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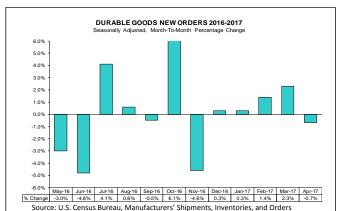
MONTHLY ADVANCE REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS APRIL 2017

Release Number: CB 17-73 M3-1 (17)-04

May 26, 2017 — The U.S. Census Bureau announces the April advance report on manufacturers'

shipments, inventories and orders:





New Orders

New orders for manufactured durable goods in April decreased \$1.6 billion or 0.7 percent to \$231.2 billion, the U.S. Census Bureau announced today. This decrease, down following four consecutive monthly increases, followed a 2.3 percent March increase. Excluding transportation, new orders decreased 0.4 percent. Excluding defense, new orders decreased 0.8 percent. Transportation equipment, down following two consecutive monthly increases, led the decrease, \$1.0 billion or 1.2 percent to \$78.5 billion.

Shipments

Shipments of manufactured durable goods in April, down three of the last four months, decreased \$0.7 billion or 0.3 percent to \$233.0 billion. This followed a 0.1 percent March decrease. Transportation equipment, down six of the last seven months, led the decrease, \$0.4 billion or 0.5 percent to \$77.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, up two consecutive months, increased \$2.4 billion or 0.2 percent to \$1,122.9 billion. This followed a 0.3 percent March increase. Transportation equipment, also up two consecutive months, led the increase, \$1.3 billion or 0.2 percent to \$766.6 billion.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

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Inventories

Inventories of manufactured durable goods in April, up nine of the last ten months, increased \$0.6 billion or 0.1 percent to \$394.2 billion. This followed a 0.2 percent March increase. Fabricated metal products, up three of the last four months, led the increase, \$0.3 billion or 0.6 percent to \$48.4 billion.

Capital Goods

Nondefense new orders for capital goods in April decreased \$1.4 billion or 1.9 percent to \$70.4 billion. Shipments decreased \$0.4 billion or 0.5 percent to \$69.7 billion. Unfilled orders increased \$0.7 billion or 0.1 percent to \$697.3 billion. Inventories decreased \$1.2 billion or 0.7 percent to \$176.7 billion. Defense new orders for capital goods in April increased \$0.4 billion or 4.2 percent to \$10.2 billion. Shipments increased \$0.2 billion or 1.7 percent to \$10.2 billion. Unfilled orders decreased less than \$0.1 billion or virtually unchanged to \$141.7 billion. Inventories increased \$0.7 billion or 3.0 percent to \$22.3 billion.

Revised and Recently Benchmarked March Data

Revised seasonally adjusted March figures for all manufacturing industries were: new orders, \$468.9 billion (revised from \$467.7 billion); shipments, \$469.9 billion (revised from \$470.5 billion); unfilled orders, \$1,120.5 billion (revised from \$1,119.0 billion) and total inventories, \$648.5 billion (revised from \$648.3 billion).

Revised and more detailed estimates, plus nondurable goods data, will be published on June 5, 2017, at 10:00 a.m. EDT. The Advance Report on durable goods for May is scheduled for release on June 26, 2017 at 8:30 a.m. EDT. View the full schedule in the Economic Briefing Room:<www.census.gov/economicindicators/>. The full text and tables of this release can be found at <www.census.gov/m3>.

EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

"Virtually unchanged" indicates that the change is less than 0.05 percent for a percent increase or decrease.

Description of the survey

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). Data published from the M3 survey are based on a panel of approximately 5,000 reporting units that represent approximately 3,100 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large

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homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-tomonth changes of the total operations of the reporting units in the M3 panel effectively represent the monthto-month movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 64 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 57 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication. Additional survey documentation can be found on our web site: <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Benchmark notice

Revised historical data from the Manufacturers' Shipments, Inventories, and Orders (M3) Survey were issued on May 18, 2017. These revisions result from:

- benchmarking the M3 shipments and inventories data to the 2015 Annual Survey of Manufactures (ASM) and revised 2014 ASM data on a 2012 NAICS basis;
- incorporating the unfilled orders to shipments ratios obtained from the 2015/2014 Manufacturers' Unfilled Orders (M3UFO) Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years by applying them to the respective ASM data;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- updating the seasonally adjusted data based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

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These revisions spanned the seasonally adjusted data for January 2002 through March 2017 and the data not seasonally adjusted for January 2007 through March 2017. An updated Press Release contains revised monthly tables for January 2017 through March 2017. Please call M3 staff on (301) 763-4832 with any questions.

America's Economy Mobile App

The America's Economy app provides real-time updates for 19 key economic indicators released from the Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis.

<www.census.gov/mobile/economy/>

API

The Census Bureau's application programming interface (API) lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.www.census.gov/developers/



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Table 1. Durable Goods Manufacturers' Shipments and New Orders ¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

[Estimates are shown in millions of dollar	rs and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.] Seasonally Adjusted Not Seasonally Adjusted											
	Monthly			Percent Change			Monthly			Year to Date		
ltem	Apr 2017 ²	Mar 2017 ^r	Feb 2017	Mar - Apr ²	Feb - Mar ^r	Jan - Feb	Apr 2017 ²	Mar 2017 ^r	Apr 2016	2017	2016	Percent Change 2017/2016
DURABLE GOODS												
Total:												
Shipments	232,979	233,675	233,895	-0.3	-0.1	0.4	225,177	257,240	224,333		893,844	
New Orders ⁴	231,168	232,735	227,461	-0.7	2.3	1.4	221,346	259,916	221,432	898,739	879,169	2.2
Excluding transportation:												
Shipments	155,765	156,069	156,042	-0.2	0.0	0.7	151,835	167,268	148,258	603,097	583,535	3.4
New Orders ⁴	152,653	153,250	151,986	-0.4	0.8	0.3	150,530	167,713	145,502	603,262	580,916	3.8
Excluding defense:	000 000	004 450	004 447	0.0	0.0	0.4	044.044	0.40.000	044700	004 754	050 770	4.0
Shipments New Orders ⁴	220,896 218,381	221,450 220,076	221,447 217,624	-0.3 -0.8	0.0 1.1	0.1 1.9	214,241 209,582	242,963 244,016	214,796 209,698	861,754 852,366	850,772 832,337	1.3 2.4
	210,001	220,070	217,024	0.0		1.5	200,002	244,010	200,000	002,000	002,007	2.4
Manufacturing with unfilled orders: Shipments	164,123	164,534	164,247	-0.2	0.2	0.8	157,277	181,660	153,838	635,726	617,534	2.9
New Orders	166,529	167,965	162,384	-0.2	3.4	2.0	157,552	188,284	155,132		619,082	4.1
Primary metals:												
Shipments	18,937	19,057	18,960	-0.6	0.5	0.3	18,875	20,438	17,679	75,968	69,848	8.8
New Orders	19,243	19,289	19,220	-0.2	0.4	2.8	19,158	20,699	17,751	77,765	71,684	8.5
Fabricated metal products:												
Shipments	31,183	31,190	31,156	0.0	0.1	0.8	30,608	32,720	29,500	120,953	114,470	5.7
New Orders	31,889	32,177	30,590	-0.9	5.2	-1.9	31,781	34,861	30,050	126,113	117,921	6.9
Machinery:												
Shipments New Orders	30,798 30,703	30,691 30,948	30,459 30,726	0.3 -0.8	0.8 0.7	1.2 0.2	30,760 31,055	34,667 34,908	30,346 29,706		120,662 121,629	-0.2 2.6
	30,703	30,940	30,720	-0.0	0.7	0.2	31,033	34,900	29,700	124,700	121,029	2.0
Computers and electronic products ⁴ : Shipments	26,330	26,395	26,821	-0.2	-1.6	-0.7	23,875	28,620	23,266	100,118	95,374	5.0
New Orders	22,229	21,913	22,419	1.4	-2.3	-0.7	20,419	25,565	20,216		83,174	2.9
	,	,	,			***			,			
Computers and related products: Shipments	1,999	1,916	2,106	4.3	-9.0	2.3	1,575	2,415	1,627	6,995	7,121	-1.8
New Orders	2,015	1,919	2,165	5.0	-11.4	4.9	1,591	2,418	1,623	7,079	7,093	
Communications equipment:												
Shipments	2,954	3,014	2,957	-2.0	1.9	0.1	2,537	3,508	2,463	10,804	10,401	3.9
New Orders	3,141	3,015	3,258	4.2	-7.5	-0.5	3,004	3,626	2,853	12,585	11,846	6.2
Electrical equipment, appliances,												
and components:												
Shipments New Orders	10,093 10,164	10,155 10,345	10,055 10,225	-0.6 -1.7	1.0 1.2	1.4 2.2	9,645 9,566	10,820 11,132	9,584 9,518	38,412 39,983	37,987 39,751	1.1 0.6
Transportation equipment:		·										
Shipments	77,214	77,606	77,853	-0.5	-0.3	-0.2	73,342	89,972	76,075		310,309	-1.7
New Orders	78,515	79,485	75,475	-1.2	5.3	3.6	70,816	92,203	75,930	295,477	298,253	-0.9
Motor vehicles and parts:												
Shipments	53,588 53,692	53,329 53,530	53,741 54,110	0.5 0.3	-0.8	-0.7 -0.2	52,149 51,760	60,596 60,722	54,534 53,823	214,690 215,393	218,325 217,184	-1.7 -0.8
New Orders	55,092	33,330	34,110	0.3	-1.1	-0.2	31,760	00,722	33,023	210,393	217,104	-0.0
Nondefense aircraft and parts: Shipments	11,247	11,597	11,298	-3.0	2.6	-4.3	9,620	14,328	10,696	42,242	44,896	-5.9
New Orders	11,482	12,651	10,967	-9.2	15.4	41.9	6,477	15,320	9,522	32,382	32,250	0.4
Defense aircraft and parts:	,	,					*,	,	*,*==	,	,	
Shipments	3,799	3,974	3,989	-4.4	-0.4	12.4	3,234	4,994	2,823	14,265	14,586	-2.2
New Orders	5,352	4,995	3,495		42.9	-0.2	5,152	5,919	4,962		17,898	
All other durable goods:												
Shipments	38,424	38,581	38,591	-0.4	0.0	1.1	38,072	40,003	37,883	147,189	145,194	1.4
New Orders	38,425	38,578	38,806	-0.4	-0.6	1.1	38,551	40,548	38,261	149,046	146,757	1.6
Capital goods ³ :												
Shipments	79,897	80,077	79,997	-0.2	0.1	1.0	75,027	90,705	74,385			
New Orders	80,613	81,558	77,944	-1.2	4.6	2.3	73,942	94,940	77,054	305,885	303,147	0.9
Nondefense capital goods:												
Shipments	69,668	70,018	69,525	-0.5	0.7	0.3	65,604	79,160	66,242			-0.6
New Orders	70,417	71,771	70,423	-1.9	1.9	4.2	64,595	82,083	66,450	268,720	262,604	2.3
Excluding aircraft:												
Shipments	62,570	62,614	62,470	-0.1	0.2	1.2	59,794	69,846	59,708		241,199	
New Orders	62,855	62,850	62,826	0.0	0.0	0.1	61,007	71,541	60,068	250,875	247,738	1.3
Defense capital goods:												
Shipments	10,229 10,196	10,059 9,787	10,472 7 521	1.7 4.2	-3.9 30.1	6.0 -12.7	9,423 9,347	11,545 12,857	8,143 10,604			
New Orders	10,196	9,767	7,521	4.2	30.1	-12.7	9,547	12,00/	10,004	37,165	40,543	-0.3

^r Revised data due to late receipts and concurrent seasonal adjustment.

Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Based on advance sample. 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. For further details on survey design, methodology, and data limitations, see http://www.cosnus.gov/manufacturing/m3.

ntp://www.census.gov/manuracturing/ms.

3 The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; electrical equipment; electrical equipment; electrical equipment; electrical equipment; electronical institutional furniture; and medical equipment and supplies. Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats; and search and navigation equipment.

ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories 1

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

LESTIMATES are snown in millions of dollars a	and are based on data from the Manufacturers' Shipments, Inventories, an Seasonally Adjusted							Not Seasonally Adjusted				
	Monthly			•	ercent Chan	ge		Percent				
Item	Apr 2017 ²	Mar 2017 ^r	Feb 2017	Mar - Apr ²	Feb - Mar ^r	Jan - Feb	Apr 2017 ²	Mar 2017 ^r	Apr 2016	2017/ 2016		
DURABLE GOODS												
Total:												
Unfilled Orders ⁴ Total Inventories	1,122,947 394,232	1,120,541 393,680	1,117,110 392,721	0.2 0.1	0.3 0.2		1,131,438 396,718	1,131,163 393,056	1,145,485 392,414	-1.2 1.1		
Excluding transportation:												
Unfilled Orders ⁴ Total Inventories	356,327 264,976	355,222 264,355	353,670 263,098	0.3 0.2	0.4 0.5		362,854 266,488	360,053 263,541	352,416 259,270	3.0 2.8		
Excluding defense:												
Unfilled Orders ⁴	945,163 367,581	943,461 367,723	940,464 366,381	0.2 0.0	0.3 0.4	0.1 0.2	951,492 370,003	952,045 367,068	965,461 366,125	-1.4 1.1		
Manufacturing with unfilled orders:												
Unfilled Orders Total Inventories	1,122,947 320,567	1,120,541 320,320	1,117,110 319,828	0.2 0.1	0.3 0.2	-0.2 0.3	1,131,438 322,708	1,131,163 319,563	1,145,485 320,601	-1.2 0.7		
Primary metals: Unfilled Orders Total Inventories	29,965 32,482	29,659 32,316	29,427 32,053	1.0 0.5	0.8 0.8		30,739 32,527	30,456 32,182	29,415 30,712	4.5 5.9		
Fabricated metal products:		,										
Unfilled Orders Total Inventories	77,024 48,404	76,318 48,137	75,331 48,161	0.9 0.6	1.3 0.0		78,419 48,838	77,246 48,431	77,343 48,031	1.4 1.7		
Machinery:												
Unfilled Orders	98,352 67,354	98,447 67,297	98,190 66,729	-0.1 0.1	0.3 0.9		99,980 67,658	99,685 67,094	99,892 66,082	0.1 2.4		
Computers and electronic products ⁴ :												
Unfilled Orders Total Inventories	117,649 44,257	117,533 44,119	117,644 44,024	0.1 0.3	-0.1 0.2	0.1 0.4	119,383 44,579	118,733 43,371	114,852 43,848	3.9 1.7		
Computers and related products:	44,207	44,110	44,024	0.0	0.2	0.4	44,070	40,071	40,040	1.,		
Unfilled Orders	1,773 4,416	1,757 4,437	1,754 4,397	0.9 -0.5	0.2 0.9	3.5 0.8	1,773 4,370	1,757 4,161	1,651 4,018	7.4 8.8		
Communications equipment: Unfilled Orders Total Inventories	26,945 4,638	26,758 4,570	26,757 4,583	0.7 1.5	0.0 -0.3	1.1 1.7	27,554 4,611	27,087 4,516	24,930 4,584	10.5 0.6		
Electrical equipment, appliances,												
and components: Unfilled Orders Total Inventories	22,763 17,394	22,692 17,461	22,502 17,242	0.3 -0.4	0.8 1.3		23,208 17,644	23,287 17,397	20,606 17,302	12.6 2.0		
Transportation equipment:	17,004	17,401	17,242	0.4	1.0	0.4	17,044	17,007	17,002	2.0		
Unfilled Orders	766,620 129,256	765,319 129,325	763,440 129,623	0.2 -0.1	0.2 -0.2		768,584 130,230	771,110 129,515	793,069 133,144	-3.1 -2.2		
Motor vehicles and parts:												
Unfilled Orders Total Inventories	23,462 34,099	23,358 33,923	23,157 33,872	0.4 0.5	0.9 0.2		23,603 34,222	23,992 33,965	23,170 34,594	1.9 -1.1		
Nondefense Aircraft and parts: Unfilled Orders	573,732	573.497	572,443	0.0	0.2	-0.1	573,919	577,062	597,647	-4.0		
Total Inventories	66,739	67,708	67,633	-1.4	0.2	0.2	67,674	67,926	70,845			
Defense Aircraft and parts: Unfilled Orders Total Inventories	73,597 12,885	72,044 12,098	71,023 12,221	2.2 6.5	1.4 -1.0		74,608 12,892	72,690 12,060	70,396 12,305	6.0 4.8		
All other durable goods:												
Unfilled Orders	10,574 55,085	10,573 55,025	10,576 54,889	0.0 0.1	0.0 0.2		11,125 55,242	10,646 55,066	10,308 53,295	7.9 3.7		
Capital goods ³ :												
Unfilled Orders	838,962 198,966	838,246 199,543	836,765 198,951	0.1 -0.3	0.2 0.3		844,314 200,144	845,399 198,812	859,973 199,708	-1.8 0.2		
Nondefense capital goods: Unfilled Orders	697,290	696,541	694,788	0.1	0.3	0.1	700,674	701,683	713,318	-1.8		
Total Inventories	176,711	177,942	177,075	-0.7	0.5		177,832	177,142	178,515			
Excluding aircraft: Unfilled Orders	225,486	225,201	224,965	0.1	0.1	0.2	229,219	228,006	223,203			
Total Inventories	121,682	121,849	121,034	-0.1	0.7	0.3	121,841	120,653	119,116	2.3		
Defense capital goods: Unfilled Orders	141,672 22,255	141,705 21.601	141,977 21.876	0.0 3.0			143,640 22,312	143,716 21.670	146,655 21,193	-2.1 5.3		
Total Inventories	141,672 22,255	141,705 21,601	141,977 21,876	0.0 3.0	-0.2 -1.3		143,640 22,312	143,716 21,670	146,655 21,193			

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The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery there and generators; other nower transmission equipment; pumps and compressors; material.

rine capital coops industries include Nonderlense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery wending, laundry, and other machinery; photographic equipment machinery; the machinery is computer transmission equipment; cumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies. Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.