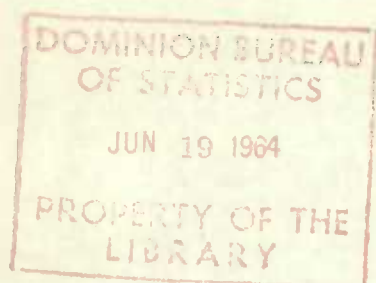


CATALOGUE No.

42-213

ANNUAL



## MACHINERY INDUSTRIES

(Except Electrical Machinery)

1960

General Review

First issue. Statistics for this group were formerly included in 41-201 Iron and Steel Products; General Review which has been discontinued. Detailed statistics for individual industries in this group are published in 42-202, 42-214, 42-215 and 42-216. See introductory text for details.

The General Review reports for industry groups will not be issued for the years 1961 and 1962.

## ANNUAL CENSUS OF MANUFACTURES

*Published by Authority of*  
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS  
Industry Division

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### SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers



and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

# MACHINERY INDUSTRIES

(Except Electrical Machinery)

1960

## General Review

Data presented in this report reflect implementation of the revised Standard Industrial Classification (S.I.C.) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics. The revised classification provides for a separate group made up of four industries under the title of Machinery Industries (except Electrical Machinery). These four industries were formerly a part of the old S.I.C. group, "Iron and Steel Products". Implementation of the new classification also introduced a number of inter and intra industry changes. Details of these changes are included in footnote A below.

Factory shipments reported by the Machinery Industries group in 1960 were valued at \$642.5 millions an increase of \$16.4 millions or about 2.6% over the comparable 1959 total of \$626.1 millions.

In 1960 there were 533 operating establishments in this group and they employed 43,495 persons who were paid salaries and wages of \$199,427,682. Materials for use in Manufacturing cost \$299,071,885 and fuel and electricity used cost \$6,771,590.

### NOTE:

A. As mentioned above, details presented in this report reflect implementation of the new Standard Industrial Classification (S.I.C.). Group totals for 1957-1959 shown in Table 1 have been re-compiled on the new basis and are, accordingly, comparable with the group totals shown for 1960; however, details for the four individual industries comprising this new group shown separately for 1960 in Table 1 are not comparable with those shown in the reports for these industries published prior to 1960 because of the changes outlined below.

1. Establishments formerly classified to the old S.I.C. industry "Machine Tools Industry" are now included in "Miscellaneous Machinery and Equipment Manufacturers". Also some firms have been reclassified because of a change in their major activity and as a result have been transferred either into or out of "Miscellaneous Machinery and Equipment".
2. The new industry "Office and Store Machinery Manufacturers" is comprised of those establishments previously forming a major component of the old S.I.C. industry "Household, Office and Store Machinery". Establishments primarily engaged in manufacturing items such as washing machines, dryers and sewing machines previously included in the latter industry are now classified to "Manufacturers of Major Appliances (electric and non-electric)".
3. The new industry "Commercial Refrigeration and Air Conditioning Equipment Manufacturers" is comprised of those establishments previously forming a major component of the old S.I.C. industry "Household, Office and Store Machinery".
4. In the case of the "Agricultural Implement Industry" changes were minimal and were a result of a few firms, which made agricultural implements as a secondary line, being transferred to other industries.

B. Industry Bulletins carrying final figures for 1960 also include 1957, 1958, and 1959 data re-compiled on the revised S.I.C. basis for the purposes of comparability.



## MACHINERY INDUSTRIES

TABLE 1. Principal Statistics: Machinery Industries (Except Electrical Machinery), 1957 to 1959, and by Industries, 1960

Year and industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
	number		dollars				
1957 .....	494	46,053	181,098,852	6,066,654	267,315,662	331,400,658	604,782,974
1958 .....	523	41,348	173,722,971	6,254,473	258,642,207	285,603,102	554,564,798
1959 .....	521	45,264	201,066,136	7,058,334	302,870,740	340,390,761	626,103,977
1960							
Agricultural implement industry .....	69	10,929	52,775,449	1,972,973	78,433,294	61,773,292	152,126,862
Miscellaneous machinery and equipment manufacturers ...	409	27,606	123,792,123	4,248,592	174,357,409	217,656,790	393,932,002
Commercial refrigeration and air conditioning equipment manufacturers .....	33	1,601	6,746,295	302,680	9,723,870	13,062,361	22,633,244
Office and store machinery manufacturers .....	22	3,359	16,113,815	247,345	36,557,312	37,270,780	73,766,859
<b>Totals .....</b>	<b>533</b>	<b>43,495</b>	<b>199,427,682</b>	<b>6,771,590</b>	<b>299,071,885</b>	<b>329,763,223</b>	<b>642,458,967</b>

TABLE 2. Principal Statistics: Machinery Industries (Except Electrical Machinery), by Provinces, 1960

Province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
	number		dollars				
Newfoundland .....	1	333	1,246,369	39,894	795,729	2,146,344	2,859,699
Nova Scotia .....	5						
New Brunswick .....	3	44	168,311	11,515	143,085	284,424	446,584
Quebec .....	69	8,029	34,477,689	1,157,527	50,024,297	59,337,376	111,242,131
Ontario .....	324	31,819	149,490,579	4,964,746	227,780,315	242,772,654	481,960,914
Manitoba .....	30	1,143	4,443,957	183,250	8,470,723	8,376,284	16,874,304
Saskatchewan .....	13	150	596,208	28,049	974,288	1,003,146	1,981,292
Alberta .....	16	355	1,371,670	105,332	2,853,909	2,450,500	5,055,897
British Columbia .....	52	1,622	7,632,899	281,277	8,299,539	13,390,495	22,038,189
<b>Canada .....</b>	<b>533</b>	<b>43,495</b>	<b>199,427,682</b>	<b>6,771,590</b>	<b>299,071,885</b>	<b>329,763,223</b>	<b>642,458,967</b>

TABLE 3. Inventories:<sup>1</sup> Machinery Industries (Except Electrical Machinery), by Industry, 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Agricultural implement industry .....	13,711,160	30,844,657	10,030,896	54,586,713
Miscellaneous machinery and equipment manufacturers .....	41,753,382	31,710,584	34,846,583	108,310,549
Commercial refrigeration and air conditioning equipment manufacturers ..	2,027,968	1,430,018	1,383,983	4,841,969
Office and store machinery manufacturers .....	9,761,914	4,935,667	7,626,385	22,323,966
<b>Totals .....</b>	<b>67,254,424</b>	<b>68,920,926</b>	<b>53,887,847</b>	<b>190,063,197</b>
Closing:				
Agricultural implement industry .....	11,470,713	22,077,053	8,851,197	42,398,963
Miscellaneous machinery and equipment manufacturers .....	42,530,077	32,615,358	36,272,598	111,418,033
Commercial refrigeration and air conditioning equipment manufacturers ..	2,705,590	1,544,071	1,725,597	5,975,258
Office and store machinery manufacturers .....	12,075,147	6,610,011	6,260,619	24,945,777
<b>Totals .....</b>	<b>68,781,527</b>	<b>62,846,493</b>	<b>53,110,011</b>	<b>184,738,031</b>

<sup>1</sup> Book value of all manufacturing inventories owned and held at plant and plant warehouses.

TABLE 4. Inventories:<sup>1</sup> Machinery Industries (Except Electrical Machinery), by Provinces, 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Newfoundland .....	342,673	215,931	305,812	864,416
Nova Scotia .....				
New Brunswick .....	283,697	41,660	129,976	455,333
Quebec .....	7,394,498	8,294,383	11,545,206	27,234,087
Ontario .....	53,671,701	56,749,640	37,671,842	148,093,183
Manitoba .....	1,710,291	1,500,018	1,281,007	4,491,316
Saskatchewan .....	378,939	135,124	260,334	774,397
Alberta .....	958,063	234,260	976,345	2,168,668
British Columbia .....	2,514,562	1,749,910	1,717,325	5,981,797
Canada .....	67,254,424	68,920,926	53,887,847	190,063,197
Closing:				
Newfoundland .....	457,351	301,851	342,160	1,101,362
Nova Scotia .....				
New Brunswick .....	197,123	29,975	134,131	361,229
Quebec .....	7,935,534	8,869,447	10,247,221	27,052,202
Ontario .....	53,884,609	50,479,998	37,498,285	141,862,892
Manitoba .....	2,214,234	1,342,843	1,596,138	5,153,215
Saskatchewan .....	409,818	142,390	277,259	829,467
Alberta .....	945,533	260,303	1,034,146	2,239,982
British Columbia .....	2,737,325	1,419,686	1,980,671	6,137,682
Canada .....	68,781,527	62,846,493	53,110,011	184,738,031

<sup>1</sup> Book value of all manufacturing inventories owned and held at plant and plant warehouses.

TABLE 5. Employees and their Earnings: Machinery Industries (Except Electrical Machinery), by Industry, 1960

Industry	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					dollars		
Agricultural implement industry .....	2,461	589	7,816	63	10,929	17,603,937	35,171,512	52,775,449
Miscellaneous machinery and equipment manufacturers ....	7,126	2,402	17,390	688	27,606	49,278,843	74,513,280	123,792,123
Commercial refrigeration and air conditioning equipment manufacturers .....	332	111	1,140	18	1,601	2,346,808	4,399,487	6,746,295
Office and store machinery manufacturers .....	661	364	1,917	417	3,359	5,865,113	10,248,702	16,113,815
Totals .....	10,580	3,466	28,263	1,186	43,495	75,094,701	124,332,981	199,427,682

TABLE 6. Employees and their Earnings: Machinery Industries (Except Electrical Machinery), by Provinces, 1960

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					dollars		
Newfoundland .....	28	13	291	1	333	196,793	1,049,576	1,246,369
Nova Scotia .....								
New Brunswick .....	9	1	34	—	44	72,068	98,243	188,311
Quebec .....	2,266	682	4,991	90	8,029	14,534,544	19,943,145	34,477,689
Ontario .....	7,626	2,564	20,595	1,034	31,819	55,719,747	93,770,832	149,490,579
Manitoba .....	209	69	842	23	1,143	1,535,842	2,908,115	4,443,957
Saskatchewan .....	25	8	117	—	150	161,476	434,732	596,208
Alberta .....	64	32	248	11	355	386,035	985,635	1,371,670
British Columbia .....	353	97	1,145	27	1,622	2,488,196	5,144,703	7,632,899
Canada .....	10,580	3,466	28,263	1,186	43,495	75,094,701	124,332,981	199,427,682



TABLE 7. Wage-Earners Employed in the Machinery Industries (Except Electrical Machinery), by Months, 1960

Month	Establishments reporting monthly detail <sup>1</sup>	
	Male	Female
January .....	28,372	1,247
February .....	28,519	1,217
March .....	28,688	1,207
April .....	28,533	1,189
May .....	28,058	1,192
June .....	27,268	1,168
July .....	26,122	1,117
August .....	22,483	1,117
September .....	23,774	1,064
October .....	23,978	1,086
November .....	24,170	1,108
December .....	23,912	1,077
Average for establishments reporting monthly detail .....	26,169	1,151
Average estimated for small establishments <sup>2</sup> .....	2,094	35
Average for all establishments .....	28,263	1,186

<sup>1</sup> The number of production workers by months was collected only for large establishments.<sup>2</sup> The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 8. Materials Used: Machinery Industries (Except Electrical Machinery) 1960

Material		Quantity	Cost at works
			\$
Aluminum, all forms .....	lb.	11,070,586	8,829,940
Babbitt metal and solders .....	"	232,907	117,538
Bars and rods, steel, except alloy .....	ton	74,336	12,607,205
Brass and bronze, all forms .....	lb.	3,923,216	2,223,217
Coke (charged to cupolas, etc., not for fuel) .....	ton	11,075	374,668
Copper, all forms .....	lb.	2,985,393	2,117,237
Core oil .....	imp. gal.	37,547	39,179
Cupola blocks and fire brick .....	"	"	80,596
Electrical goods (including motors) .....	"	"	249,653
Fabrics .....	"	"	229,853
Ferro-alloys .....	"	"	165,229
Fireclay .....	ton	1,121	26,954
Iron, castings .....	"	48,099	13,488,398
Iron, pig .....	"	18,281	1,158,827
Iron and steel, n.e.s., (except alloy) .....	"	"	7,122,194
Lead, all forms .....	lb.	373,731	49,798
Lumber and timber .....	M bd. ft.	12,447	1,356,919
Machinery (auxiliary), purchased .....	"	"	734,010
Metals, non-ferrous, n.e.s. ....	"	"	752,419
Nickel, all forms .....	lb.	80,764	68,016
Paints, oils and varnishes .....	"	"	1,752,584
Pipe, tubes and fittings, iron and steel .....	"	"	3,911,767
Plates, steel (3/16" and thicker), except alloy .....	ton	39,736	6,281,272
Plumbago and graphite .....	lb.	205,491	18,459
Plywood .....	M sq. ft.	208	34,893
Sands, foundry .....	ton	15,168	184,833
Scrap, iron and steel:			
Own make .....	"	12,437	517,738
Purchased .....	"	14,227	594,530
Sheets, steel:			
Galvanized .....	"	6,875	1,211,561
Plain (black), except alloy .....	"	53,905	7,706,670
Tinplate .....	"	504	85,565
Steel, alloy, all kinds .....	"	"	9,157,161
Steel castings .....	ton	10,913	5,536,909
Strip, steel, (except alloy) .....	"	4,939	879,610
Structural shapes, steel, (except alloy) .....	"	35,880	6,272,708
Tin .....	lb.	10,153	11,406
Wire, steel, (except alloy) .....	ton	1,247	253,370
Zinc, all forms .....	lb.	640,418	162,761
Containers and packing materials .....	"	"	2,482,158
All other materials .....	"	"	200,224,080
<b>Totals .....</b>			<b>299,071,885</b>



**TABLE 9. Principal Statistics: Machinery Industries (Except Electrical Machinery) classified according to Size of Establishment, 1960**

Size group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value of factory shipments
	number		dollars		
<b>(a) Gross production or factory shipments</b>					
Under \$10,000 .....	21	24	47,043	33,714	108,981
\$ 10,000 to \$ 24,999 .....	30	87	216,372	204,384	515,942
25,000 " 49,999 .....	37	198	551,532	606,890	1,410,357
50,000 " 99,999 .....	58	510	1,744,298	1,715,089	4,423,539
100,000 " 199,999 .....	87	1,229	4,402,708	4,955,785	12,528,725
200,000 " 499,999 .....	99	2,531	10,800,125	13,763,681	30,964,691
500,000 " 999,999 .....	76	4,321	19,338,627	24,448,495	56,716,387
1,000,000 " 1,999,999 .....	106	15,586	68,344,898	107,346,557	231,427,782
5,000,000 and over .....	19	18,925	93,308,483	145,997,290	304,362,563
Head offices .....	—	84	673,596	—	—
<b>Totals .....</b>	<b>533</b>	<b>43,495</b>	<b>199,427,682</b>	<b>299,071,885</b>	<b>642,458,967</b>
<b>(b) Employees</b>					
Under 5 employees .....	81	184	613,377	1,627,576	2,918,833
5 to 14 .....	133	1,236	4,512,698	7,646,385	16,715,368
15 " 49 .....	156	4,362	18,282,209	30,341,842	65,363,678
50 " 99 .....	76	5,350	23,548,361	39,841,035	81,046,030
100 " 199 .....	44	6,361	27,762,325	46,943,450	100,257,078
200 " 499 .....	32	9,634	43,011,863	51,243,226	132,359,587
500 " 999 .....	5	3,628	17,580,946	27,179,379	62,674,807
1,000 and over .....	6	12,656	63,442,307	94,248,992	181,123,586
Head offices .....	—	84	673,596	—	—
<b>Totals .....</b>	<b>533</b>	<b>43,495</b>	<b>199,427,682</b>	<b>299,071,885</b>	<b>642,458,967</b>

**TABLE 10. Fuel and Electricity Used: Machinery Industries (Except Electrical Machinery), 1960**

Kind	Quantity	Cost at plant \$
1. Establishments reporting commodity detail:		
Bituminous coal (a) From Canadian mines .....	ton 20,979	233,832
(b) Imported .....	" 58,277	618,448
Sub-bituminous coal .....	" 502	3,244
Anthracite coal .....	" 10,471	130,796
Lignite coal .....	" 172	1,434
Coke .....	" 1,588	26,249
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal. 1,289,724	486,833
Fuel oil including kerosene or coal oil .....	" 11,121,219	1,284,754
Wood .....	cord 123	2,573
Gas (a) Liquefied petroleum gases .....	Imp. gal. 202,732	42,079
(b) Other manufactured gas .....	M cu. ft. 1,836	2,098
(c) Natural gas .....	" 773,622	582,164
Other fuel .....	" ..	15,745
Electricity purchased .....	kwh. 252,110,107	2,739,965
Steam purchased .....	" ..	66,576
2. Estimate for establishments for which no data were collected:		
Cost of fuel and electricity .....	...	534,800
3. All establishments:		
Total cost of fuel and electricity .....	...	6,771,590

**TABLE 11. New Investment in Durable Physical Assets and Repair and Maintenance: Machinery Industries (Except Electrical Machinery), 1960**

New investment			Repair and maintenance			Total
Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	
thousands of dollars						
2,369	14,717	23,086	3,001	9,578	12,579	35,665

**TABLE 12. Factory Shipments of Products Related to the Machinery Industry (Except Electrical Machinery), 1960**  
(From All Industries)

Commodity	Total value of factory shipments <sup>1</sup>	Catalogue No. (annual)	Table No.
	\$		
Plows .....	5,487,000	42-202	5
Mowers .....	5,910,000	42-202	6
Harrows .....	3,391,000	42-202	7
Threshers and reaper threshers .....	41,422,000	42-202	8
Seed drills .....	289,000	42-202	9
Oneway discs, harrow plows and tiller combines .....	3,550,000	42-202	10
Cultivators .....	5,066,000	42-202	11
Weeders and corn planters - Weeders .....	1,417,000	42-202	12
Corn planters .....	172,000		
Hay loaders and hay rakes .....	1,801,000	42-202	13
Manure spreaders .....	4,049,000	42-202	14
Miscellaneous machinery and equipment (Excluding agricultural and electrical machinery) .....	426,088,000	42-214	5
Commercial refrigeration and air conditioning equipment .....	28,570,000	42-215	5
Office and store machinery .....	69,827,000	42-218	5

<sup>1</sup> For a detailed breakdown of factory shipments refer to the industry report indicated in the adjoining column.





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