.2	-0.6	-0.8	20,806	20,471	21,172	21,890	-5.0
electrical equipment . . . . .	14,114	14,096	13,979	+0.1	+0.8	+0.1	14,237	14,303	14,369	14,232	0.0
Transportation equipment . . . . .	42,644	43,281	43,631	-1.5	-0.8	-1.9	42,655	42,341	43,592	46,821	-8.9
Instruments and related products . . . . .	10,225	10,103	10,316	+1.2	-2.1	+0.8	10,489	10,107	10,490	10,185	+3.0
Lumber, furniture and miscellaneous durable goods . . . . .	5,998	5,995	5,972	+0.1	+0.4	+0.4	6,059	6,025	6,021	5,458	+11.0
Nondurable goods industries . . . . .	31,933	31,447	30,864	+1.5	+1.9	-0.1	31,968	31,154	30,759	30,382	+5.2
Food and kindred products . . . . .	6,519	6,557	6,578	-0.6	-0.3	+1.0	5,976	6,102	6,131	5,636	+6.0
Tobacco products . . . . .	83	84	83	-1.2	+1.2	-17.0	74	71	71	78	-5.1
Textile mill products . . . . .	2,469	2,530	2,551	-2.4	-0.8	+0.6	2,486	2,516	2,584	2,491	-0.2
Paper and allied products . . . . .	1,831	1,812	1,748	+1.0	+3.7	+0.9	1,842	1,838	1,757	1,670	+10.3
Chemicals and allied products . . . . .	9,794	9,120	8,802	+7.4	+3.6	-1.0	10,083	9,242	9,049	9,314	+8.3
Petroleum and coal products . . . . .	3,321	3,356	3,223	-1.0	+4.1	-2.6	3,299	3,344	3,302	2,636	+25.2
Rubber and plastics products . . . . .	2,298	2,301	2,306	-0.1	-0.2	+0.5	2,274	2,253	2,285	2,280	-0.3
Apparel, printing and publishing and leather goods . . . . .	5,618	5,687	5,573	-1.2	+2.0	+0.8	5,934	5,788	5,580	6,277	-5.5
<b>FINISHED GOODS</b>											
All manufacturing industries . . . . .	177,211	175,063	173,132	+1.2	+1.1	+0.4	177,887	175,052	176,840	164,261	+8.3
Durable goods industries . . . . .	91,434	89,580	88,424	+2.1	+1.3	+0.3	92,061	89,935	91,246	83,994	+9.6
Stone, clay, and glass products . . . . .	5,090	5,047	5,019	+0.9	+0.6	-1.7	5,110	5,110	5,224	4,823	+6.0
Primary metals . . . . .	8,417	8,259	8,306	+1.9	-0.6	-0.2	8,390	8,236	8,462	8,102	+3.6
Fabricated metal products . . . . .	11,980	11,787	11,630	+1.6	+1.3	-0.2	12,051	12,054	12,032	11,557	+4.3
Industrial machinery and equipment Electronic and other	19,528	19,129	19,097	+2.1	+0.2	-0.2	19,358	18,716	19,600	17,773	+8.9
electrical equipment . . . . .	13,130	12,835	12,641	+2.3	+1.5	+2.9	13,273	12,805	13,310	10,807	+22.8
Transportation equipment . . . . .	11,559	11,166	10,545	+3.5	+5.9	+1.4	11,903	11,390	10,731	10,229	+16.4
Instruments and related products . . . . .	8,234	8,133	8,197	+1.2	-0.8	0.0	8,313	8,136	8,375	7,974	+4.3
Lumber, furniture and miscellaneous durable goods . . . . .	13,496	13,224	12,989	+2.1	+1.8	-0.5	13,663	13,488	13,512	12,729	+7.3
Nondurable goods industries . . . . .	85,777	85,483	84,708	+0.3	+0.9	+0.6	85,826	85,117	85,594	80,267	+6.9
Food and kindred products . . . . .	21,073	21,029	21,031	+0.2	0.0	-0.3	20,575	20,017	20,436	19,968	+3.0
Tobacco products . . . . .	691	729	665	-5.2	+9.6	-0.7	526	587	569	358	+46.9
Textile mill products . . . . .	4,928	4,933	4,867	-0.1	+1.4	+0.7	5,019	5,045	5,078	4,800	+4.6
Paper and allied products . . . . .	7,257	7,115	6,992	+2.0	+1.8	-0.1	7,290	7,152	7,227	6,633	+9.9
Chemicals and allied products . . . . .	24,149	24,105	23,726	+0.2	+1.6	+1.1	24,044	23,891	23,964	21,921	+9.7
Petroleum and coal products . . . . .	6,334	6,380	6,259	-0.7	+1.9	+2.2	6,483	6,527	6,459	5,351	+21.2
Rubber and plastics products . . . . .	8,542	8,439	8,459	+1.2	-0.2	+1.0	8,510	8,517	8,683	7,813	+8.9
Apparel, printing and publishing and leather goods . . . . .	12,803	12,753	12,709	+0.4	+0.3	+0.5	13,379	13,381	13,178	13,423	-0.3

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

See notes 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 <sup>1</sup>			
	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	Apr. 2000	July 2000 <sup>p</sup>	June 2000 <sup>r</sup>	May 2000	Apr. 2000
All manufacturing industries . . . . .	1.28	1.25	1.26	1.28	2.67	2.64	2.56	2.58
Durable goods industries . . . . .	1.42	1.38	1.40	1.43	3.11	3.08	2.98	3.01
Stone, clay, and glass products . . . . .	1.15	1.14	1.12	1.13	0.75	0.75	0.75	0.76
Primary metals . . . . .	1.58	1.56	1.56	1.57	1.94	1.94	1.96	1.99
Fabricated metal products . . . . .	1.59	1.56	1.54	1.55	1.30	1.30	1.30	1.31
Industrial machinery and equipment . . . . .	1.39	1.45	1.43	1.41	2.14	2.21	2.15	2.11
Electronic and other electrical equipment . . . . .	1.12	1.09	1.11	1.14	2.49	2.52	2.44	2.35
Transportation equipment . . . . .	1.46	1.32	1.39	1.50	9.86	8.63	8.42	9.22
Instruments and related products . . . . .	1.88	1.78	1.85	1.89	3.28	3.14	3.18	3.26
Nondurable goods industries . . . . .	1.10	1.09	1.08	1.09	0.65	0.65	0.66	0.66
Food and kindred products . . . . .	0.91	0.92	0.92	0.92	(X)	(X)	(X)	(X)
Tobacco products . . . . .	1.19	1.25	1.13	1.22	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.60	1.59	1.60	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.18	1.17	1.15	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.35	1.34	1.31	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.70	0.69	0.73	0.75	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.28	1.25	1.24	1.26	(X)	(X)	(X)	(X)

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

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

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

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July <sup>1</sup> 2000	July <sup>2</sup> 1995-1999	July 1999-June 2000	July <sup>1</sup> 2000	July <sup>2</sup> 1995-1999	July 1999-June 2000	July <sup>1</sup> 2000	July <sup>2</sup> 1995-1999	July 1999-June 2000	July <sup>1</sup> 2000	July <sup>2</sup> 1995-1999	July 1999-June 2000
All manufacturing industries . . . . .	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries . . . . .	0.0	0.2	0.2	0.0	0.3	0.5	0.0	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products . . . . .	(X)	0.3	0.5	(X)	0.9	0.3	(X)	0.8	0.3	(X)	0.1	0.6
Primary metals . . . . .	-0.2	0.2	0.3	-0.2	0.5	0.8	0.0	0.2	0.3	(X)	0.0	0.2
Fabricated metal products . . . . .	(X)	0.2	0.3	(X)	0.2	0.4	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment . . . . .	1.1	0.3	0.5	1.2	0.2	0.6	0.0	0.1	0.3	(X)	0.1	0.1
Electronic and other electrical equipment . . . . .	-0.1	0.6	0.4	-0.4	1.1	1.8	-0.1	0.7	0.8	(X)	0.1	0.2
Transportation equipment . . . . .	-0.1	0.8	0.5	-0.1	0.8	1.2	0.0	0.1	0.2	(X)	0.2	0.1
Instruments and related products . . . . .	(X)	0.5	0.7	(X)	1.2	1.2	(X)	0.3	0.3	(X)	0.1	0.1
Nondurable goods industries . . . . .	(X)	0.0	0.1	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.1	0.1
Food and kindred products . . . . .	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products . . . . .	(X)	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products . . . . .	(X)	0.4	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products . . . . .	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products . . . . .	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products . . . . .	(X)	0.1	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6
Rubber and plastics products . . . . .	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2
Capital goods industries :												
Nondefense . . . . .	0.6	0.2	0.3	0.1	0.4	0.7	-0.1	0.1	0.2	(X)	0.1	0.1
Defense . . . . .	0.8	0.8	0.7	0.4	2.9	5.6	0.0	0.2	0.3	(X)	0.2	0.2

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

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

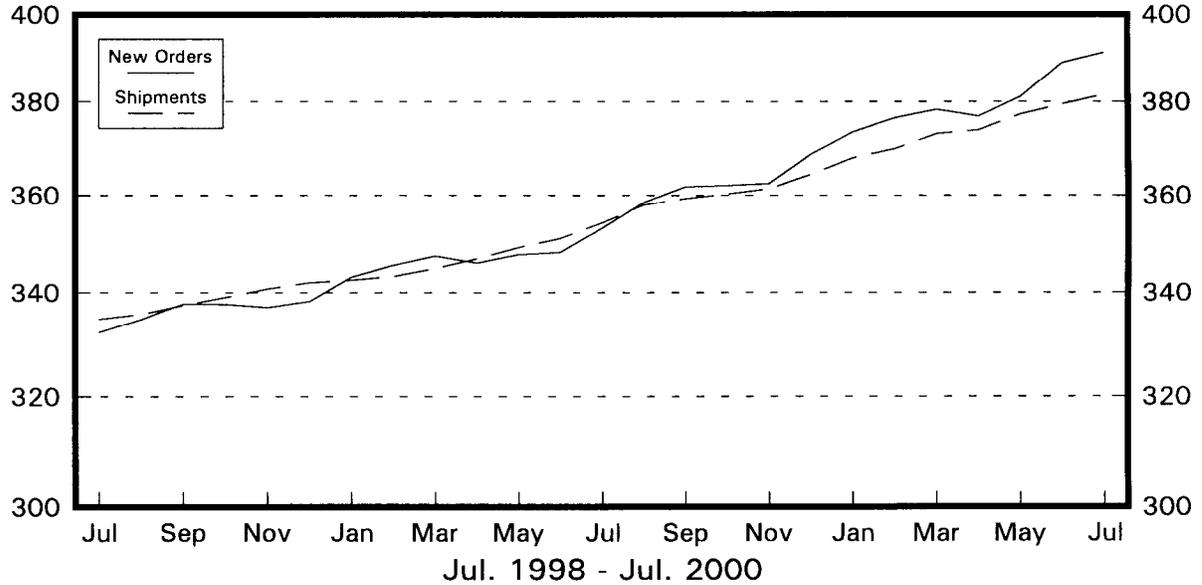
<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

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

## Total Manufacturing

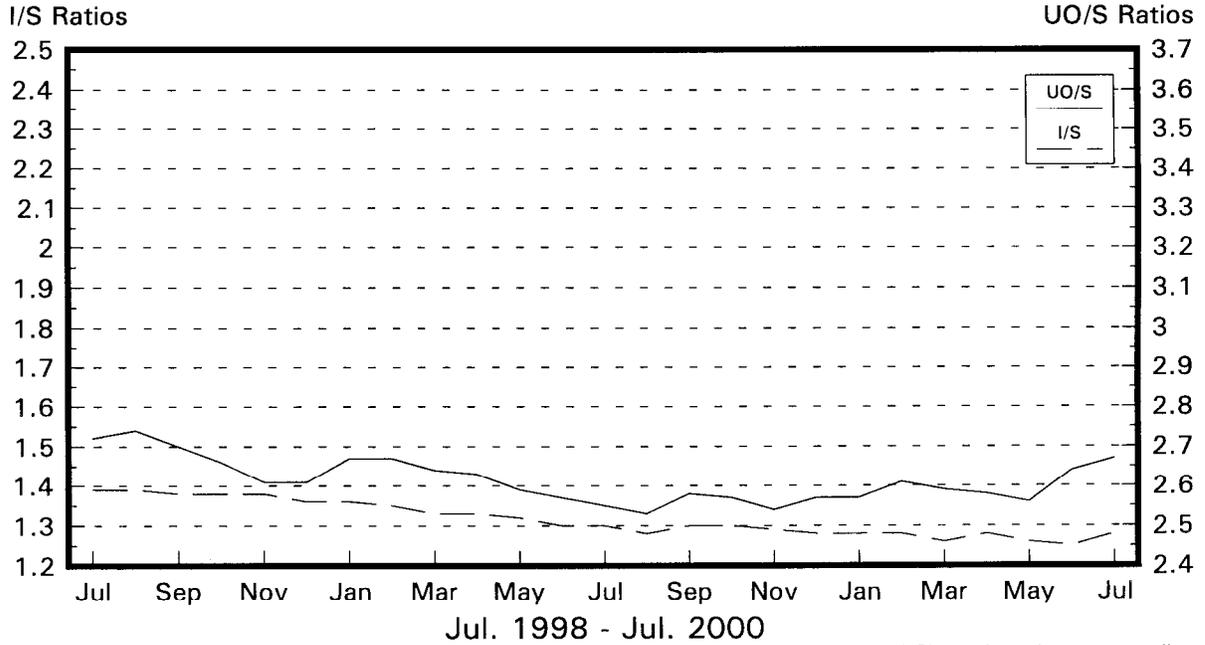
### New Orders and Shipments Three Month Moving Averages

Billions of Dollars



## Total Manufacturing

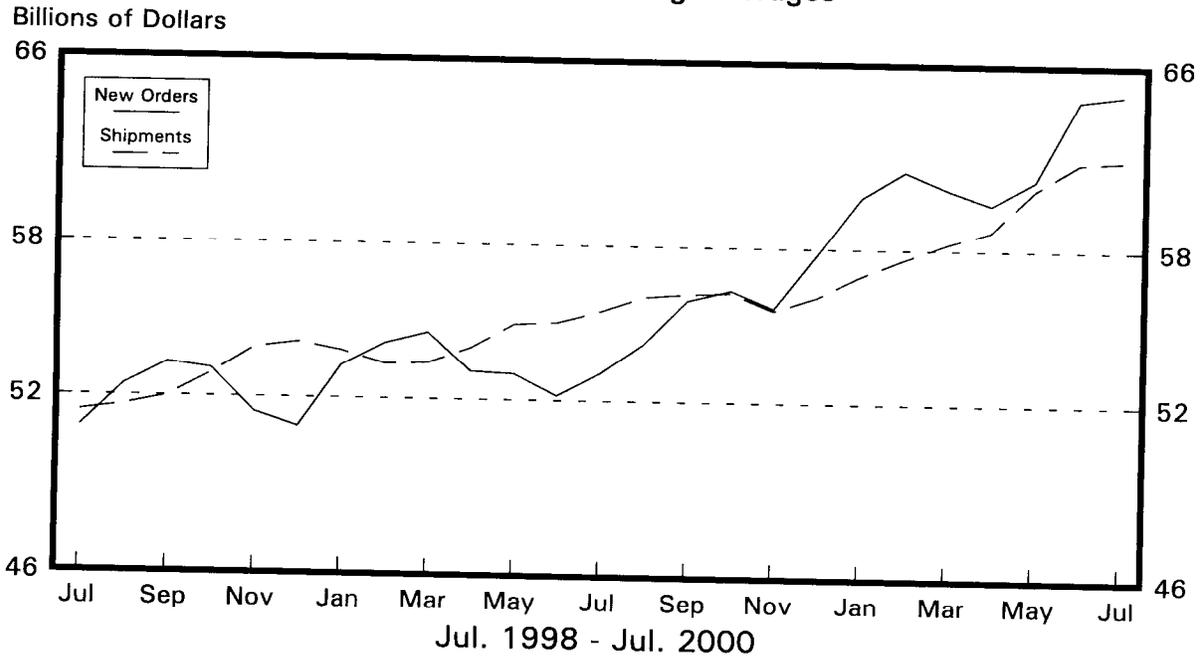
### Ratio of Unfilled Orders and Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

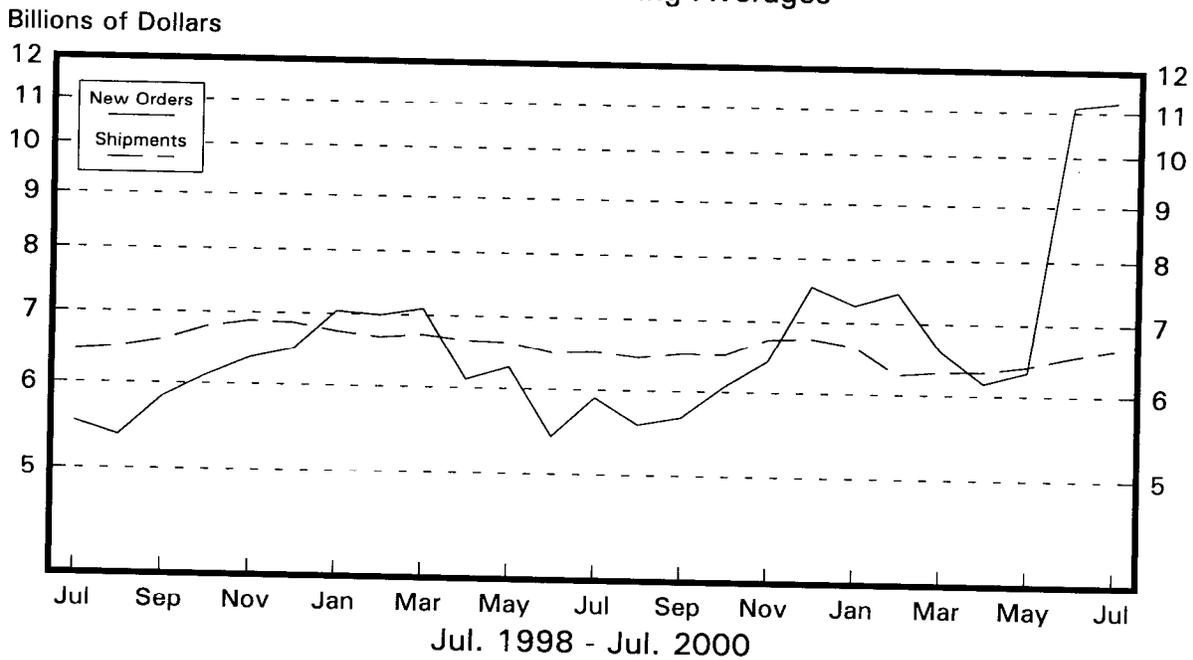
# Nondefense Capital Goods

New Orders and Shipments  
Three Month Moving Averages



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.