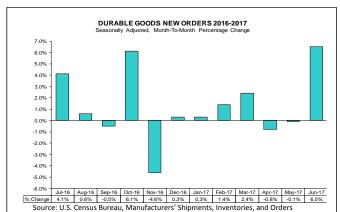
FOR RELEASE AT 8:30 AM EDT, THURSDAY, JULY 27, 2017

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

Release Number: CB 17-118 M3-1 (17)-06

July 27, 2017 — The U.S. Census Bureau announces the June advance report on manufacturers' shipments, inventories and orders:





New Orders

New orders for manufactured durable goods in June increased \$14.9 billion or 6.5 percent to \$245.6 billion, the U.S. Census Bureau announced today. This increase, up following two consecutive monthly decreases, followed a 0.1 percent May decrease. Excluding transportation, new orders increased 0.2 percent. Excluding defense, new orders increased 6.7 percent. Transportation equipment, also up following two consecutive monthly decreases, led the increase, \$14.6 billion or 19.0 percent to \$91.6 billion.

Shipments

Shipments of manufactured durable goods in June, down three of the last four months, decreased \$0.1 billion or virtually unchanged to \$236.0 billion. This followed a 1.2 percent May increase. Transportation equipment, down five of the last six months, drove the decrease, \$0.4 billion or 0.6 percent to \$78.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in June, up three of the last four months, increased \$14.2 billion or 1.3 percent to \$1,135.6 billion. This followed a 0.1 percent May decrease. Transportation equipment, also up three of the last four months, led the increase, \$12.8 billion or 1.7 percent to \$776.8 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 June, up eleven of the last twelve months, increased \$1.6 billion or 0.4 percent to \$397.0 billion. This followed a 0.1 percent May increase. Machinery, up seven of the last eight months, led the increase, \$0.8 billion or 1.2 percent to \$68.3 billion.

Capital Goods

Nondefense new orders for capital goods in June increased \$14.7 billion or 21.0 percent to \$84.6 billion. Shipments increased \$0.3 billion or 0.4 percent to \$70.9 billion. Unfilled orders increased \$13.8 billion or 2.0 percent to \$709.8 billion. Inventories increased \$1.0 billion or 0.6 percent to \$177.6 billion. Defense new orders for capital goods in June increased \$0.4 billion or 3.8 percent to \$9.7 billion. Shipments decreased \$0.2 billion or 2.2 percent to \$10.0 billion. Unfilled orders decreased \$0.3 billion or 0.2 percent to \$140.3 billion. Inventories increased less than \$0.1 billion or 0.1 percent to \$22.5 billion.

Revised May Data

Revised seasonally adjusted May figures for all manufacturing industries were: new orders, \$466.8 billion (revised from \$464.9 billion); shipments, \$472.3 billion (revised from \$471.5 billion); unfilled orders, \$1,121.4 billion (revised from \$1,120.2 billion) and total inventories, \$648.4 billion (revised from \$648.9 billion).

Revised and more detailed estimates, plus nondurable goods data, will be published on August 3, 2017, at 10:00 a.m. EDT. The Advance Report on durable goods for July is scheduled for release on August 25, 2017 at 8:30 a.m. EDT. View the full schedule in the Economic Briefing

Room:<www.census.gov/economic-indicators/>. 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

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the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large 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>.

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.]

Part	Estimates are shown in millions of dollar	ers and are based on data from the Manufacturers' Shipments, Invento Seasonally Adjusted											
Description					-								
Performance Company	ltem		May		May -	Apr -	Mar -		May		2017		Change
September 26,000 200,144 200,500 0.6 0.1 0.0 200,000 201,0	DURABLE GOODS												
September 26,000 200,144 200,500 0.6 0.1 0.0 200,000 201,0	Total:												
Exclusing formaportalization 157,241 156,014 156,015 156,026 0.2 0.6 0.4 161,105 161,106 0.05,000 0.06,077 4.0 0.05,000 0.06,077 4.0 0.05,000 0.06,077 4.0 0.05,000 0.06,077 4.0 0.05,000 0.06,077 4.0 0.0 0.05,000 0.06,077 4.0 0.05,000		236,029	236,144	233,336	0.0	1.2	-0.2	257,700	243,050	247,098	1,409,202	1,368,451	3.0
Symments	New Orders ⁴	245,568	230,684	230,986	6.5	-0.1	-0.8	266,932	232,160	232,844	1,398,411	1,331,278	5.0
Symments	Excluding transportation:												
Exercised colorest Primary metals:	_ · · · · · · · · · · · · · · · · · · ·	157,241	156,914	155,935	0.2	0.6	-0.1	170,600	161,295	161,748	935,350	895,617	4.4
Segment 223.087 223.087 223.081 223.081 223.081 223.082 233.062 233.	New Orders ⁴	153,943	153,679	152,746	0.2	0.6	-0.4	165,192	158,132	155,793	926,836	883,298	4.9
New Orders 19,000	Excluding defense:												
Manufacturing with writtled orders: 160,077 164,162 164,416 .0.4 .1.1 .0.1 192,365 .171,104 .173,388 .680,882 .951,281 .7.2		223,939	223,861	221,265	0.0	1.2	-0.1		231,256			1,301,798	
Separate 166,647 16,1582 164,148 -0.1 1.1 -0.1 1.2,255 17,176 173,338 986,826 561,281 4.0	New Orders ⁴	233,967	219,375	218,413	6.7	0.4	-0.8	252,255	223,340	219,971	1,328,546	1,264,344	5.1
New Crists 160,746 160,146 166,286 92 0.7 -1.1 195,541 163,756 165,000 1,004,622 59,618 7.2	Manufacturing with unfilled orders:												
Primary metals: 1923 1938 19.072 -0.5 1.2 0.0 20.446 20.506 18.613 117.315 106.366 10.5													
Separents	New Orders	180,274	165,146	166,284	9.2	-0.7	-1.1	195,541	163,755	163,020	1,004,422	936,818	7.2
New Orders													
Pabricated metal products: 31,000 31,077 31,086 32,086 32,086 32,086 32,086 32,086 33,086 30,082 30,082 30,082 30,082 30,082 30,082 30,082 30,082 30,083 30,082													
Shipments		19,412	19,389	19,408	0.1	-0.1	0.2	20,275	20,104	18,177	118,472	107,567	10.1
New Orders	•	04.000	04 707	04.470	0.0	4.7	0.0	04.457	00.440	04.077	400 400	470.000	
Machinary: 30,029 30,042 30,774 0.0 0.5 0.2 34,015 32,291 32,296 190,800 190,704 5.6													
Shipments		02,000	02,102	01,000	0.7	0.5	1.0	00,000	04,140	00,000	104,007	173,000	0.2
New Orders		20.020	20.042	20 774	0.0	0.5	0.3	24.015	22 201	22.226	106 722	102 004	2.1
Computers and electronic products Sipments 26.549 26.387 26.310 0.6 0.3 0.3 29.380 24.921 28.355 154,503 147,642 4.6 New Orders 22.006 22.007 22.133 0.3 0.3 0.3 24.982 20.951 25.194 131.445 123.385 1.6													
Shipments 28,548 28,387 28,310 0.6 0.3 0.3 28,380 24,821 28,355 15,4533 147,642 4.6		01,021	01,002	00,000	0.2	2.0	0.0	00,000	02,022	00,002	100,000	100,701	0.0
New Orders		26 540	26 387	26 310	0.6	0.3	-0.3	20 380	24 021	28 355	15/1 503	147 642	16
Computers and related products: Sipinents 1,003 1,952 1,983 2.5 1.6 3.5 2,773 1,715 2,811 11,474 11,732 2.2													
Shipments		22,000	22,011	22,100	0.0	0.0		21,002	20,001	20,101	101,110	120,000	1.0
New Orders		1 003	1 052	1 083	-2.5	-1.6	3.5	2 773	1 715	2 811	11 474	11 732	-22
Communications equipment:													
Shipments		,-	,	,,,,,	-			,-	,		,,,,	,	
New Orders		2.975	2.986	2.954	-0.4	1.1	-2.0	3.672	2.863	3.646	17.339	16.798	3.2
And Components:													
And Components:	Flectrical equipment, appliances												
Shipments													
Transportation equipment: Shipments	Shipments												
Shipments		10,026	10,201	10,112	-1.7	0.9	-2.2	10,899	10,306	10,777	61,128	60,402	1.2
New Orders		70 700	70 220	77 404	0.0	2.4	0.0	07.100	04.755	05.250	472.052	472.024	0.0
Motor vehicles and parts: Shipments													
Shipments		01,020	11,000	7 0,2 10	10.0			101,710	. 1,020	77,001	,	117,000	0.0
New Orders	-	5/1181	54 536	53 621	-0.7	1 7	0.6	58 504	57.064	56 792	330 218	327 630	0.8
Nondefense aircraft and parts: Shipments													
Shipments													
New Orders 25,328 10,953 11,113 131.2 -1.4 -12.2 28,430 7,049 7,578 67,856 51,812 31.0	-	12,047	11,938	11,319	0.9	5.5	-2.4	14,485	11,801	14,863	68,542	72,393	-5.3
Shipments		25,328	10,953	11,113	131.2	-1.4	-12.2	28,430	7,049	7,578	67,856	51,812	31.0
Shipments	Defense aircraft and parts:												
New Orders		4,094	4,085	3,823	0.2	6.9	-3.8	4,854	3,947	4,510	23,072	22,856	0.9
All other durable goods: Shipments		3,517	3,528	5,372	-0.3	-34.3	7.5	4,632	2,917	5,113	25,024	25,187	-0.6
Shipments													
Capital goods³: 80,894 80,854 80,080 0.0 1.0 0.0 90,515 81,282 87,536 477,766 469,048 1.9 New Orders	=	38,480	38,417	38,458	0.2	-0.1	-0.3	41,665	40,203	40,510	229,086	224,166	2.2
Shipments	New Orders	38,506	38,304	38,396	0.5	-0.2	-0.4	41,477	40,304	40,327	230,844	225,901	2.2
Shipments	Capital goods ³ :												
Nondefense capital goods: Shipments		80,894	80,854	80,080	0.0	1.0	0.0	90,515	81,282	87,536	477,766	469,048	1.9
Shipments	New Orders	94,348	79,292	80,029	19.0	-0.9	-1.9	104,943	73,772	78,105	484,717	454,480	6.7
Shipments	Nondefense capital goods:												
Excluding aircraft: Shipments	Shipments	70,850	70,587	69,868	0.4	1.0	-0.2	79,595	71,362	77,249	417,899	414,659	0.8
Shipments	New Orders	84,626	69,924	70,041	21.0	-0.2	-2.4	92,877	66,644	69,550	428,365	399,316	7.3
Shipments	Excluding aircraft:												
New Orders		63,049	62,953	62,722	0.2	0.4	0.2	70,037	63,680	67,220	375,145	369,183	1.6
Shipments	· · · · · · · · · · · · · · · · · · ·												2.8
Shipments	Defense capital goods:												
		10,044	10,267	10,212	-2.2	0.5	1.5	10,920	9,920	10,287	59,867	54,389	10.1
						-6.2		12,066	7,128				2.2

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.

²Based 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.census.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.

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.]

[Estimates are shown in millions of dollars a	ind are based	on data froi	Seasonally	nd Orders Survey.] Not Seasonally Adjusted						
		Monthly	Ocasonan		ercent Chan	ge		Percent		
ltem	Jun 2017 ²	May 2017 ^r	Apr 2017	May - Jun ²	Apr - May ^r	Mar - Apr	Jun 2017 ²	May 2017 ^r	Jun 2016	2017/ 2016
DURABLE GOODS										
Total:										
Unfilled Orders ⁴ Total Inventories	1,135,639 396,988	1,121,412 395,379	1,122,428 394,856	1.3 0.4	-0.1 0.1	0.2 0.2	1,137,472 394,108	1,124,286 398,868	1,129,474 385,298	0.7 2.3
Excluding transportation:	358.829	257 420	250 220	0.4	0.0	0.0	361,670	202 424	240.000	2.0
Unfilled Orders ⁴ Total Inventories	267,910	357,439 266,159	356,230 265,309	0.4 0.7	0.3 0.3	0.3 0.3	266,894	363,124 268,459	349,203 256,534	3.6 4.0
Excluding defense:										
Unfilled Orders ⁴ Total Inventories	959,491 370,122	944,775 368,516	944,817 368,015	1.6 0.4	0.0 0.1	0.1 0.0	959,258 367,194	947,339 371,854	952,929 359,561	0.7 2.1
Manufacturing with unfilled orders:										
Unfilled Orders Total Inventories	1,135,639 322,923	1,121,412 321,680	1,122,428 321,217	1.3 0.4	-0.1 0.1	0.2 0.2	1,137,472 320,928	1,124,286 324,807	1,129,474 314,069	0.7 2.2
Primary metals: Unfilled Orders Total Inventories	29,974 33,064	29,855 32,983	29,859 32,802	0.4 0.2	0.0 0.6	0.8 1.3	30,099 32,795	30,272 32,931	28,782 30,389	4.6 7.9
Fabricated metal products:	77.040	77.450	77.040	0.0	0.0	0.0	70.450	70.440	77.004	0.5
Unfilled Orders Total Inventories	77,918 49,297	77,458 48,762	77,013 48,452	0.6 1.1	0.6 0.6	0.9 0.6	79,158 49,262	79,449 49,093	77,201 47,609	2.5 3.5
Machinery:	00.007	00.440	00.500	0.7	0.0	0.4	00.700	400 400	00.705	2.0
Unfilled Orders Total Inventories	99,837 68,286	99,142 67,507	98,522 67,446	0.7 1.2	0.6 0.1	0.1 0.2	99,786 67,855	100,108 68,291	96,735 65,164	3.2 4.1
Computers and electronic products ⁴ : Unfilled Orders	117,843	117,698	117,570	0.1	0.1	0.0	118.371	118.815	115,282	2.7
Total Inventories	44,388	44,310	44,167	0.2	0.3	0.1	44,160	45,058	43,209	2.2
Computers and related products:										
Unfilled Orders Total Inventories	1,816 4,313	1,772 4,341	1,773 4,394	2.5 -0.6	-0.1 -1.2	0.9 -1.0	1,816 4,260	1,772 4,476	1,650 3,995	10.1 6.6
Communications equipment: Unfilled Orders Total Inventories	27,045 4,635	26,957 4,655	26,927 4,636	0.3 -0.4	0.1 0.4	0.6 1.4	27,226 4,565	27,285 4,720	25,112 4,526	8.4 0.9
Electrical equipment, appliances,										
and components: Unfilled Orders Total Inventories	22,835 17,574	22,890 17,417	22,757 17,385	-0.2 0.9	0.6 0.2	0.3 -0.4	23,230 17,652	23,266 17,723	20,723 16,966	12.1 4.0
Transportation equipment:	,0	,	17,000	0.0	0.2	0.1	17,002	.,,,20	10,000	
Unfilled Orders	776,810 129,078	763,973 129,220	766,198 129,547	1.7 -0.1	-0.3 -0.3	0.1 0.1	775,802 127,214	761,162 130,409	780,271 128,764	-0.6 -1.2
Motor vehicles and parts:										
Unfilled Orders Total Inventories	23,880 34,222	23,737 34,448	23,595 34,229	0.6 -0.7	0.6 0.6		23,652 33,338	24,043 34,366	22,598 34,512	4.7 -3.4
Nondefense Aircraft and parts: Unfilled Orders	585,587	572,306	573,291	2.3	-0.2	0.0	583,093	569,148	589,712	-1.1
Total Inventories	66,389	66,204	66,749	0.3	-0.8		65,538	67,531	67,318	-2.6
Defense Aircraft and parts: Unfilled Orders Total Inventories	72,459 12,731	73,036 12,830	73,593 12,893	-0.8 -0.8	-0.8 -0.5		73,352 12,689	73,574 12,883	69,415 11,453	5.7 10.8
All other durable goods:										
Unfilled Orders Total Inventories	10,422 55,301	10,396 55,180	10,509 55,057	0.3 0.2	-1.1 0.2	-0.6 0.1	11,026 55,170	11,214 55,363	10,480 53,197	5.2 3.7
Capital goods ³ :	050.441	836.660	000.000		2 -		851.128	000 700	045.70	
Unfilled Orders Total Inventories	850,114 200,069	199,013	838,222 199,246	1.6 0.5	-0.2 -0.1	0.0 -0.2	199,103	836,700 201,645	845,704 195,030	0.6 2.1
Nondefense capital goods: Unfilled Orders	709,825	696,049	696,712	2.0	-0.1	0.0	709,155	695,873	703,593	0.8
Total Inventories	177,596	176,555	176,809	0.6	-0.1	-0.7	176,540	179,089	174,202	1.3
Excluding aircraft: Unfilled Orders	226,381	226,014	225,496	0.2	0.2	0.1	227,784	228,944	220,252	3.4
Total Inventories	122,623	121,777	121,713	0.7	0.1	-0.1	122,082	123,118	117,975	3.5
Defense capital goods: Unfilled Orders	140,289	140,611	141,510	-0.2	-0.6	-0.2	141,973	140,827	142,111	-0.1
Total Inventories	22,473	22,458	22,437	0.1	0.1	3.5	22,563	22,556	20,828	8.3

Revised data due to late receipts and concurrent seasonal adjustment.

Revised data due to late receipts and concurrent seasonal adjustment.

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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.census.gov/manufacturing/m3.

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 vending, laundry, and other machinery; photographic equipment machinery; trubing and generators; other power transmission equipment gumps 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.