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Current Industrial Reports

Current data are released electronically on Internet for all individual surveys as they become available. Use: http://www.census.gov/mcd/. Individual reports can be accessed by choosing "Current Industrial Reports (CIR)," clicking on "CIRs by Subsector;" then choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available on Internet through the U.S. Department of Commerce and STAT-USA by subscription. The Internet address is: www.stat-usa.gov/. Follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information.

SUMMARY OF FINDINGS

In 2001, a total of 21,305,057 internal combustion engines (except outboard, nondiesel automotive,

aircraft and military tank) were shipped or produced and incorporated at the same plant, representing a 14-percent decrease from the 24,620,800 produced in 2000. Gasoline (except automotive) engines totaled 20,426,375 in 2001, 13 percent below the figure of 23,453,352 for 2000. The number of nonautomotive diesel, semidiesel, and dual-fuel engines produced in 2001 amounted to 226,728, a 25-percent decrease from the 299,365 reported in 2000. There were 635,737 automotive diesel, semidiesel, and dual-fuel engines produced in 2001, 25 percent less than the 848,993 produced in 2000. Production of gas engines (LPG and natural) was 16,217 in 2001, 15 percent more than the 19,090 produced in 2000.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Marvella Jones, 301-457-4743.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

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Table 1. Internal Combustion Engines by Type of Engine: 2001 and 2000 [Engines and quantity in units. Value in thousands of dollars]

- Represents zero.

published data.

			pments and nt transfers	Shipme other co		Inte tra	Engines	
Product description	Engines produced 1/	Quantity	Value f.o.b. plant		Value f.o.b. plant	Quantity	Value f.o.b. plant	produced and incor- porated 2/
2001								
Total	21,305,057	11,168,207	11,536,350	10,039,123	8,603,096	1,129,084	2,933,254	(D)
Gasoline (except automotive) Nonautomotive diesel Automotive diesel Natural gas and liquefied petroleum gas	20,426,375 226,728 635,737 16,217	10,299,985 216,313 635,737 16,172	2,882,353 3,501,355 4,674,540 478,102	164,551 533,759	2,338,346 2,199,544 3,851,586 213,620	972,255 51,762 101,978 3,089	544,007 1,301,811 822,954 264,482	(D) 10,415 - 45
2000								
Total	24,620,800	16,117,054	13,508,953	15,032,238	9,985,361	1,084,816	3,523,592	(D)
Gasoline (except automotive) Nonautomotive diesel Automotive diesel Natural gas and liquefied petroleum gas	23,453,352 299,365 848,993 19,090	14,962,907 286,226 r/ 848,993 18,928	r/ 3,956,203 r/ 6,068,485	673,478	2,429,230 2,565,876 4,821,817 168,438	852,490 54,096 175,515 2,715	635,925 1,390,327 r/ 1,246,668 250,672	(D) 24,870 -

D Withheld to avoid disclosing figures for individual companies. r/Revised by 5 percent or more from previously

^{1/}Represents total number of engines shipped or produced and incorporated into products at the same establishment. 2/Represents engines produced and incorporated (in the same plant) into products such as construction machinery, farm machinery, tractors, engine-generator sets, and other products.

Table 2. Gasoline Engines by Horsepower Rating: 2001 and 2000 [Engines and quantity in units. Value in thousands of dollars]

Product code	Product description			Total shipments and interplant transfers			Shipmer other com	Inte tra	Engines				
code	•	No. of cos.	Engines produced 1/	Quantity		Value f.o.b. plant		Quantity	Value f.o.b. plant	Quantity		Value f.o.b. plant	produced and incor- porated 2/
	2001												
3336181	Gasoline engines	23	20,426,375	10,299,985		2,882,353		9,327,730	2,338,346	972,255		544,007	8,179,818
3336181011 3336181013 3336181015 3336181017	Under 11 hp 11 to under 21 hp 21 to under 61 hp 61 hp and over	6 8	18,095,939 1,508,923 515,225 306,288	(D) 1,386,130 483,982 (D)		(D) 468,057 513,471 (D)		(D) 1,380,837 449,536 (D)	(D) 466,506 439,859 (D)	(D) (D) (D)		(D) (D) (D) (D)	(D) - - -
	2000												
3336181	Gasoline engines	25	r/ 23,453,352	14,962,907		3,065,155		14,110,417 r/	2,429,230 r	852,490	r/	635,925	8,490,445
3336181011 3336181013 3336181015 3336181017	Under 11 hp 11 to under 21 hp 21 to under 61 hp 61 hp and over	8 11	2,082,879	(D) 2,070,268 596,252 (D)	r/	(D) 679,188 435,075 (D)	r/	(D) 2,048,945 r/ 546,958 r/ (D)	(D) r. 670,911 352,671 (D)	541,136 21,323 (D) (D)		76,795 8,277 (D) (D)	(D) (D) (D)

⁻ Represents zero. D Withheld to avoid disclosing figures for individual companies. r/Revised by 5 percent or more from previously published data.

Note: Horsepower is defined as maximum published horsepower rating at maximum recommended revolutions per minute (rpm).

 $^{1/}Represents \ total \ number \ of \ engines \ shipped \ or \ produced \ and \ incorporated \ into \ products \ at \ the \ same \ establishment.$

^{2/}Represents engines produced and incorporated (in the same plant) into products such as construction machinery, farm machinery, tractors, enginegenerator sets, and other products.

Table 3. Nonautomotive Diesel Engines by Horsepower Rating: 2001 and 2000 [Engines and quantity in units. Value in thousands of dollars]

Product code	Product description			Total shipments and interplant transfers			Shipment other con		Interp trans		Engines	
code	riodaci description	No. of cos.	Engines produced 1/	Quantity		Value f.o.b. plant		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	produced and incor- porated 2/
	2001											
33361830	Nonautomotive diesel engines	24	226,728	216,313		3,501,355		164,551	2,199,544	51,762	1,301,811	(D)
3336183011	Under 101 hp	8	(D)	3,800		49,325		(D)	(D)	(D)	(D)	(D)
3336183013	101 to uner 151 hp	9	(D)	(D)		(D)		(D)	(D)	(D)	(D)	(D)
3336183015	151 to under 176 hp	10	(D)	(D)		(D)		12,531	44,462	(D)	(D)	(D)
3336183017	176 to under 251 hp	12	22,637	22,619		143,161		(D)	(D)	(D)	(D)	(D)
3336183019	251 to under 301 hp	11	34,557	34,549		279,990		27,724	227,356	6,825	52,634	(D)
333618301B	301 to under 401 hp	11	22,832	22,823		334,001		17,363	280,080	5,460	53,921	(D)
333618301D	401 to under 451 hp	5	(D)	(D)		(D)		(D)	(D)	2,087	22,834	-
333618301F	451 to under 601 hp	7	12,557	12,557		279,734		(D)	(D)	(D)	(D)	-
333618301H	601 to under 701 hp	7	2,974	2,974		80,609		(D)	(D)	(D)	(D)	-
333618301J	701 to under 801 hp	3	(D)	(D)		(D)		1,617	54,817	(D)	(D)	-
333618301L	801 to under 1,501 hp	8	7,939	7,571		560,312		3,897	191,662	(D)	(D)	(D)
333618301M	1,501 hp and over	6	2,800	2,185		527,638		1,533	332,954	(D)	(D)	(D)
	2000											
33361830	Nonautomotive diesel engines	24	r/ 299,365	286,226	r/	3,956,203		232,130 r/	2,565,876	r/ 54,096	1,390,327	(D)
3336183011	Under 101 hp		(D)	(D)		(D)		(D)	(D)	(D)	(D)	(D)
3336183013	101 to uner 151 hp		(D)	(D)		(D)		(D)	(D)	(D)	(D)	(D)
3336183015	151 to under 176 hp		(D)	24,846		124,531		(D)	(D)	(D)	(D)	(D)
3336183017	176 to under 251 hp		36,643	36,632		263,814		(D)	(D)	(D)	(D)	(D)
3336183019	251 to under 301 hp			41,864		344,458	r/	34,296	281,104	7,568	63,354	(D)
333618301B	301 to under 401 hp			29,443	r/	360,946		23,538	309,685		51,261	(D)
333618301D	401 to under 451 hp		(D)	(D)		(D)		(D)	(D)	(D)	(D)	-
333618301F	451 to under 601 hp		18,209	18,209	r/	397,698		(D)	(D)	(D)	(D)	-
333618301H	601 to under 701 hp		3,575	3,570		109,671		(D)	(D)	(D)	(D)	-
333618301J	701 to under 801 hp		(D)	(D)		(D)		(D)	(D)	(D)	(D)	-
333618301L	801 to under 1,501 hp		r/ 6,575	(D)		(D)		(D)	(D)	(D)	(D)	(D)
333618301M	1,501 hp and over	6	2,979	2,176		466,465		(D)	(D)	(D)	(D)	(D)

⁻ Represents zero. D Withheld to avoid disclosing figures for individual companies. r/Revised byn 5 percent or more from previously published data.

Note: Horsepower is defined as maximun published horsepower rating at maximum recommended revolutions per minute (rpm).

^{1/}Represents total number of engines shipped or produced and incorporated into products at the same establishments.
2/Represents engines produced and incorporated (in the same plant) into products such as construction machinery, farm machinery, tractors, enginegenerator sets, and other products.

Table 4. Automotive Diesel Engines by Horsepower Rating: 2001 and 2000 [Engines in units. Value in thousands of dollars]

Product	B 1 . 1	No.	2001		2000	
code	Product description	of cos.	Engines 1/	Value 2/	Engines 1/	Value 2/
33361850	Automotive diesel engines	13	635,737	4,674,540 r/	848,993 r/	6,068,485
3336185011	Under 226 hp	10	210,097	1,259,009	333,704	1,835,336
3336185013	226 to under 251 hp	6	(D)	(D)	(D)	(D)
3336185015	251 hp and over	7	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies. $\,$ r/Revised by 5 percent or more from previously reported data.

Note: Horsepower is defined as maximun published horsepower rating at maximum recommended revolutions per minute (rpm).

 $^{1/}Represents\ total\ number\ of\ engines\ shipped,\ including\ interplant\ transfers.$

^{2/}Represents value of all engines shipped, including interplant transfers.

Table 5. Gas Engines (Except Automotive) by Horsepower Rating: 2001 and 2000 [Engines and quantity in units. Value in thousands of dollars]

Duoduot					Total shipme interplan			Engine
Product code	Product description	No. of cos.		Engines produced 1/	Quantity		Value f.o.b. plant	Engines produced and incor- porated 2/
	2001							
33361890	Natural gas and liquefied petroleum gas engines			16,217	(D)		478,102	(D)
3336189011 3336189013	Under 501 hp501 hp and over			(D) (D)	(D) (D)		(D) (D)	(D) -
	2000							
33361890	Natural gas and liquefied petroleum gas engines	14	r/	19,090	(D)	r/	419,110	(D)
3336189011 3336189013	Under 501 hp501 hp and over			(D) (D)	(D) (D)		(D) (D)	(D) -

⁻ Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously reported data.

Note: Horsepower is defined as maximum published horsepower rating at maximum recommended revolutions per minute (rpm).

^{1/}Represents total number of engines shipped or produced and incorporated into products at the same establishment.

^{2/}Represents engines produced and incorporated (in the same plant) into products such as construction machinery, farm machinery, tractors, engine-generator sets, and other products.

Table 6. Engines Produced by Piston Displacement and Fuel System: 2001 and 2000

Piston Displacement	2001		2000
Total	21,735,510	r/	24,908,603
Gasoline	20,448,046	r/	23,446,937
Under 251 cc	(D)		(D)
251 and over	(D)		(D)
Nonautomotive diesel	496,018	r/	487,301
Under 251 cc	(D)		(D)
251 to 3,700 cc	(D)		(D)
3,701 and over cc	(D)		(D)
Automotive diesel	791,446	r/	974,365
Under 251 to 3,700 cc	(D)		(D)
3,701 and over cc	(D)		(D)

cc Cubic centimeters. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more than previously reported data.

Table 7. Engines Produced (Except Outboard, Automotive, and Aircraft) by Type of Engine and End Application: 2000 and 1999

End application	Gasolir	ie er	ngines	Nonautomotive diesel engines			
	2001		2000	2001		2000	
Total	18,470,504	r/	23,404,467	495,739	r/	490,479	
Oil field and petroleum related generating and stationary							
equipment	-		-	7,285		(D)	
Other generator sets	(D)		(D)	30,754	r/	39,693	
Irrigation	(D)		(D)	9,562		(D)	
Agricultural vehicular	(D)		(D)	(D)		(D)	
Off-highway mobile construction							
equipment	(D)	r/	45,322	(D)	r/	112,074	
Marine, except outboard	(D)		(D)	41,032	r/	13,254	
Railroad, motive power type	-		-	2,181	r/	2,721	
Chain saws	(D)		(D)	-		-	
Garden tractors	2,245,617		(D)	(D)		(D)	
Lawn, home, and recreational							
equipment	12,520,217	r/	16,013,259	-		-	
Other general industrial	(D)		(D)	81,365		93,756	

⁻ Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more than previously reported data.

Table 8. Production, Exports, and Imports of Internal Combustion Engines: 2001 and 2000 [Quantity in units. Value in thousands of dollars]

Product			cturers' ction	Exports of mercha	domestic andise 2/	Imports for consumption 3/		
code	Product description	Quantity	Value of shipments f.o.b. plant 1/	Quantity	Value at port	Quantity	Value	
	2001							
	Total	21,305,057	11,536,350	2,542,886	2,613,942	3,100,197	3,597,876	
3336185 3336183 3336181	Automotive diesel engines	635,737 226,728 20,426,375	4,674,540 3,501,355 2,882,353	118,790 103,317 2,317,754	846,770 1,262,806 386,370	46,378 427,116 2,549,809	171,593 1,154,464 2,223,580	
3336189	Gas and liquefied petroleum gas and engines	16,217	478,102	3,025	117,996	76,894	48,239	
	2000							
	Total	24,620,800	13,508,953	2,856,349	3,232,064	3,819,425	3,647,369	
3336185 3336183 3336181 3336189	Automotive diesel engines Nonautomotive diesel engines Gasoline engines Gas and liquefied petroleum	848,993 299,365 23,453,352	6,068,485 3,956,203 3,065,155	149,511 100,802 2,602,257	1,109,862 1,441,223 596,896	33,585 495,955 3,228,851	199,653 1,355,613 2,048,643	
	gas and engines	19,090	419,110	3,779	84,083	61,034	43,460	

^{1/}Value of shipments f.o.b. plant of production quantities shipped as engines, including interplant transfers.

^{2/}Source: Census Bureau report EM 545, U.S. Exports.

³/Source: Census Bureau report IM 145, U.S. General Imports. These figures include both import value and duty value.

Table 9. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3336181	Gasoline engines (except outboard marine, aircraft, automobile, highway truck, bus, and tank)	8407.29.0010 8407.29.0050 8407.31.0000 8407.32.5000 8407.34.5000 8407.90.1010 8407.90.9030 8407.90.9050	8407.29.0010 8407.29.0020 8407.29.0030 8407.29.0040 8407.31.0040 8407.32.1000 8407.32.9040 8407.32.9080 8407.33.1030 8407.33.1060 8407.33.1090 8407.33.9040 8407.33.9040 8407.34.0560 8407.34.0590 8407.34.1030 8407.34.1060 8407.34.1060 8407.34.1090 8407.34.1090 8407.90.1010 8407.90.1020 8407.90.1060 8407.90.1060 8407.90.1080 8407.90.9080 8407.90.9080 8407.90.9080 8411.99.9060
3336183	Nonautomotive diesel, semidiesel, and dual-fuel engines	8408.10.0010 8408.10.0020 8408.10.0030 8408.10.0040 8408.10.0050 8408.20.5000 8408.90.1000 8408.90.9010 8408.90.9020 8408.90.9030 8408.90.9040 8408.90.9050	8408.10.0005 8408.10.0015 8408.10.0020 8408.10.0030 8408.10.0050 8408.20.1040 8408.20.1080 8408.20.1080 8408.20.9000 8408.90.1040 8408.90.1080 8408.90.9020 8408.90.9030 8408.90.9030 8408.90.9040 8408.90.9050
3336185	Automotive diesel, semidiesel, and dual-fuel engines	8408.20.2000	8408.20.2000
3336189	Piston-type natural gas engines, including liquefied petroleum gas engines	8407.90.9010	8407.90.9010

 $1/Source:\ 2001\ edition,\ Harmonized\ System-Based\ Schedule\ B,\ Statistical\ Classification\ of\ Domestic\ and\ Foreign\ Commodities\ Exported\ from\ the\ United\ States.$

2/Source: Harmonized Tariff Schedule of the United States Annotated (2001).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Data on internal combusion engines have been collected by the Census Bureau since 1943. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library.