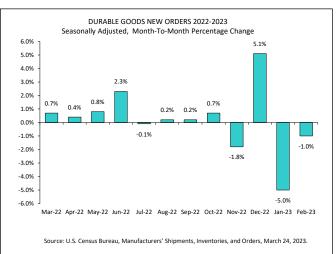
FOR RELEASE AT 8:30 AM EDT, FRIDAY, MARCH 24, 2023

MONTHLY ADVANCE REPORT ON DURABLE GOODS MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS FEBRUARY 2023

Release Number: CB 23-41 M3-1 (23)-02

March 24, 2023 — The U.S. Census Bureau announces the February advance report on durable goods manufacturers' shipments, inventories and orders:





New Orders

New orders for manufactured durable goods in February, down three of the last four months, decreased \$2.6 billion or 1.0 percent to \$268.4 billion, the U.S. Census Bureau announced today. This followed a 5.0 percent January decrease. Excluding transportation, new orders were virtually unchanged. Excluding defense, new orders decreased 0.5 percent. Transportation equipment, also down three of the last four months, drove the decrease, \$2.6 billion or 2.8 percent to \$89.4 billion.

Shipments

Shipments of manufactured durable goods in February, down two consecutive months, decreased \$1.5 billion or 0.6 percent to \$274.8 billion. This followed a 0.4 percent January decrease. Transportation equipment, also down two consecutive months, led the decrease, \$1.3 billion or 1.4 percent to \$90.1 billion.

Data Inquiries

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

eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



Unfilled Orders

Unfilled orders for manufactured durable goods in February, down two consecutive months, decreased \$1.2 billion or 0.1 percent to \$1,155.4 billion. This followed a virtually unchanged January decrease. Transportation equipment, down following twenty-one consecutive monthly increases, led the decrease, \$0.7 billion or 0.1 percent to \$683.8 billion.

Inventories

Inventories of manufactured durable goods in February, up twenty-four of the last twenty-five months, increased \$0.9 billion or 0.2 percent to \$493.6 billion. This followed a 0.2 percent January decrease. Transportation equipment, up three of the last four months, led the increase, \$0.6 billion or 0.4 percent to \$158.8 billion.

Capital Goods

Nondefense new orders for capital goods in February decreased \$1.0 billion or 1.2 percent to \$82.0 billion. Shipments decreased \$0.5 billion or 0.6 percent to \$83.2 billion. Unfilled orders decreased \$1.2 billion or 0.2 percent to \$662.6 billion. Inventories increased \$0.5 billion or 0.2 percent to \$218.8 billion. Defense new orders for capital goods in February decreased \$1.2 billion or 7.4 percent to \$14.5 billion. Shipments decreased \$0.2 billion or 1.6 percent to \$14.6 billion. Unfilled orders decreased \$0.2 billion or 0.1 percent to \$188.9 billion. Inventories increased \$0.1 billion or 0.3 percent to \$23.3 billion.

Revised January Data

Revised seasonally adjusted January figures for all manufacturing industries were: new orders, \$540.2 billion (revised from \$542.8 billion); shipments, \$545.6 billion (revised from \$547.8 billion); unfilled orders, \$1,156.6 billion (revised from \$1,157.0 billion) and total inventories, \$806.9 billion (revised from \$808.3 billion).

Revised and more detailed estimates, plus nondurable goods data, will be published on April 4, 2023, at 10:00 a.m. EDT. The Advance Report on durable goods for March is scheduled for release on April 26, 2023, at 8:30 a.m. EDT. View the full schedule in the Economic Briefing Room:

<<u>www.census.gov/economic-indicators/</u>>. The full text and tables of this release can be found at <<u>www.census.gov/m3</u>>.

EXPLANATORY NOTES

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

Data Inquiries

Media Inquiries

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

Public Information Office 301-763-3030

eid.m3.qs@census.gov





"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-inprocess, 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 monthto-month change for 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-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-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 60 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census, and these companies include roughly 61 percent of the manufacturing companies with \$500 million or more in shipments in the 2017 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 51 percent of the total value of shipments for manufacturing establishments in the 2017 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>.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832 eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



Benchmark notice

Revised historical data from the Manufacturers' Shipments, Inventories, and Orders (M3) Survey will be issued on May 12, 2023. These revisions result from

- Benchmarking the M3 shipments and inventories data to the 2021 and 2020 Annual Survey of Manufactures (ASM) data;
- Incorporating the unfilled orders to shipments ratios obtained for 2021, 2020, and 2019 from the Manufacturers' Unfilled Orders (M3UFO) Survey;
- 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.

These revisions will span the seasonally adjusted data for January 2012 through March 2023 and the data not seasonally adjusted for January 2017 through March 2023. An updated Press Release will contain revised monthly tables for January 2023 through March 2023.

RESOURCES

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/>

FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App < https://fred.stlouisfed.org/fred-mobile/> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St.

Louis, now incorporates the Census Bureau's 13 economic indicators.

###

Data Inquiries

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

eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



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 de	lollars 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		
Item	Feb 2023 ²	Jan 2023 ^r	Dec 2022	Jan - Feb ²	Dec- Jan ^r	Nov - Dec	Feb 2023 ²	Jan 2023 ^r	Feb 2022	2023	2022	Percent Change 2023/2022
DURABLE GOODS												
Total:												
Shipments	274,778	276,322	277,490	-0.6	-0.4	0.4	255,553	249,122	244,095	504,675	475,467	6.1
New Orders ⁴	268,387	270,963	285,249	-1.0	-5.0	5.1	252,707	249,969	250,105	502,676	492,597	2.0
Excluding transportation:												
Shipments	184,630	184,890	183,721	-0.1	0.6	-0.2	170,965	169,051	167,098	340,016	328,559	3.5
New Orders ⁴	178,957	178,954	178,205	0.0	0.4	-0.4	168,653	167,642	166,701	336,295	330,022	1.9
		•						·	•			
Excluding defense: Shipments	257,935	259,223	260,289	-0.5	-0.4	0.2	239,424	234,861	228,753	474,285	447,020	6.1
New Orders ⁴	251,472	252,712	267,653	-0.5	-5.6	5.6	236,852	235,273	235,234	472,125	466,534	1.2
	,	/	,							,	,	
Manufacturing with unfilled orders:												
Shipments	189,541	189,972	190,801	-0.2	-0.4	0.3	176,550	171,488	169,425	348,038	330,565	5.3
New Orders	188,385	189,921	203,876	-0.8	-6.8	7.0	178,552	178,152	179,991	356,704	357,445	-0.2
Primary metals:												
Shipments	20,270	20,210	19,940	0.3	1.4	-0.4	19,517	19,801	19,444	39,318	38,894	1.1
New Orders	20,220	20,150	19,943	0.3	1.0	-0.6	20,097	20,258	20,094	40,355	40,522	-0.4
Fabricated metal products:												
Shipments	36,432	36,364	36,407	0.2	-0.1	-0.1	34,202	34,124	34,080	68,326	67,567	1.1
New Orders	36,168	36,039	36,157	0.4	-0.3	-0.4	34,802	34,905	35,126	69,707	69,979	-0.4
Machinery:												
Shipments	38,437	38,540	38,246	-0.3	0.8	-1.0	36,214	34,663	34,639	70,877	67,167	5.5
New Orders	38,261	38,436	38,163	-0.5	0.7	-2.1	37,045	37,088	36,502	74,133	72,226	2.6
Computers and electronic products ⁴ :												
Shipments	29,534	29,554	29,539	-0.1	0.1	-0.2	26,437	26,819	25,527	53,256	50,844	4.7
New Orders	24,174	24,192	24,141	-0.1	0.2	-0.7	21,443	20,977	20,845	42,420	41,621	1.9
Computers and related products:												
Computers and related products: Shipments	2,352	2,390	2,272	-1.6	5.2	-0.6	1,826	2,131	1,445	3,957	2,985	32.6
New Orders	2,344	2,410	2,268	-2.7	6.3	0.0	1,818	2,151	1,441	3,969	2,969	33.7
	_,	_,	_,				-,	_,	-,	5,555	_,,,,,	
Communications equipment:	2 100	2.146	2.166	1.7	0.6	4.7	2.622	2.400	2.700	F 440	F 244	2.6
Shipments New Orders	3,198 3,126	3,146 3,142	3,166 3,211	1.7 -0.5	-0.6 -2.1	-1.7 3.8	2,633 2,640	2,486 2,454	2,700 2,729	5,119 5,094	5,311 5,491	-3.6 -7.2
New Orders	3,120	3,142	3,211	-0.5	-2.1	3.0	2,040	2,434	2,723	3,034	3,491	-7.2
Electrical equipment, appliances,												
and components:	14 100	14,253	12.720	-0.5	2.7	0.0	13,017	12 500	11,909	25.547	22,887	11.5
Shipments New Orders	14,183 14,347	14,233	13,738 13,920	1.0	3.7 2.1	0.0	13,504	12,500 13,087	12,480	25,517 26,591	24,115	11.5 10.3
Transportation equipment:	,-	,	-,-	-			.,	.,	,	,,,,,	,	
Shipments	90,148	91,432	93,769	-1.4	-2.5	1.7	84,588	80,071	76,997	164,659	146,908	12.1
New Orders	89,430	92,009	107,044	-2.8	-14.0	15.8	84,054	82,327	83,404	166,381	162,575	2.3
		•					·	·	•			
Motor vehicles and parts: Shipments	61,442	62,093	62,306	-1.0	-0.3	0.8	59,130	56,310	53,795	115,440	102,887	12.2
New Orders	61,609	62,143	62,161	-0.9	0.0	0.6	59,994	56,658	54,525	116,652	104,092	12.1
Nondefense aircraft and parts:		•						·				
Shipments	12,217	12,586	14,570	-2.9	-13.6	3.4	9,664	9,834	8,371	19,498	16,587	17.5
New Orders	11,238	12,037	27,559	-6.6	-56.3	105.6	8,501	11,162	14,025	19,663	32,521	-39.5
	11,230	12,037	27,333	0.0	50.5	103.0	0,501	11,102	14,023	13,003	32,321	33.3
Defense aircraft and parts:	5 500	5 750	5 505	2.0			5.054	4 707	5 400	0.700	0.240	
Shipments	5,532	5,758	5,696	-3.9	1.1 2.6	5.0	5,061	4,727	5,109	9,788	9,249	5.8 27.2
New Orders	5,376	6,048	5,896	-11.1	2.0	20.1	4,556	5,543	4,935	10,099	7,937	27.2
All other durable goods:												
Shipments	45,774	45,969	45,851	-0.4	0.3	0.5	41,578	41,144	41,499	82,722	81,200	1.9
New Orders	45,787	45,927	45,881	-0.3	0.1	0.9	41,762	41,327	41,654	83,089	81,559	1.9
Capital goods ³ :												
Shipments	97,821	98,550	100,220	-0.7	-1.7	0.8	89,341	85,982	84,690	175,323	163,823	7.0
New Orders	96,434	98,605	114,303	-2.2	-13.7	14.7	88,888	90,119	92,605	179,007	184,538	-3.0
Nondefense capital goods:												
Shipments	83,198	83,696	85,164	-0.6	-1.7	0.1	75,192	73,548	71,191	148,740	138,778	7.2
New Orders	81,984	82,993	99,115	-1.2	-16.3	17.6	75,435	77,667	79,509	153,102	161,510	-5.2
		, , , , , ,	-, -	_			-,	,	-,	,		
Excluding aircraft:												
Shipments	75,336	75,312	74,649	0.0	0.9	-0.6	69,824	67,790	66,491	137,614	129,370	6.4
New Orders	75,162	75,027	74,768	0.2	0.3	-0.2	71,270	70,678	69,086	141,948	136,128	4.3
Defense capital goods:												
Shipments	14,623	14,854	15,056	-1.6	-1.3	5.1	14,149	12,434	13,499	26,583	25,045	6.1
New Orders	14,450	15,612	15,188	-7.4	2.8	-1.3	13,453	12,452	13,096	25,905	23,028	12.5

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

¹ 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.

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.

nonreporting. Since the survey panel is not a probability sample, estimates or sampling error cannot be actual to a probability sample, estimates or sampling error cannot be actual to a probability sample, estimates or sampling error cannot be expected and a part of the capture of the captu

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.

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 dollar	Janu ure paser	. on data non	Seasonally	Not Seasonally Adjusted						
		Monthly		F	Percent Chang	е	Monthly			Percent
ltem	Feb	Jan	Dec	Jan -	Dec -	Nov -	Feb	Jan	Feb	2023/
	2023 ²	2023 ^r	2022	Feb ²	Jan ^r	Dec	2023 ²	2023 ^r	2022	2022
DURABLE GOODS										
Total:										
Unfilled Orders ⁴	1,155,433	1,156,589	1,156,640	-0.1	0.0	1.1	1,161,701	1,159,699	1,101,481	5.5
Total Inventories	493,554	492,636	493,533	0.2	-0.2	0.7	495,350	490,949	474,388	4.4
Excluding transportation:										
Unfilled Orders ⁴	471,656	472,094	472,722	-0.1	-0.1	0.0	472,693	470,157	467,585	1.1
Total Inventories	334,797	334,464	334,903	0.1	-0.1	0.5	336,434	333,771	319,820	5.2
Excluding defense:										
Unfilled Orders ⁴	938,224	939,452	940,655	-0.1	-0.1	1.4	943,970	941,694	892,077	5.8
Total Inventories	466,232	465,384	466,511	0.2	-0.2	0.7	468,155	463,921	448,623	4.4
Manufacturing with unfilled orders:										
Unfilled Orders Total Inventories	1,155,433	1,156,589	1,156,640	-0.1	0.0	1.1	1,161,701	1,159,699	1,101,481	5.5
	396,204	395,528	396,372	0.2	-0.2	1.0	396,511	393,786	379,611	4.5
Primary metals: Unfilled Orders Total Inventories	30,446	30,496	30,556	-0.2	-0.2	0.0	31,097	30,517	31,873	-2.4
	38,521	38,386	38,464	0.4	-0.2	0.5	38,673	38,556	38,515	0.4
Fabricated metal products:										
Unfilled Orders Total Inventories	116,651	116,915	117,240	-0.2	-0.3	-0.2	115,491	114,891	116,382	-0.8
	62,123	62,225	62,373	-0.2	-0.2	0.0	62,294	62,166	61,389	1.5
Machinery: Unfilled Orders	133,011	133,187	133,291	-0.1	-0.1	-0.1	134,266	133,435	129,981	3.3
Total Inventories	88,923	88,662	88,379	0.3	0.3	1.5	89,378	87,714	79,903	11.9
Computers and electronic products ⁴ : Unfilled Orders Total Inventories	139,888	140,013	140,067	-0.1	0.0	-0.1	140,078	140,224	139,529	0.4
	53,084	53,083	53,211	0.0	-0.2	0.2	53,077	52,936	51,242	3.6
Computers and related products:										
Unfilled Orders Total Inventories	1,189	1,197	1,177	-0.7	1.7	-0.3	1,189	1,197	1,203	-1.2
	3,707	3,754	3,845	-1.3	-2.4	-2.0	3,663	3,615	3,686	-0.6
Communications equipment: Unfilled Orders Total Inventories	20,869	20,941	20,945	-0.3	0.0	0.2	21,062	21,055	21,522	-2.1
	5,478	5,523	5,571	-0.8	-0.9	2.2	5,459	5,425	5,281	3.4
Electrical equipment, appliances,										
and components: Unfilled Orders Total Inventories	40,490	40,326	40,369	0.4	-0.1	0.5	40,734	40,247	38,029	7.1
	23,820	23,740	23,904	0.3	-0.7	0.8	24,115	23,807	22,352	7.9
Transportation equipment:										
Unfilled Orders Total Inventories	683,777	684,495	683,918	-0.1	0.1	2.0	689,008	689,542	633,896	8.7
	158,757	158,172	158,630	0.4	-0.3	1.1	158,916	157,178	154,568	2.8
Motor vehicles and parts: Unfilled Orders	27,816	27,649	27,599	0.6	0.2	-0.5	28,953	28,089	28,952	0.0
Total Inventories	51,999	51,814	51,659	0.4	0.3	-0.3	52,500	51,699	50,599	3.8
Nondefense Aircraft and parts: Unfilled Orders Total Inventories	464,502	465,481	466,030	-0.2	-0.1	2.9	467,858	469,021	421,267	11.1
	75,833	75,559	76,484	0.4	-1.2	2.5	75,628	74,965	75,401	0.3
Defense Aircraft and parts: Unfilled Orders Total Inventories	59,976	60,132	59,842	-0.3	0.5	0.3	60,612	61,117	57,246	5.9
	12,878	12,943	12,784	-0.5	1.2	-0.4	12,904	12,910	12,684	1.7
All other durable goods:	12,0,0	12,5 .5	12,, 54	5.5	1.2	0.4	12,554	12,310	12,004	
Unfilled Orders Total Inventories	11,170	11,157	11,199	0.1	-0.4	0.3	11,027	10,843	11,791	-6.5
	68,326	68,368	68,572	-0.1	-0.3	-0.1	68,897	68,592	66,419	3.7
Capital goods ³ : Unfilled Orders Total Inventories	851,481	852,868	852,813	-0.2	0.0	1.7	855,770	856,223	800,886	6.9
	242,129	241,537	241,980	0.2	-0.2	1.3	242,014	239,221	228,812	5.8
Nondefense capital goods: Unfilled Orders Total Inventories	662,622	663,836	664,539	-0.2	-0.1	2.1	666,915	666,672	614,360	8.6
	218,841	218,322	218,964	0.2	-0.3	1.4	218,879	216,197	206,977	5.8
Excluding aircraft: Unfilled Orders Total Inventories	266,922	267,096	267,381	-0.1	-0.1	0.0	268,452	267,006	263,052	2.1
	153,835	153,548	153,211	0.2	0.2	0.8	154,073	152,066	142,093	8.4
Defense capital goods: Unfilled Orders Total Inventories	188,859	189,032	188,274	-0.1	0.4	0.1	188,855	189,551	186,526	1.2
	23,288	23,215	23,016	0.3	0.9	0.1	23,135	23,024	21,835	6.0

Revised data due to late receipts and concurrent seasonal adjustment.

¹ 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.census.gov/manufacturing/m3.

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; search and navigation equipment; electronedical, measuring, and control instruments; 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.