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THE MACHINERY INDUSTRY

1958

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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Iron and Steel Products Major Group** are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A - Annual**M - Monthly****S.C. - Special Compilation**

Catalogue number	Title	Price
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EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 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. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

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 1958, 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, warehousing 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 of 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.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

¹ 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*.

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.

THE MACHINERY INDUSTRY

1958

Factory shipments by firms in the Machinery Industry were valued at \$458,426,879 in 1958, a decrease of 12 per cent from the 1957 total of \$520,733,165. The 464 firms which reported in this group for 1958 were distributed across Canada as follows: 2 in Newfoundland; 3 in New Brunswick; 5 in Nova Scotia; 89 in Quebec; 286 in Ontario; 16 in Manitoba; 7 in Saskatchewan; 8 in Alberta and 48 in British Columbia. These plants gave employment to a total of 32,945 workers who were paid \$134,097,482 in salaries and wages. Materials worth \$203,861,085 were purchased for use in manufacturing processes and an additional \$4,494,530 were spent for fuel and electricity.

This industry covers the operations of iron and steel works which were occupied chiefly in making industrial, household, office and business machinery, and machine tools. Farm implements and machinery and electrical machinery and supplies are covered by separate reports. Some concerns in other industrial groups made machinery as secondary or minor products so the production figures for the Machinery Industry do not necessarily represent the total Canadian output of the commodities listed. Detailed production data for the Machinery Industry only are given in Table 4, while Table 6 summarizes the total machinery production as assembled from all industries. In 1958 the total output of machinery

from all industries was \$681,005,000 compared with \$734,382,000 in the previous year.

Products made in this industry included washing machines and ironers, cash registers, sewing machines, typewriters, transmissions machinery, pulp and paper machinery, elevators, air compressors, rock drills and mining machinery, roadmaking machinery, gasoline-dispensing pumps, machine tools, rolling mill machinery, etc.

The new Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics in its compilations since 1949, provides for a breakdown of the machinery group into three divisions: (a) Household, office and store machinery; (b) Machine tools; (c) Machinery, n.e.c. The latter category includes establishments primarily engaged in manufacturing special industrial machinery, such as textile machinery, wood-working machinery, pulp and paper machinery, engines and turbines, mining machinery, conveyor systems and elevators, etc. Data given in Tables 1, 4, 5, 7 to 13 relate to the machinery group as a whole but the principal statistics and inventory data for the three groups are detailed in Tables 2 and 3.

The letters "n.e.c." appearing throughout this report mean "not elsewhere classified".

**TABLE 1. Principal Statistics of the Machinery Industry, Significant Years 1929-58,
and by Provinces, 1957 and 1958**

Year and province	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	number						dollars
1929	169	12,435	17,091,918	684,629	22,264,416	42,743,494	65,692,539
1933	189	6,317	6,575,848	452,903	6,787,924	11,672,099	18,912,926
1937	214	12,638	16,059,392	759,245	22,204,200	34,133,371	57,096,816
1939	232	12,248	15,847,861	812,624	18,099,490	29,546,294	48,458,408
1942	255	27,354	47,707,573	1,665,258	52,950,771	104,755,759	159,371,788
1946	299	27,003	50,246,824	1,845,981	50,760,795	93,031,472	145,638,248
1949	366	30,070	73,651,359	2,634,883	90,721,553	147,345,167	240,701,603
1954	399	32,851	114,239,002	3,733,448	131,145,901	207,930,118	342,210,737
1955	408	33,308	119,231,092	3,938,891	152,975,546	210,620,944	368,424,434
1956	414	37,520	142,114,170	4,333,548	213,150,950	274,427,766	471,197,174
1957							
Newfoundland	2	177	672,796	42,013	739,913	1,264,307	1,967,678
New Brunswick	3						
Nova Scotia	5	403	1,253,635	61,029	1,168,912	1,808,618	3,090,796
Quebec	81	12,067	44,753,752	1,448,798	61,453,405	81,370,458	140,114,402
Ontario	272	23,312	92,666,011	2,733,417	151,101,906	190,210,537	342,713,575
Manitoba	17	423	1,523,119	55,237	1,740,774	2,536,754	4,359,999
Saskatchewan	9	145	477,940	22,937	751,324	758,060	1,418,526
Alberta	6	294	1,093,921	26,372	1,120,699	1,685,408	2,757,603
British Columbia	47	2,094	8,921,358	248,917	9,602,876	14,984,596	24,310,586
Canada	442	38,915	151,362,532	4,638,720	227,679,809	294,618,738	520,733,165
1958							
Newfoundland	2	178	673,860	36,431	677,605	811,338	1,658,532
New Brunswick	3						
Nova Scotia	5	207	730,653	40,588	730,619	1,145,544	1,941,911
Quebec	89	9,760	36,236,105	1,283,023	53,928,857	54,734,470	115,882,729
Ontario	286	21,033	89,361,589	2,880,023	140,860,000	171,582,978	318,551,144
Manitoba	16	444	1,677,421	67,488	2,132,349	3,211,373	5,401,745
Saskatchewan	7	112	386,713	20,550	418,685	497,328	1,050,720
Alberta	8	113	439,113	14,882	741,353	1,595,689	2,320,143
British Columbia	48	1,098	4,592,028	151,545	4,371,617	6,438,835	11,619,955
Canada	464	32,945	134,097,482	4,494,530	203,861,085	240,017,555	458,426,879

¹ Figures for value added by manufacture, prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

Note: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Principal Statistics, by Sub-groups,¹ 1957 and 1958

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
number		dollars					
1957							
Household, office and store machinery	70	9,665	35,884,788	1,056,743	68,636,393	75,277,132	142,743,904
Machine tools	12	1,559	6,285,526	186,165	6,000,246	8,616,552	14,989,027
Machinery, n.e.c.	360	27,691	109,192,218	3,395,812	153,043,170	210,725,054	363,000,234
Totals	442	38,915	151,362,532	4,638,720	227,679,809	294,618,738	520,733,165
1958							
Household, office and store machinery	71	8,557	33,950,426	1,046,201	64,616,295	68,096,143	135,976,609
Machine tools	14	1,041	4,544,639	157,175	5,820,566	4,478,466	11,355,414
Machinery, n.e.c.	379	23,347	95,602,417	3,291,154	133,424,224	167,442,946	311,094,856
Totals	464	32,945	134,097,482	4,494,530	203,861,083	240,017,555	458,426,879

¹ Sub-division made on basis of principal products.TABLE 3. Inventories,¹ 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
(a) By sub-groups				
Opening:				
Household, office and store machinery	15,268,013	11,469,954	15,884,365	42,622,332
Machine tools	1,079,646	1,771,668	980,493	3,831,807
Machinery, n.e.c.	39,738,893	29,358,609	33,589,825	102,687,327
Totals	56,086,552	42,600,231	50,454,683	149,141,466
Closing:				
Household, office and store machinery	14,040,460	10,424,797	14,711,552	39,176,809
Machine tools	1,103,200	836,211	1,016,743	2,956,154
Machinery, n.e.c.	34,583,143	25,719,355	30,292,547	90,595,045
Totals	49,726,803	36,980,363	46,020,842	132,728,008
(b) By provinces				
Opening:				
Newfoundland and New Brunswick	364,677	165,388	225,508	755,573
Nova Scotia	604,178	344,707	110,608	1,059,493
Quebec	12,116,916	12,377,618	16,822,397	41,316,931
Ontario	40,207,445	28,421,466	30,981,804	99,610,715
Manitoba	462,347	138,131	359,651	960,129
Saskatchewan	364,037	185,882	376,529	926,448
Alberta	231,492	48,810	42,590	322,892
British Columbia	1,735,460	918,229	1,535,596	4,189,285
Canada	56,086,552	42,600,231	50,454,683	149,141,466
Closing:				
Newfoundland and New Brunswick	359,931	167,214	90,524	617,669
Nova Scotia	326,853	198,377	231,778	757,008
Quebec	9,713,184	8,888,664	14,374,972	32,976,820
Ontario	36,741,848	26,699,978	29,475,149	92,916,975
Manitoba	394,364	147,809	359,438	901,611
Saskatchewan	308,330	152,017	296,237	756,584
Alberta	191,456	57,310	65,871	314,637
British Columbia	1,690,837	668,994	1,126,873	3,486,704
Canada	49,726,803	36,980,363	46,020,842	132,728,008

¹ (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Machinery Industry for the year under review are shown in the above table.

(c) The opening inventory for 1958 does not necessarily agree with the closing inventory for 1957 because of revisions such as the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the revisions mentioned above.

TABLE 4. Products Made by Firms Included in the Machinery Industry, 1957 and 1958

Item			1957	1958
	Value of factory shipments	Value of factory shipments		
dollars				
Compressors, pumps and parts:				
Air compressors	8,275,018	6,555,679		
Pumps and parts	23,595,477	22,484,732		
Conveying, elevating, materials handling equipment and parts:				
Conveyors and conveying systems and parts	21,233,663	15,586,359		
Elevators and parts	14,596,519	14,317,113		
Hoisting machinery (except mine hoists) and parts	13,138,917	7,577,817		
Industrial trucks, tractors, trailers and stackers and parts	3,558,052	3,571,121		
Miscellaneous materials handling equipment and parts	5,232,421	3,573,776		
Drilling, excavating, mining and related machinery and parts:				
Rock drilling, earth boring and related machinery and parts	13,862,982	11,641,477		
Excavating, dredging and loading equipment and parts	10,311,188	11,972,356		
Mining and ore processing machinery and parts	26,607,980	14,747,546		
Construction machinery and parts	8,608,627	8,498,995		
Engines and parts	27,497,824	36,381,602		
Fire-fighting equipment	2,911,554	2,932,436		
Food products machinery (including beverages and tobacco) machinery and parts:				
Bakers' machinery and parts	1,822,722	2,138,429		
Dairy and milk product plant machinery	962,821	1,306,468		
Flour and grist mill machinery	220,934	405,909		
Food products machinery, other, and parts	980,930	1,272,875		
Foundry equipment (core-making machines, moulding machines, casting machines, shake-out equipment, etc.)	504,392	311,948		
Household machinery and parts:				
Washing machines	22,486,713	23,885,593		
Other household machinery and parts	25,610,252	25,721,442		
Metal-working machinery and parts:				
Machine tools, metal-working and parts	9,165,343	5,967,261		
Metal-working machinery (except machine tools) and parts	3,565,707	3,867,822		
Miscellaneous general purpose industrial machinery and parts:				
Wrapping and packaging machinery and parts	933,830	534,563		
Other general purpose industrial machinery and parts	5,505,627	3,573,224		

See note at end of table.

TABLE 4. Products Made by Firms Included in the Machinery Industry, 1957 and 1958 — Concluded

Item			Value of factory shipments	Value of factory shipments
	1957	1958		
dollars				
Miscellaneous special industry machinery and parts:				
Cement mill machinery	1,407,727	242,613		
Grain elevator machinery	1,531,123	1,444,566		
Logging machinery	1,120,952	703,913		
Rubber-working machinery	1,856,619	1,216,770		
Saw-mill machinery, including lumber handling equipment	2,323,434	2,144,135		
Special industry machinery, other, and parts	8,072,320	6,739,829		
Office, store and business machinery and parts:				
Adding machines	3,075,002	2,272,664		
Scales	3,433,481	3,380,213		
Typewriters—Standard, including long carriage	6,648,098	4,658,137		
Portable	3,488,467	2,834,285		
Electric	5,060,840	4,186,871		
Other office, store and business machinery and parts	34,942,612	34,398,620		
Pulp and paper industries machinery and parts	28,559,253	12,789,793		
Printing and bookbinding industries machinery and parts	1,355,667	1,046,336		
Refrigeration and air conditioning equipment and parts:				
Refrigeration equipment and parts	8,891,716	9,460,875		
Air conditioning equipment and parts	2,213,365	2,077,603		
Service industry equipment (including vending machines) and parts	11,784,621	9,460,875		
Ship's machinery and fittings	3,213,159	2,670,873		
Textile industries machinery and parts	350,047	265,553		
Transmission equipment and bearings and parts	22,722,983	20,290,736		
Water and sewage treatment equipment and parts	3,832,828	3,537,756		
Woodworking machinery (excluding power driven hand tools) and parts	1,562,763	1,128,332		
Ventilating, exhaust and dust-collecting equipment and parts	9,902,243	10,153,791		
All other machinery and machinery parts	33,143,914	33,577,131		
Total machinery and parts	451,682,727	399,508,813		
All other products	49,041,116	45,290,340		
Amount received for repair and custom work	20,009,322	13,627,726		
Totals	520,733,163	458,426,879		

Note: Data given in this table are for the Machinery Industry which includes only the firms occupied chiefly in the manufacture of machinery. The output figures do not necessarily represent the total Canadian production as some machinery was made as secondary products by firms in other industries. The total production from all industries is shown in Table 6, in as much detail as possible.

TABLE 5. Materials Used by Firms in the Machinery Industry, 1957 and 1958

Material	1957		1958		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Castings (rough and semi-finished) received from foundry:					
Iron (gray and malleable)	ton	27,833	7,962,548	24,373	7,010,853
Steel	"	13,577	6,995,902	11,848	5,892,496
Pig iron, all grades	"	18,919	1,218,187	12,632	783,022
Steel (except alloy steel):					
Bars	"	29,368	5,842,807	22,477	4,625,124
Plates (3/16 in. and thicker)	"	30,702	5,277,314	24,337	3,799,458
Sheets (under 3/16 in.)—Plain	"	24,505	4,003,560	26,029	4,164,259
Galvanized	"	4,601	921,768	3,052	527,667
Tinplate	"	355	72,096	268	47,826
Strips (less than 14 in. wide)	"	3,267	660,341	2,469	513,956
Structural shapes, unfabricated (channels, angles, etc.)	"	26,989	4,421,369	26,643	4,659,388
Wire	"	1,585	264,045	704	148,743
Alloy steel in all forms:					
Alloy steel (other than stainless and tool steel) ..		..	2,920,310	..	1,839,933
Stainless .....		..	4,387,847	..	2,269,503
Tool steel (all types including high speed) .....		..	1,801,160	..	1,713,330
Scrap iron and steel—Purchased	ton	20,051	963,447	16,623	543,945
Own make	"	12,064	500,007	4,249	152,370
Pipe and fittings, iron and steel .....		..	3,006,068	..	2,316,878
Other iron and steel .....		..	10,550,409	..	7,285,298
Ferro-alloys .....		..	175,144	..	177,764
Non-ferrous metals in all forms:					
Aluminum—Castings	pound	3,707,476	4,038,067	3,851,716	4,208,087
Sheet	"	1,105,024	470,940	862,640	410,189
Other forms	"	3,578,666	1,108,936	2,570,897	816,462
Brass and bronze	"	4,100,762	2,271,700	3,433,533	1,928,963
Copper—Sheet	"	236,564	141,337	239,321	126,373
Wire	"	661,589	376,424	517,066	325,595
Other forms	"	1,636,133	942,998	1,327,973	775,837
Lead	"	187,444	37,229	70,611	11,741
Nickel	"	208,474	155,776	119,499	89,732
Tin	"	20,725	21,024	14,580	15,778
Zinc	"	1,564,605	371,717	543,832	219,046
Babbitt metals and solders	"	386,638	194,036	291,421	141,540
Other non-ferrous metals	"	..	1,789,819	..	1,536,375
Other materials and supplies:					
Paints, oils and varnishes .....		..	1,452,494	..	1,278,225
Foundry coke (used in cupola)	ton	11,989	396,074	6,428	194,300
Foundry sands	"	27,267	226,135	13,301	126,335
Plumbago and graphite	pound	171,265	19,665	189,904	20,439
Lumber	M ft. b.m.	14,172	1,714,792	10,122	1,095,240
Firebrick and cupola blocks		—	52,653	—	72,152
Fireclay	ton	1,204	25,856	1,042	22,353
Core oil	Imp. gal.	32,737	37,350	24,461	26,201
Shipping materials .....		..	2,487,065	..	2,667,428
All other materials .....		..	147,403,393	..	139,280,881
Totals .....		..	227,679,809	..	203,861,085

TABLE 6. Factory Shipments of Industrial, Household and Business Machinery, 1957 and 1958
 (Data assembled from all industries)

Item	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
			No.	\$
Compressors and pumps:				
Air compressors:				
Stationary type .....	..	7,527,000	..	4,985,000
Portable type .....	..	1,183,000	..	1,823,000
Pumps:				
Centrifugal .....	..	9,249,000	..	7,817,000
Cistern and pitcher	10,464	68,000	8,345	61,000
Deep well	735	242,000	836	252,000
Rotary .....	..	1,099,000	..	439,000
Sump	26,782	1,121,000	29,130	968,000
Vacuum .....	..	387,000	..	171,000
Pump jacks	2,320	86,000	..	127,000
Hand Pumps	26,099	266,000	..	354,000
Self-contained household water pumping systems:				
Deep well and shallow jets	23,410	2,147,000	30,257	2,746,000
Shallow well, non-jet	31,707	2,671,000	31,501	2,927,000
Other power pumps; including direct-acting steam piston and electric	..	4,860,000	..	5,577,000
Pumps parts and accessories .....	..	4,448,000	..	4,091,000
Conveying, elevating and materials handling equipment:				
Conveyors and conveying systems:				
Gravity conveyors, (including straight and spiral chutes) .....	..	2,387,000	..	1,366,000
Portable conveyor units .....	..	836,000	..	581,000
Power conveyors:				
Belt type .....	..	11,992,000	..	8,764,000
Bucket type .....	..	2,031,000	..	1,262,000
Other conveyors, including pneumatic tube systems and parts .....	..	4,777,000	..	4,152,000
Elevators, including passenger, freight, sidewalk, dumb-waiters, escalators and parts .....	..	14,599,000	..	14,377,000
Hoisting machinery (except mine hoists):				
Cranes with swinging booms	33	1,994,000		
Chain blocks and trolleys .....	..	1,568,000		
Electric overhead travelling cranes .....	..	9,851,000		
Monorail electric hoists .....	..	453,000		
Monorail systems .....	..	1,204,000		
Hand cranes .....	..	296,000		
Winches .....	..	2,091,000		
Other hoisting machinery, including derricks and parts .....	..	3,010,000		
Powered overhead travelling cranes .....				.. 8,336,000
Other cranes .....				.. 723,000
Chain blocks and trolleys .....				.. 1,130,000
Monorail electric hoists .....				.. 370,000
Monorail systems .....				.. 371,000
Industrial hoists and lifts, stationary .....				.. 247,000
Winches .....				.. 758,000
Other hoisting machinery .....				.. 1,815,000
Attachments and parts for hoisting machinery .....				.. 203,000
Industrial trucks, tractors, trailers and stackers:				
Hand trucks (including dollies) .....	..	804,000	..	1,541,000
Lift trucks .....	..	1,386,000	..	1,371,000
Other industrial tractors, stackers, including powered types .....	..	2,594,000	..	1,648,000
Miscellaneous materials handling equipment .....	..	6,197,000	..	4,127,000
Drilling, excavating, mining and related machinery:				
Rock drilling, earth boring and related machinery:				
Rock drills, including diamond drills .....	..	2,948,000	..	2,265,000
Diamond drill bits .....	..	3,914,000	..	2,558,000
Tungsten carbide drill bits .....	..	8,466,000	..	5,400,000
Other drill bits .....	..	960,000	..	922,000
Other rock drilling, earth boring and related machinery and parts .....	..	6,618,000	..	7,664,000
Mining and ore processing machinery:				
Ball and rod mills .....	..	2,362,000	..	1,356,000
Classifiers .....	..	764,000	..	255,000
Crushers, jaw and gyratory .....	..	2,253,000	..	1,950,000
Hoists (mine hoists only) .....	..	6,727,000	..	1,377,000
Mine cars	1,797	1,502,000	860	1,207,000
Skips and cages .....	..	718,000	..	540,000
All other mining and ore processing machinery, including agitators, coal cutting machines, filters, flotation machines, screens, thickeners, etc. and parts .....	..	18,894,000	..	12,113,000

**TABLE 6. Factory Shipments of Industrial, Household and Business Machinery,
1957 and 1958 - Continued**
(Data assembled from all industries)

Item	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
			No.	\$
Construction, excavating, dredging and loading equipment:				
Power excavators (power shovels)	111	3,327,000	183	6,550,000
Bulldozing, angle-dozing and similar equipment .....	..	214,000	..	488,000
Scrapers and pull or push type graders .....	..	135,000	..	110,000
Graders, self-propelled type	182	2,982,000	190	3,080,000
Snow ploughs .....	..	897,000	..	1,172,000
Concrete mixer-agitators, truck type	158	707,000	132	721,000
Concrete, plaster and mortar mixers, other	3,113	709,000	3,685	530,000
Other mixing and paving equipment (concrete and bituminous) .....	..	432,000	..	650,000
Other construction machinery, including pneumatic hammers, demountable scaffolding etc., and parts .....	..	2,718,000	..	3,296,000
Other excavating machinery and parts .....	..	8,100,000	..	5,603,000
Other road and airport construction and maintenance machinery, including snow blowers, flushers, etc. and parts .....	..	3,226,000	..	2,923,000
Engines (excluding aircraft and automobile types):				
Turbines, hydraulic and steam .....	..	14,643,000	..	19,138,000
Diesel	162	5,239,000	525	9,718,000
Gasoline, including outboard, industrial, etc.	104,918	15,638,000	101,986	17,172,000
Steam .....	..	—	..	1,061,000
Engine parts:				
For diesel engines .....	..	1,272,000	..	1,184,000
For gasoline engines .....	..	1,357,000	..	710,000
For marine engines .....	..	1,643,000	..	2,237,000
Fire-fighting equipment:				
Pumpers	72	1,292,000	97	1,579,000
Other fire-fighting equipment, including hose trucks, ladder trucks, etc. ....	..	2,371,000	..	2,348,000
Food products machinery (including beverages and tobacco) machinery:				
Bakers' machinery:				
Mixing machines	691	692,000	658	767,000
Ovens	163	583,000	638	825,000
Other bakers' machinery and parts .....	..	547,000	..	747,000
Dairy and milk products plant machinery, excluding milking machines .....	..	1,992,000	..	2,310,000
Flour and grist mill machinery .....	..	221,000	..	405,000
Other food products machinery and parts, including milking machines .....	..	2,773,000	..	2,926,000
Foundry equipment .....	..	719,000	..	312,000
Household machinery (except refrigeration and air conditioning equipment):				
Washing machines:				
Electric:				
Automatic type	52,569	10,313,000	60,326	11,984,000
Apartment type	86	10,000	..	..
Conventional type	220,546	20,273,000	234,200	21,801,000
Gasoline type	3,546	415,000	3,686	422,000
Ironers, electric	2,740	310,000	1,754	230,000
Floor polishers, electric	205,525	6,560,000	218,747	6,744,000
Dryers, clothes, automatic electric	65,950	9,191,000	81,868	10,693,000
Vacuum cleaners:				
Electric:				
Floor models	22,516	1,681,000	25,310	1,741,000
Cylinder models	126,252	7,052,000	132,201	8,049,000
Other household machinery (including sewing machines, dishwashers, etc.) and parts .....	..	22,105,000	..	22,265,000
Metal-working machinery:				
Machine tools, metal-working:				
Boring machines	1	1	1	1
Broaching machines	1	1	1	1
Drilling machines	1	1	1	1
Grinding machines and grinders	174	122,000	569	316,000
Hammers (forging)	1	1	1	1
Lathes, engine and turret	93	588,000	92	869,000
Milling machines	1	1	1	1
Presses .....	..	1,635,000	..	2,698,000
Punching machines	1	1	1	1
Rolls, bending and straightening	434	228,000	399	161,000
Shapers	1	1	1	1
Shearing machines	217	292,000	221	184,000

TABLE 6. Factory Shipments of Industrial, Household and Business Machinery,
1957 and 1958 — Continued
(Data assembled from all industries)

Item	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
			No.	\$
Metal-working machinery—Concluded:				
Machine tools, metal-working—Concluded:				
Thread-cutting machines	1	1	1	1
Other machine tools .....	...	3,181,000	...	2,071,000
Machine tool parts and accessories .....	...	3,277,000	...	1,455,000
Metal-working machinery (except machine tools), including rolling mill machinery .....	...	4,085,000	...	4,918,000
Office, store and business machinery:				
Accounting machines	2	2	2	2
Adding machines	18,641	3,075,000	14,610	2,273,000
Addressing and mailing machines	2	2	2	2
Cash registers	2	2	2	2
Calculating machines	2	2	2	2
Card-sorting and tabulating machines	2	2	2	2
Duplicating machines	2	2	2	2
Bread-slicing machines	3	3	3	3
Meat-slicing machines	3	3	3	3
Scales:				
For stores, homes and offices	95,955	1,115,000	98,947	1,371,000
Industrial:				
Bench or portable type	3,256	1,286,000	3,887	1,000,000
Built-in or pit type	436	1,033,000	577	1,009,000
Typewriters:				
Standard, including long carriage	38,885	6,648,000	28,131	4,658,000
Portable	60,830	3,488,000	44,668	2,834,000
Electric	12,254	5,061,000	9,663	4,187,000
Time recording, job recording and time stamping machines				
Other office and business machinery .....	...	27,335,000	...	29,293,000
Other store machinery .....	...	907,000	...	982,000
Parts for office, store and business machinery .....	...	7,987,000	...	6,843,000
Printing and bookbinding machinery and parts .....	...	1,401,000	...	1,247,000
Pulp and paper industries machinery and parts .....	...	33,358,000	...	14,659,000
Refrigeration and air conditioning equipment:				
Refrigeration equipment:				
Household refrigerators:				
Household mechanical refrigerators, complete units (electric and gas), all sizes	235,539	42,430,000	228,523	39,759,000
Self-contained units:				
Milk coolers, all sizes	375	88,000	529	94,000
Ice-cream cabinets, all sizes	2,322	867,000	1,086	371,000
Beverage coolers, all sizes	5,852	1,511,000	3,720	1,175,000
Water-coolers, all sizes	68	34,000	40	20,000
Freezers—Frosted food cabinets	8	8,000	1,870	384,000
Home freezers, all sizes	20,908	4,619,000	31,685	6,714,000
Fixtures:				
Display cases, normal temperature	2,637	1,750,000	2,202	1,750,000
Low-temperature refrigerators	687	643,000	829	763,000
Reach-in refrigerators (remote only)	251	172,000	433	271,000
Sectional walk-in coolers, all types	763	963,000	852	1,024,000
Self-contained commercial refrigerator products:				
Display cases, all sizes	1,686	1,167,000	698	754,000
Reach-ins, all sizes	584	335,000	546	314,000
Evaporators:				
Unit cooler type, all sizes .....	..	350,000	..	526,000
Fin coils, all sizes .....	..	431,000	2,863	482,000
Ice-makers .....	..	34,000	627	11,000
Compressors and condensing units:				
Domestic, for assembly in individual household cabinets	35,123	1,589,000	48,212	1,473,000
Commercial—Low pressure and ammonia	3,013	607,000	3,139	1,142,000
Evaporative condensers:				
Low pressure .....	..	917,000	..	191,000
Ammonia .....	..	—	..	25,000
All other refrigeration equipment .....	..	7,556,000	..	5,505,000
Air conditioning equipment:				
Room air-conditioners, window type	4,091	837,000	1,644	396,000
Self-contained air conditioners, except window type—2-5 hp.....	230	304,000	133	241,000

**TABLE 6. Factory Shipments of Industrial, Household and Business Machinery,
1957 and 1958 — Continued**
(Data assembled from all industries)

Item	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
			No.	\$
Refrigeration and air conditioning equipment—Concluded:				
Air conditioning equipment—Concluded:				
Air conditioners, central plant, domestic	4	4		
Other air conditioning equipment, including parts, components and accessories .....	... 6,469,000		... 7,072,000	
Service industry equipment (including vending machines):				
Commercial laundry and dry cleaning equipment .....	.. 1,698,000		.. 1,727,000	
Vending machines .....	.. 123,000		.. 187,000	
Service station and garage equipment:				
Auto lifts	2,456	1,547,000	2,204	1,422,000
Gasoline-dispensing pumps	8,342	4,354,000	8,002	4,908,000
Other garage equipment .....	..	1,014,000	..	715,000
Other service industry machinery .....	..	3,120,000	..	1,094,000
Ships' machinery and fittings (except winches).....	..	7,935,000	..	4,609,000
Textile industries machinery and parts .....	..	350,000	..	266,000
Transmission equipment and bearings:				
Bearings, ball and roller, and parts .....	.. 10,386,000		.. 10,334,000	
Cut tooth and cast tooth gears .....	.. 2,700,000		.. 2,174,000	
Flexible couplings .....	.. 775,000		.. 521,000	
Pulleys .....	.. 512,000		.. 598,000	
Sprocket chain and drive chain .....	.. 1,848,000		.. 1,723,000	
Speed reducer units .....	.. 3,656,000		.. 2,374,000	
Other transmission machinery and parts .....	.. 4,400,000		.. 3,984,000	
Water and sewage treatment equipment:				
Domestic water softeners	8,610	916,000	9,050	810,000
Other water and sewage treatment equipment and parts .....	..	2,916,000	..	2,728,000
Woodworking machinery (excluding power driven hand tools and home workshop tools):				
Band sawing machines	66	210,000	40	199,000
Lathes	6	6,000	—	—
Moulder	s	s	s	s
Planers	100	186,000	135	172,000
Rip and cross cut saws	26	31,000	53	25,000
Tenoners	27	34,000	16	18,000
Other wood-working machinery and parts .....	...	1,659,000	...	806,000
General purpose industrial machinery:				
Wrapping and packaging machinery and parts .....	..	934,000	..	535,000
Crushing, pulverizing, scouring and mixing machinery and parts .....	..	1,713,000	..	1,088,000
Other general purpose industrial machinery and parts .....	..	6,017,000	..	10,514,000
Ventilating, exhaust and dust-collecting equipment .....	..	10,404,000	..	10,154,000
Special industry machinery:				
Rubber-working machinery .....	..	1,865,000	..	1,343,000
Cement mill machinery .....	..	1,492,000	..	277,000
Saw-mill machinery, including lumber handling equipment .....	..	3,324,000	..	3,618,000
Logging, machinery .....	..	1,412,000	..	969,000
Grain elevator machinery .....	..	1,859,000	..	1,731,000
Other special industry machinery and parts .....	..	12,872,000	..	9,337,000
Electrical machinery:				
Converter equipment (excluding rectifiers):				
Motor-generator sets — a.c. to d.c.	334	4,595,000	212	2,210,000
Frequency changer sets — a.c. to a.c. ....	..	85,000	14	94,000
Parts and supplies for converter equipment .....	..	556,000	..	330,000
Generators and parts (excluding automobile generators, engine-driven generator sets and motor-generator sets):				
A.c.:				
200 kva. and under, any speed	9	15,000	4	16,000
201 kva. to 1000 kva., any speed	20	163,000	21	282,000
A.c., 1001 kva. and above, all speeds	47	16,877,000	73	27,128,000
D.c. and including exciters:				
Under $\frac{1}{4}$ kw.	•	6	6	6
1 kw. to 1000 kw.	•	6	6	6
1001 kw. and over .....	..		
Accessories and parts for generators .....	..	935,000	..	235,000

TABLE 6. Factory Shipments of Industrial, Household and Business Machinery,
1957 and 1958—Concluded
(Data assembled from all industries)

Item	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
A.c. Motors (except for railway and vehicle use):				
Single phase induction:				
1/3 hp. and under (except shaded pole or universal motors)	976,516	13,619,000	991,328	13,285,000
1/2 hp. and 3/4 hp.	77,026	2,517,000	73,789	2,220,000
1 hp. to 5 hp. inclusive-open type	14,100	1,633,000	10,825	1,131,000
1 hp. to 5 hp. inclusive-enclosed type	951	129,000	1,193	144,000
Polyphase induction:				
1/3 hp. and under	3,703	112,000	3,745	124,000
1/2 hp. and 3/4 hp.	12,058	524,000	8,552	384,000
1 hp. to 5 hp. inclusive-open type	22,678	2,030,000	16,142	1,332,000
1 hp. to 5 hp. inclusive-enclosed type	9,870	1,119,000	7,255	759,000
6 hp. to 25 hp. inclusive-open type	6,154	1,708,000	4,179	912,000
6 hp. to 25 hp. inclusive-enclosed type	5,918	1,858,000	4,429	1,213,000
26 hp. to 100 hp. inclusive-open type	2,398	2,229,000	1,536	1,206,000
26 hp. to 100 hp. inclusive-enclosed type	1,324	1,470,000	1,256	1,181,000
101 hp. to 200 hp. inclusive-open type	515	1,417,000	324	941,000
101 hp. to 200 hp. inclusive-enclosed type	271	1,384,000	139	520,000
201 hp. to 1000 hp. inclusive	457	4,824,000	360	3,085,000
1001 hp. and over				
Synchronous motors and condensers:				
up to and including 200 hp. or kva.	38	179,000	14	52,000
201 hp. or kva. to 1000 hp. or kva.	124	1,051,000	44	510,000
1001 hp. or kva. and over	39	1,787,000	14	378,000
Accessories and parts for a.c. motors				
Railway and vehicle motors, a.c. and d.c.				
Shaded pole type motors, all ratings	306,993	1,371,000	187,283	1,029,000
Universal type motors, all ratings				
D.c. motors and generators, including excitors, (except for railway and vehicle use):				
D.c. motors—1/3 kw. and under	415,294	1,256,000	377,290	1,266,000
1/2 kw. and 3/4 kw.	525	79,000	222	43,000
D.c. motors or generators:				
1 hp. or kw. to 5 hp. or kw.	450	114,000	363	126,000
6 hp. or kw. to 25 hp. or kw.	181	206,000	344	560,000
26 hp. or kw. to 100 hp. or kw.	252	1,092,000	426	1,384,000
101 hp. or kw. to 200 hp. or kw.	184	1,188,000	45	464,000
201 hp. or kw. to 1000 hp. or kw.	218	3,660,000	80	1,874,000
1001 hp. or kw. and over				
All other motors or generators				
Accessories and parts for d.c. motors and generators				
Electrical appliances, motor driven, not elsewhere specified, including shavers, fans, hair clippers food mixers, electric clocks, etc.				
Welding machinery, electric				
Miscellaneous machinery:				
Blowers for domestic furnaces	152,723	2,029,000	180,026	2,306,000
Cream separators	351	45,000	62	6,000
Gas burners, residential	9,364	809,000	10,357	802,000
Lawn mowers:				
Hand	10,429	118,000	6,457	62,000
Power	134,534	6,168,000	154,208	6,561,000
Oil burners, power:				
Domestic	93,794	7,656,000	99,745	7,726,000
Commercial and industrial	468	629,000	2,445	1,346,000
Power tools, hobby and home workshop				
Saws, power chain, and parts				
Stokers:				
Domestic	754	226,000	691	191,000
Commercial and industrial	485	878,000	408	886,000
All other machinery and parts, not separately specified				
Total machinery and parts		734,382,000		681,005,000

¹ Included with "Other machine tools" to avoid disclosure of individual firms.

² Included with "Other office and business machinery" to avoid disclosure of individual firms.

³ Included with "Other store machinery" to avoid disclosure of individual firms.

⁴ Included with "Other air conditioning equipment" to avoid disclosure of individual firms.

⁵ Included in "Other woodworking machinery" to avoid disclosure of individual firms.

⁶ See under "Electric motors and parts".

⁷ Included with "All other motors or generators".

⁸ Includes rotors and stators.

TABLE 7. Principal Statistics of the Machinery Industry in Canada, classified according to Type of Ownership, 1957 and 1958

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1957		number			
1957					
Individual ownership	43	333	1,098,038	1,080,261	2,771,309
Partnerships	18	377	1,348,918	3,977,431	6,315,241
Incorporated companies	381	38,205	148,915,576	222,622,117	511,646,615
Totals	442	38,915	151,362,532	227,679,809	520,733,165
1958		dollars			
Individual ownership	40	252	797,793	871,381	2,173,280
Partnerships	17	278	1,099,568	2,812,703	4,438,245
Incorporated companies	407	32,415	132,200,121	200,177,001	451,815,354
Totals	464	32,945	134,091,482	203,861,083	458,426,879

TABLE 8. Principal Statistics of the Machinery Industry in Canada, grouped according to Value of Factory Shipments, 1957 and 1958

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1957		number			
1957					
Under \$10,000	19	26	30,567	20,588	74,769
\$10,000 to \$24,999	20	66	147,627	121,211	321,017
\$25,000 " \$49,999	35	212	529,035	398,462	1,250,823
\$50,000 " \$99,999	45	463	1,460,005	1,218,238	3,344,362
\$100,000 " \$199,999	79	1,133	4,165,742	4,378,797	10,975,104
\$200,000 " \$499,999	72	2,089	7,863,642	9,308,286	22,100,718
\$500,000 " \$999,999	60	3,567	13,785,275	21,048,293	44,875,471
\$1,000,000 " \$4,999,999	93	16,141	63,316,498	96,890,834	212,235,165
\$5,000,000 and over	19	15,148	59,580,724	94,295,100	225,555,736
Head offices	—	70	477,417	—	—
Totals	442	38,915	151,362,532	227,679,809	520,733,165
1958		dollars			
1958					
Under \$10,000	20	32	51,482	42,759	118,256
\$10,000 to \$24,999	23	57	146,661	133,219	381,557
\$25,000 " \$49,999	42	222	664,334	553,293	1,608,577
\$50,000 " \$99,999	55	511	1,779,571	1,479,935	4,035,979
\$100,000 " \$199,999	85	1,234	4,685,283	4,474,011	11,916,090
\$200,000 " \$499,999	75	2,226	9,176,204	10,244,940	25,050,257
\$500,000 " \$999,999	56	3,217	13,360,049	18,451,017	41,185,414
\$1,000,000 " \$4,999,999	95	14,905	59,773,862	92,956,363	204,122,172
\$5,000,000 and over	13	10,470	43,966,691	75,525,548	170,008,577
Head offices	—	71	493,345	—	—
Totals	464	32,945	134,097,482	203,861,083	458,426,879

TABLE 9. Employees and Earnings in the Machinery Industry, by Provinces, 1957 and 1958

Province	Employees						Earnings						
	Supervisory and office		Production and related workers		Total em- ployees	Supervisory and office	Production and related workers	Total earnings					
	Male	Female	Male	Female									
number													
dollars													
1957													
Newfoundland and New Brunswick	30	7	140	—	177	221,823	450,973	672,796					
Nova Scotia	34	7	360	2	403	183,266	1,070,369	1,253,635					
Quebec	2,746	919	7,919	483	12,067	14,606,880	30,146,872	44,753,752					
Ontario	5,108	2,057	15,120	1,027	23,312	32,418,030	60,247,981	92,666,011					
Manitoba	93	31	289	10	423	532,756	990,363	1,523,119					
Saskatchewan	21	9	115	—	145	102,899	375,041	477,940					
Alberta	62	17	213	2	294	299,967	793,954	1,093,921					
British Columbia	434	144	1,427	89	2,094	2,835,757	6,085,601	3,921,358					
Canada	8,528	3,191	25,583	1,613	38,915	51,201,378	100,161,154	151,362,532					
1958													
Newfoundland and New Brunswick	31	9	138	—	178	229,860	444,000	673,860					
Nova Scotia	27	7	173	—	207	148,078	582,575	730,653					
Quebec	2,605	766	6,033	356	9,760	14,512,614	21,723,491	36,236,105					
Ontario	5,003	1,994	13,159	877	21,033	34,123,277	55,238,312	89,361,589					
Manitoba	99	38	290	17	444	637,189	1,040,232	1,677,421					
Saskatchewan	13	9	87	3	112	91,970	294,743	386,713					
Alberta	16	10	84	1	113	124,385	314,728	439,113					
British Columbia	272	81	718	27	1,098	1,658,078	2,933,950	4,592,028					
Canada	8,068	2,914	20,682	1,281	32,945	51,525,451	82,572,031	134,097,482					

TABLE 10. Production Workers, by Months, 1958

	Establishments reporting monthly detail ¹		Establishments not reporting monthly detail ¹		All establishments		
	Male	Female	Male	Female	Male	Female	Total
number							
January	21,298	1,403					
February	20,648	1,242					
March	20,578	1,239					
April	20,411	1,238					
May	20,269	1,240	514	16	20,783	1,256	21,939
June	20,197	1,182					
July	20,040	1,088					
August	19,872	1,177					
September	19,939	1,247					
October	19,774	1,308					
November	19,747	1,352					
December	19,530	1,374					
Average ²					20,682	1,281	21,963

¹ The number of production workers, by months, was generally collected only for establishments reporting value of shipments of \$100,000 and over. For smaller establishments, only the number employed during the last pay period of May, 1958 was collected.

² The average for establishments generally reporting shipments of less than \$100,000 was estimated by using average annual earnings data from the large establishments in conjunction with reported payrolls for the small establishments.

TABLE 11. Capital and Repair Expenditures in the Machinery Industry, 1954-58

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
thousands of dollars							
1954	4,164	9,731	13,895	1,720	4,544	6,264	20,159
1955	3,853	8,917	12,770	1,835	4,849	6,684	19,454
1956	6,017	13,471	19,488	2,064	7,298	9,362	28,850
1957	11,342	15,905	27,247	2,129	6,271	8,400	35,647
1958	5,662	10,400	16,062	1,803	5,984	7,787	23,849

Note: Figures for the current year are preliminary.

TABLE 12. Fuel and Electricity Used in the Machinery Industry, 1958

	Kind		Quantity	Cost at plant
				\$
1. Establishments reporting commodity detail: ¹				
Bituminous coal (a) From Canadian mines	ton	10,252	143,466	
(b) Imported	"	31,568	406,473	
Sub-bituminous coal (from Alberta mines only)	"	151	2,270	
Anthracite coal	"	2,624	38,097	
Lignite coal	"	635	5,462	
Coke (for fuel only)	"	1,094	36,338	
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	931,618	371,453	
Fuel oil including kerosene or coal oil	"	10,393,183	1,230,200	
Wood (cords of 128 cubic feet of piled wood)	cord	183	1,658	
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	113,872	26,668	
(b) Other manufactured gas	M cu. ft.	40,925	48,990	
(c) Natural gas	"	152,119	156,192	
Other fuel			23,925	
Electricity purchased	kwh.	148,683,583	1,833,323	
Steam purchased			62,469	
Total .....		...		4,386,984
2. Establishments not reporting commodity detail: ¹				
Total cost of fuel .....		...	56,318	
Total cost of electricity .....		..	51,228	
3. All establishments:				
Total cost of fuel .....		...	2,609,979	
Total cost of electricity .....		..	1,884,551	
Total cost of fuel and electricity .....		...	4,494,530	

¹ Data on the quantity and value of the different kinds of fuel and on the quantity of electricity purchased were generally not collected for establishments reporting value of shipments of less than \$100,000. Only the total cost of fuel and the total cost of electricity were collected for these establishments.

TABLE 13. Total Horsepower Rating of Power Equipment in Use or Available for Use in the Machinery Industry at the end of 1958

Type of equipment	Driving generators	Not driving generators
		horsepower
A. Prime movers		
Steam engines	325	135
Steam turbines	3,480	62
Diesel engines	620	300
Gasoline, gas and oil engines, other than diesel engines	425	841
Hydraulic turbines or water wheels	—	62
Totals	4,850	1,400
B. Electric motors (one-quarter horsepower and over)	—	151,269

Directory of firms Included in the Machinery Industry, 1958

Name of firm	Location of plant
(a) Household, Office and Store Machinery	
New Brunswick:	
Sussex Refrigeration Co. Ltd.	Sussex
Quebec:	
Arrow Sewing Machine Co. Ltd.	754 Wellington, Montreal
Associated Clock Industries, Limited	298 Charon St., Montreal
Astley, Robert, (Reg'd)	8 Duluth E. Montreal
Blanchard Industries Reg'd.	7779 Casgrain, Montreal
Blank, Wm., Mfg. Co.	4677 City Hall, Montreal
Canada's Best Refrigeration Equipment	8607 Notre Dame St. E., Montreal
Canadian Fairbanks-Morse Company, Limited	980 St. Antoine St., Montreal
Canadian Super Cold Ltd.	1045 Lautier Ave. W., Outremont
Coinex Manufacturing Reg'd	618 St. Jacques St., St. John's
Connor, J.H. & Son, Ltd.	20 Lois St., Hull
Fabien, C.P., Ltd.	2471 St. Cunegonde St., Montreal
Gauvin Inc.	220 Rue Lee, Quebec 2
J.E. Hall Ltd., Canadian Refrigeration Division	5031 Cote de Liesse Road Montreal 9
Lite, A.R. Mfg. Co.	2635 Aird Ave., Montreal
New Williams Mfg. Co. Ltd., The	2740-50 Notre Dame St. E., Montreal 4
Pantex Manufacturing (Canada) Ltd.	3556 St. Lawrence Blvd., Montreal
Royal Typewriter Company, Limited	7035 Park Ave., Montreal 15
Singer Mfg. Co.	165 St. Paul St., St. Johns
St. Johns Sheet Metal Ltd.	122 rue Jacques Cartier, St. Johns
Super Industries Co. Reg'd.	252 Mozart St. E., Montreal 10
Verdun Machine Shop Reg'd.	480 Rothsay St., St. Lambert, Chambly Co.
Ontario:	
Air Coils Manufacturing Co. Ltd.	29 Brock St., North Oakville
Atlantic Service Company, Limited	62-66 Howden Rd., Scarborough
Beatty Bros. Limited	Hill St., Fergus
Better Packages of Canada, Limited	250 Adelaide St. W., Toronto 1
Bissell Carpet Sweeper Co. of Canada Ltd.	Drummond Rd. & Murray St., Niagara Falls
Blakeslee, G.S. & Company, Limited	18 Cranfield Rd., Toronto 16
Brantford Washing Machines, Limited	14 Grey St., Brantford
Burroughs Machine Limited	804 McDougall St., Windsor
Canada Vulcanizer & Equipment Co. Ltd.	Clarke Side road, London
Canadian Business Machines Ltd.	5495 Dundas St. W., Toronto 18
Canadian Ice Machine Company, Limited	65 Villiers St., Toronto 2
Canadian Laundry Machinery Company, Limited	47-93 Sterling Road, Toronto 3
Canadian Scale Company, Limited	305 Horner Ave., Toronto 14
Clary Multiplier of Canada Ltd.	979 O'Connor Drive, Toronto
Coffield Washer Company, Limited	77-91 Niagara St., Hamilton
Easy Washing Machine Company, Limited	76 Miranda, Toronto 10
Fairgrieve & Son Limited	44 Dovercourt Road, Toronto
Frozenaire Cooler Company	Glenridge Ave., St. Catharines
Gurney Scale Company Limited	1176 Howard Road, Burlington
Heavy Duty Products	635 Laurel St., Preston
Hobart Manufacturing Company, Limited	175 George St., Toronto 2
Hobart Manufacturing Company, Limited	Bay Shore Rd., Owen Sound
Hussmann Refrigerator Co. Ltd.	Frank St. & Webster Sts., Brantford
Ideal Vendor Co., of Canada Ltd.	Main St., Deseronto
Ingles, John, Co. Limited	14 Strachan Ave., Toronto 3
International Business Machines Company,	Don Mills Road, Toronto 6
Maxwells Limited	73 Park St., St. Mary
Milner, Edward, Co. Ltd.	311 Pharmacy Ave., Toronto 16
National Cash Register Co. of Canada, Limited	222 Lansdowne Ave., Toronto 3
Northern Eureka Refrigerator Co. Ltd.	260 Main St. S., Weston
Ontario Refrigeration Enterprises	Old Kingston Rd., Highland Creek
Perrin-Turner Limited	34 Mendota Rd., Toronto 14
Pitney-Bowes of Canada, Ltd.	909 Bay St., Toronto 5
Provincial Butchers Machinery Co. Limited	393A Arlington Ave., Toronto 10
Remington Rand, Limited	301 Sherman Ave. N., Hamilton
Scale, E.W., Co. Ltd.	5 Six Points Road., (Toronto 18)
Simplicity Products Limited	125 Guelph Ave., Hespeler
Smith-Corona Canada Ltd.	30 Bertrand Ave., Toronto 13
Stathmos Scale Mfg., Ltd.	417 Birchmount Rd., Toronto 13
Stearmarvel Co.	42 Camden St., Toronto
Thor Industries Limited	75 Brown's Line, Toronto 14
Toledo Scale Co. of Canada, Ltd.	2462 Howard Ave., Windsor

Directory of Firms Included in the Machinery Industry, 1958 — Continued

Name of firm	Location of plant
(a) Household, Office and Store Machinery — Concluded	
Ontario — Concluded	
Underwood Manufacturing Company, Limited	375 Madison Ave., Toronto 5.
Victor Adding Machine Co. (Canada) Ltd.	Beverley St., Galt
White Mop Wringer Co. of Canada	Paris
Manitoba:	
Bell Refrigerator Co. Ltd.	1760 Sargent Ave., St. James, Winnipeg 12
Polar Equipment Co. Limited	467 Provencher Ave., St. Boniface
British Columbia:	
Gair, Alex	955 East Hastings St., Vancouver 4
Skinner, Thomas & Son, Limited	51 W. Cordova St., Vancouver 4
(b) Machine Tools	
Ontario:	
Algic Machine Tool Limited	45 Algic Ave., Toronto 14.
Bertram, John, & Sons Company, Limited	15 Hatt St., Dundas
Blow Press Limited	153 Bower Ave., Acton
Brown Boggs Foundry & Machine Company, Limited	275 Sherman Ave. N., Hamilton
Canada Machinery Corporation, Limited	19 Concession St., Galt
The Ford Smith Machine Company, Limited	925 Barton St. E., Hamilton
Peerless Machine & Tool Company Limited	47-59 Duke St., Guelph
Sheffield Tool & Gage of Canada, Ltd.	7100 Tecumseh Road East, Windsor
Standard Modern Tool Co. Ltd.	69 Montcalm Ave., Toronto 10
Standard Modern Tool Co. Ltd.	3030 Walker Rd., Sandwich East Twp.
Retro Developments Limited	Argyll Road, Galt
Rite Tool Company Ltd.	1650 Langlois Ave., Windsor
Upton Bradeen & James, Ltd., The R. McDougall Division,	50 Chapman St., Galt
Whitehall, Harry W., Limited	Galt & Hespeler
(c) Machinery, N.E.C.¹	
Newfoundland:	
Barnes Marine Engines	26 Water St., St. John's
Canadian Machinery & Industry Construction Ltd.	Topsail Rd., St. John's
Nova Scotia:	
Acadia Gas Engines, Limited	King St., Bridgewater
Chisholm Industries Ltd.	216 Stellarton Road, New Glasgow
Dominion Steel & Coal Corp. Ltd., Trenton Industries Div.	Main St., Trenton
Hawboldt Gas Engines Ltd.	Chester
Oxford Foundry and Machine Company, Limited	Foundry St., Oxford
New Brunswick:	
Lauder, Rudolph W.	Hillsborough
Northern Machine Works Limited	Main St., Bathurst
Quebec:	
All Canada Engineering Co. Ltd.	960 Lafayette Ave., Montreal South
American Air Filter of Canada Ltd.	400 Stinson Blvd., Montreal 9
Ashworth Card Clothing Co. Limited	316 St. Hubert St., Granby
Automatic Dispensers Mfg. Ltd.	7501-18e Ave., Ville St., Michel, Montreal 38
Autostair Limited	1970 rue Cascades St. Hyacinthe
Baldwood, John, and Sons, Limited	66 Nazareth St., Montreal
Canadian Allis-Chalmers Ltd.	125 St. Joseph St., Lachine
Canadian Ingersoll-Rand Company, Limited	375 Courcellette St., Sherbrooke
Cement Block & Machinery Supply Reg'd.	227, rue Royal, Sorel
Comar Manufacturing Co.	2100 St. Clement, Montreal 4

See footnote page 26.

Directory of Firms Included in the Machinery Industry, 1958 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C.¹ - Continued	
Quebec - Concluded:	
Cowan Dynamics Limited	105 Union St., Ville St. Pierre
Coté Bros. & Buritt Ltd.	1280 Conde St., Montreal
Côté, Jos., Inc.	St. Ephrem
Crammond & Son Limited	4865 Dagenais St., Montreal 30
Cusson Frères Ltée	5759 Hochelaga St., Montreal
Darling Brothers, Limited	140 Prince St., Montreal
DesRoberts Enrg.	2399 Royale, Three Rivers
Dominion Engineering Works, Limited	1st. Avenue, Lachine
Farr Company Manufacturing Ltd.	105 Port Royal St. W., Montreal 12
Forano Limited	St Paul St., Plessisville
Glass Sterilizers Limited	5886 Papineau, Montreal
Griswold Engineering Limited	146 Bates Road, Montreal
Gosselin, J.A., Co. Limited.....	301 Hebert St., Drummondville
Hall Machinery of Canada Ltd.	124 Grandes Fourches St. S., Sherbrooke
Har-Pur Products Ltd.	146 - 14th St., Noranda
Harrington Tool & Die Company Ltd.	735 - 755 - 1st. Ave., Lachine
Hartco Steel Products Ltd.	Black Lake, Megantic
Hollinger Machine Co. Ltd.	9800 St. Urbain St., Montreal
Hydraulic Machinery Co. Ltd.	1243 Dorion St., Montreal
Industrial Contractor Co.	2450 Duquesne Montreal 28
Jeffrey Mfg. Co. Limited	300 St. Patrick St., Ville La Salle
L'Air Liquide	2269 Viau St., Montreal
La Compagnie F.X. Drolet	245 Dupont St., Quebec
La Fonderie St. Anselme Ltée	St. Anselme Station
La Fonderie Trottier Inc.	St. Casimir
Leclerc Truck equipment Reg'd	35 - 35e Rue Est, Charlesbourg
Les Scies Mercier Ltée	26 Coté Fréchette, Lévis
Little Steel Products Limited	10,221 St. Laurent, Montreal 12
Machinerie Etchemin Enrg.	23 rue Jacques-Cartier, St-Romuald
Messely & Fils Enrg.	495 - 21éme Ave., Québec
Montreal Gear Works Ltd.	3425 Montgomery St., Montreal 34
Montreal Shoe Machinery Company, Limited	535 Ontario St. E., Montreal
Matthew Moody & Sons Ltd.	Terrebonne
Munroe Engineering Limited	2454 Des Carrières St., Montreal
Nagle Elevator Company, Inc.	1085 Chenneville St., Montreal
National Electric Refrigerator Ltd.	Montmagny
N.C. Refrigeration & Store Fixtures Reg'd	1795 Hindland Ville Jacques Cartier
Paquin, Alph., & Fils	568, rue St-Antoine, Joliette
Peacock Bros. Ltd.	260 St-Patrick St., Ville La Salle
Peltier Handling Equipment Company, Limited	4285 Notre Dame E., Montreal 4
Pneumatic & Hydraulic Co. Ltd.	592 Sicard St., Montreal
Poitras, Jos., et Fils Ltée	L'Isletville
Pulp & Paper Mill Accessories, Limited	6139 Coté de Liesse Rd., St. Laurent
Rack Industries of Canada, Ltd.	Normandy Blvd., Farnham
Ross Engineering of Canada, Limited	304 St. Patrick St., Ville La Salle
Rubenstein Bros. Company	50 Craig St. W., Montreal
Sepco Electric Products Corp.	422 McGill St., Montreal
Sherbrooke Machineries, Limited	800 Randill St., Sherbrooke
Southern Industries, Limited	391 Theberge St., Marieville
St. Pierre G.E., & Fils Ltée.	St. Germain de Grantham
Stone Machinery & Equipment Limited	3455 Montgomery St., Montreal 34
Technical Accessories Limited	5595 Fullum St., Montreal 36
Thibault, Pierre Canada Ltée	Pierreville
United Shoe Machinery Company of Canada, Limited	2610 Bennett Ave., Montreal
Vessot, S., Co, Limitée	603 Querbes Blvd., Joliette
Victory Tool & Machine Company, Ltd.	236 - 250 Rose de Lima, Montreal
Vincent, Hector	St. Valerien
Wilson Machine Company, Limited	161 Nazareth St., Montreal
Ontario:	
A.P.V. (Canada) Equipment Ltd.	56 Charles St., Newmarket
Adams, J.D., Limited	Adams Ave. and Spruce St., Paris
Adcline Limited	112 Rivalda Road, Toronto 15
Airetool Canada Ltd.	37 Spalding Drive Brantford
Albany Pump Company	840 King St.. Toronto 2B
American Can Company	Lewis Ave., Niagara Falls
American Marsh Pumps (Canada) Ltd.	286 Monteith Ave., Stratford
American Standard Products (Canada) Ltd.	310 Ellis St. East Windsor

Directory of Firms Included in the Machinery Industry, 1958 — Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. — Continued	
Ontario — Continued:	
Anderson, J.W., Co. Ltd.	Head St., Dundas
Anglo Electromatic Elevators Canada Ltd.	346 Munster Ave., Toronto 18
Arcan Eastern Limited	Reid & Dunsmure, Hamilton
Ardelt Industries of Canada Ltd.	181 Henry Sturm Blvd., Kitchener
Armstrong, S.A., Limited	1400 O'Connor Drive, Toronto 16
Ashton Press Mfg. Co. Ltd.	60 Beech St., Ottawa 1
Atlas Engineering and Machine Company Limited	16 Eastern Ave., Toronto 2
B. & K. Roller Die Co. Ltd.	31 Milford Ave., Toronto 15
B.L.M. Automatic Clutch Corp. of Canada Ltd.	28 Covert St., Cobourg
Baer Elevator Supplies Limited	50 Pearl St., Toronto 1
Barber, Chas., & Sons	Bayfield St., Meaford
Barber — Greene Canada Limited	Barber-Greene Rd., Don Mills
Bata Engineering Div. of Bata Shoe Co. of Canada Ltd.	Batawa
Bauer Bros. Co. (Canada) Ltd.	192 Mary St., Brantford
Bawden Industries, Limited	163 Sterling Road, Toronto 3
Bawden, Ray, Limited	150-154 Bentworth Ave., Toronto
Beatty Machine & Tool Works Limited	103 Crockford Blvd., Scarborough
Beckett Elevator Limited	83 Pape Ave., Toronto
Bee, F.	33 Fidler Ave., Woodstock
Bellows Pneumatic Devices of Canada Ltd.	14 Advance Road, Toronto
Bettger Industries Ltd.	649 Ontario St., Stratford
Bowser, S.F., Company, Limited	344 Sherman Ave. N., Hamilton
Brantford Oven and Rack Company, Limited	Brock & Campbell Sts., Brantford
Bridgen Manufacturing Co.	Hornby
Bridgewater Machine Co. (Canada) Ltd.	205 Mary St., Brantford
Bright Leaf Industries Limited	Delhi
Brown Fintube (Canada) Ltd.	95 Woodworth Ave., St. Thomas
Brunner Corporation (Canada) Limited	Peter St., Port Hope
Buckman Saw Grinder Mfg. Co.	Fort Erie
Bucyrus-Erie Co. of Canada, Ltd.	200 Woodlawn Road, Guelph
Burnside, Harry	442 King St. W., Toronto 2B
Byron Jackson of Canada Ltd.	23 Bertrand Ave., Scarborough
C.L.C. Machinery Co.,	196-8 Grant Ave., Hamilton
Callwood Equipment Limited	34 Crockford Blvd., Scarborough
Campbell & Perrin Machinery Ltd.	399 Breithaupt St., Kitchener
Canadian Baker & Perkins Ltd.	Hanson Road, Brampton
Canadian Blower & Forge Co. Ltd.	90 Woodside Ave., Kitchener
Canadian Clark Ltd.	Talbot St. East, St. Thomas
Canadian Industrial Engineering	7 Raleigh Ave., Toronto 18
Canadian Longyear, Limited	1111 Main St. W., North Bay
Canadian Mechanical Handling Systems Ltd.	3380 Marentette Ave., Windsor
Canadian Mines Equipment Company, Limited	596 Hamilton Road, London
Canadian Monorail Co. Ltd.	151 Water St. S., Galt
Canadian Pneumatic Tool Co. Ltd.	198 Evans Ave., Toronto 14
Canadian S.K.F. Co. Ltd.	2201 Eglington Ave. E., Scarborough
Canners' Machinery, Limited	Wellington Heights, Simcoe
Chain Belt (Canada) Ltd.	1181 Sheppard Ave. E., Willowdale
Clarke, D.R., Engine Co. Ltd.	2462 Dufferin St., Toronto
Climax Baler Company, Limited	43-53 Burton St., Hamilton
Cober Elevator Manufacturing Company	137 Roncesvalles Ave., Toronto 3
Cochrane Water Conditioning Ltd.	1355 Martin Grove Rd., Rexdale
Continental Motors of Canada Limited	Gaylord Road St., Thomas
Cooke & Denison Limited	31 Yarmouth St., Guelph
Cooper-Chapman Ltd.	23 Sable St., Toronto 15
Crane Carrier Canada Ltd.	3 Parnell Ave., Toronto 13
Crown Controls Mfg., Ltd.	139 Dundas St., Kitchener
CYR, R.J., Co.,	1263 McDougall St., Windsor
Dalby Machine Shop	45 Forsythe St. S., Oakville
DaRriago Bros. Mfg. & Sales	37 Church St., Toronto 1
Day Co. of Canada Ltd., The	N. Vickers St., Fort William
Day Co. of Canada, Ltd., The	15 Brydon Drive, Toronto
Delamere & Williams Company, Limited	35 Carson St., Toronto 14
Dept. of Transport, Marine Services Branch	King St. W., Prescott
De Vilbiss (Canada) Ltd.	Wood St., Barrie
Dillon, Thomas A., Limited	2775 Dufferin St., Toronto 10
Docylco Limited	15 Oakland Ave., Toronto 15
Dodge Mfg. Division of United Steel Corp. Ltd.	58 Pelham Ave., Toronto 9
Dominion Auto-Drive, Limited	3500 Ontario St., Windsor
Dominion Road Machinery Company, Limited	Maitland Road, Goderich

Directory of Firms Included in the Machinery Industry, 1958 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C.¹ - Continued	
Ontario - Continued:	
Dominion Rubber Company, Limited	Glasgow St., Kitchener
Don Transmission & Conveyors, Ltd.	65 Crockford Blvd., Toronto
Dorr-Oliver-Long Limited	174 West St. S., Orillia
Douglas, Brown & Campbell, Limited	Melbourne
Dundas Foundry & Engineering Co.	97 Main St. W., Hamilton
Emerson - Pryne of Canada Limited,	550 Hopewell Ave., Toronto 10
Epps, Manufacturing Ltd., (C.H.)	Clinton
Equipment Manufacture & Design Co.,	Burlington
Etmeco Limited	370 Munster Ave., Toronto 18
Excello Corporation of Canada Ltd.	120 Weston Rd., London
Factory Equipment, Ltd.	Berezy St., Aurora
Fastcut Bits Limited	Lakeshore Road, Ferris
Fellows, J.A., Company Limited	27 Jarvis St., Brantford
Fenney, Thos. H., Machinery & Tools	635 Glebeholme Blvd., Toronto 6
Fine Pitch Gears Limited	322 Lumsden St., Toronto
Fiorentini Canada Ltd.	Rexdale Blvd., Toronto 15
Fischer Bearings Mfg. Ltd.	Ontario St., Stratford
Fisher & Ludlow, (Canada) Ltd.	Ajax
Fisher Gauge Works, Ltd.	194 Sophia St., Peterborough
Fleck, The Alexander, Ltd.	75 Spencer St., Ottawa 3
Foreman Marine & Pump Ltd.	31 Jutland Road, Toronto 18
Fraser, Kenneth S., Co. Ltd. (Industrial Truck Div.)	960 Eastern Ave., Toronto 8
Gardner-Denver Co. (Canada) Ltd.	Dundas St., Woodstock
Gilbert and Barker Manufacturing Company, Limited	64 Jefferson Ave., Toronto 3
Glider Guard Manufacturing Co. Ltd.	1151 Tecumseh Rd., Windsor
Goodwin Chuck Company, Limited	260 Colborne St., Brantford
Greely Mixing Equipment, Ltd.	100 Miranda Ave., Toronto 10
Halton Metal Products	Oakville
Hamilton Gear and Machine Company Ltd.	950 Dupont St., Toronto 4
Hammer Pump Co.	Shelburne
Hastings Machine Tools Ltd.	600 Montrose Road, Niagara Falls
Heath and Sherwood Limited	6 Duncan Ave., Kirkland Lake
Hein-Werner of Canada Limited	Fairall St., Ajax
Hi-Lo Equipment (Canada) Limited	49 Main St., Mimico
Howden, James, & Co. of Canada Ltd.	1510 Birchmount Road, Scarborough
Hubbard Portable Oven Company of Canada, Limited	154 Duke St., Toronto 2
Iroquois Equipment Limited	45 Torbarrie Road, Downsview
Involute Gear Co.	321 Howland Ave., Toronto 4
J.M.G. Manufacturing Co. Limited,	Thornbury
Jackson-Cochrane Division, Beisinger Industries Ltd.	16 Victoria St. N., Kitchener
Jacuzzi Universal (Canada) Ltd.	Rexdale Blvd., Toronto 15
Jaegar Machine Co. of Canada Ltd.	Gaylord Rd., St. Thomas
Joy Manufacturing Company (Canada) Ltd.	175 Beverly St., Galt
Kennedy, The William, & Sons, Ltd.	1144-1st Ave. W., Owen Sound
King, G.W. of Canada, Ltd.	937 Cumberland Ave., Burlington
King Seagrave, Limited	Young St., Woodstock
Kingsville Pump & Machine Co. Ltd.	Kingsville
Koehring-Waterous Ltd.	South Market St., Brantford
La France Fire Engine and Foamite, Limited	195 Old Weston Rd., Toronto 9
Lau Products Limited	150 Borden Ave. S., Kitchener
Leitch, Arthur S., Company, Limited	33 Torbarrie Rd., Downsview
Link-Belt Ltd.	1960 Eglinton Ave. E., Toronto
Loach, S.W., & Son, Ltd.	731 Eastern Ave., Toronto
London Concrete Machinery & Rainbow Irrigation Systems	980 Roselawn Ave., Toronto 10
Magicure Manufacturing Limited	Corner Cabell & Kitchener Ave., London
Mahaffy Iron Works Company, Ltd.	Simcoe
Marsland Precision Equipment Ltd.	145 Kendal Ave., Toronto 4
Mathews Conveyer Company, Limited	230 Regina St. N., Waterloo
McCulloch of Canada Limited	Cobourg Rd., Port Hope
McDonald, K.R., Knitting Machines	25 McCulloch St., Rexdale
McInnis, C.H., Company Limited	45 Market St., Georgetown
McKechnie, James A., Limited	2500 Central Ave., Windsor
McLachlan, John, Foundry	61 Raleigh Ave., Toronto 13
Midland Foundry & Machine Co. Ltd.	Laidlaw St. N., Cannington
Morissette Mfg. & Sales Limited	223-225 Bay St. W., Midland
Morris, Herbert, Crane & Hoist Co., Limited	Browning St., Halleybury
Morse Chain of Canada Ltd.	Stanley Ave., Niagara Falls
Nagy, Alex J., Co.	385 Second Ave., Simcoe
	4342-1st Line W., Cooksville

Directory of Firms Included in the Machinery Industry, 1958 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. ¹ - Continued	
Ontario - Continued:	
Napanee Iron Works Limited	51 Ann St., Napanee
National Equipment Company, Limited	41 Wabash Ave., Toronto 3
Northern Crane & Hoist Works Limited	1428 Argyle Road, Windsor
Odd, H., Centerless Grinding Limited	809 Victoria St. N., Kitchener
Oil Well Supply Company, Limited	Robert St., Petrolia
Opal Manufacturing Company	526 Bay St., Toronto 2
Otis Elevator Company, Limited	414 Victoria Ave. N., Hamilton
Outboard Marine Corporation of Canada, Limited	910 Monaghan Rd., Peterborough
Paasche Airbrush (Canada) Ltd.	864 Page Ave., Toronto 6
Packsack Diamond Drills Ltd.	1385 Hammond, North Bay
Paramount Gear Works Ltd.	1247 Lawrence Ave. W., Toronto 15
Parkhill Machinery Co., Ltd.	Mill & Station Sts., Parkhill
Patterson Foundry & Machine Company (Canada) Ltd.	250 Danforth Road, Toronto 13
Pendrith Machinery Company, Limited	775 King St. W., Toronto 2B
Perrin, Wm. R., Limited	530 King St. E., Toronto 2
Peterson Filters of Canada Ltd.	696 Yonge St., Toronto
Phin Sales Co.	26 Lipton Ave., Toronto 6
Phoenix Mfg. Co.	198 Martin St., Milton
Pinder Bros.	2 Otonabee, Willowdale
Plewes-Jackson Engineering, Limited	58 Fraser Ave., Toronto 3
Pneuma-Serve Limited	42 Queen Elizabeth Blvd., Toronto 14
Power Lawn Mowers Ltd.	1161 King St., London
Premier Tool & Die Limited	86 Tycos Drive, Toronto 19
Preston Woodworking Machinery Company, Limited	Railway St., Preston
Price Machine Products	Norfolk St. S., Simcoe
Provincial Engineering Limited	674 Ferguson St., Niagara Falls
Pumps & Softeners, Limited	680 Waterloo St., London
Rapistan Canada Ltd.	888 Dupont St., Toronto
Richardson, C., and Company, Limited	Wellington St. S., St. Mary's
Roberts, F.W., Manufacturing Company of Canada, Limited	473 Buttrey St., Niagara Falls
Rock Drill Rod Co., Ltd.	25 Edgar Ave., Toronto 15
Rockwell Mfg. Co. of Canada Ltd.	40 Wellington, Guelph
Roeofson Elevator Company, Limited	5001 Dundas St. W., Toronto 18
Rotary Lift Co. of Canada Ltd.	337 Richmond St., Chatham
Reddy Elevator Co. Limited	39-45 Duchess St., Toronto 2
Sandy Road Equipment Limited	Victoria St., Goderich
Scott Hydraulics-Pneumatics Ltd.	#11 Highway N., North Bay
Shaft Machines Ltd.	100 Adelaide St. W., Toronto
Shaw, Francis, (Canada) Ltd.	38 Grahams Lane, Burlington
Shearing Elbow Machinery	16 Concession St. W., Tillsonburg
Sheldons Engineering Limited	96 Grand Ave. S., Galt
Simpson Bros. Machine Co. Ltd.	4530 Kingston Road, West Hill
Smart-Turner Machine Company, Limited	191 Barton St. E., Hamilton
Sta-Rite Pumps, (Canada) Ltd.	Fairall St., Ajax
St. Lawrence Engine Company, Limited	10 St. Andrew St., Brockville
Stratford Machine & Tool Co.	684 Ontario St., Stratford
Sparkler International, Ltd.	1115 Castlefield Ave., Toronto 10
Stephens-Adamson Mfg. Co. of Canada Ltd.	30 Franklin St., Belleville
Stevens Company of Galt Ltd.	12 Rose St., Galt
Sturtevant, B.F., Co. of Canada Ltd.	Middleton St., Galt
Super Oil Seal Mfg. Co. Limited	Park Rd., & Henry St., Brantford
Tecalemit (Canada) Ltd.	Rexdale Blvd., Rexdale
Thamesville Tool & Die Limited	Thamesville
Timberland Machines Limited	Devonshire Rd., Woodstock
Timken Roller Bearing Co.	1055 Talbot St., St. Thomas
Tokheim-Reeder of Canada Ltd.	26 Fieldway St., Toronto
Torrington Mfg. Co. of Canada Ltd.	201 Speers Rd., Oakville
Tortex Machine Works Ltd.	485 Wellington St. W., Toronto
Trion (Canada) Limited	90 Brimley Road (Rear) Toronto 13.
Turnbull Elevator Company, Limited	126 John St., Toronto 2B
Universal Logloaders Ltd.	296 Kendall Ave., Eastview
United Steel Corporation, Limited, Canadian Mead-Morrison Div.	317 King St., Welland
Viceroy Manufacturing Co., Ltd.	1655 Dupont St., Toronto 9
Vickers, Sperry of Canada Ltd.	92 Advance Road, Toronto
Viking Pump Company of Canada, Limited	661 Grove Ave., Windsor
Volta Manufacturing Co., Ltd.	Alexander St., Welland
Wallace & Tierman Limited	925 Warden Ave., Scarborough
Wards Oven Co.	39 Mitchell Ave., Toronto
Waterloo Manufacturing Co. Ltd.	67 King St. S., Waterloo

Directory of Firms Included in the Machinery Industry, 1958 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C.¹ - Continued	
Ontario - Concluded:	
Water Softening Equipment Ltd.	112 Manville Rd., Scarborough
Watson, The John, Mfg. Co. Ltd.	Ayr
Wayne-Crothers Limited	722 Warden Ave., Scarborough
Wayne Pump Company	829 Richmond St. W., Toronto
Webb, Jervis B., Co. of Canada Ltd.	715 Beach Rd., Hamilton
Webster Air Equipment Co. Limited	1161 King St. E., London
Wellman, S.K., Co of Canada Ltd.	208 Bartley Drive, O'Connor Drive, Toronto 16
West Bend Aluminum Co (Canada) Limited	Barrie
Westco Pump & Engineering, Limited	7 Stewart St., Toronto 2B
Williams Machines, Limited	311 Montrose St., Preston
Wood, John, Co. Ltd.	101 Hanson St., Toronto 6
Worthington (Canada) 1955 Ltd.	R.R. #1, Brantford
Yates P.B., Machine Company, Limited	Cathcart & Robert Sts., Hamilton
Manitoba:	
Alpha Manufacturing Company, Limited	Notre Dame & Midland, Winnipeg
Dauphin Products Ltd.	1448 Erin St., Winnipeg 3
Filtersoft Limited	244 Princess St., Winnipeg 2
Hedley, Percy E., & Sons	Hamiota
Klpp-Kelly, Limited	68 Higgins Ave., Winnipeg
Krushel, L., & Sons	Morden
Made-Well Mfg. Co.	Sifton
Manitoba Gear Specialities	205 Osborne, Winnipeg
McLean Machinery Co. Ltd.	125 Pacific Ave., Winnipeg
Midwest Mining Supplies Ltd.	860 King Edward St., Winnipeg 12
Monarch Machinery Co. Ltd.	889 Erin St., Winnipeg
Oshkosh Filter & Softener Co. (Canada) Ltd.	721 Assiniboine Ave., Brandon
Pydee Engineering Co. Ltd.	1018 Sherbrook St., Winnipeg 2
Strong-Scott Limited	772-782 Dufferin Ave., Winnipeg
Saskatchewan:	
Industrial Machine & Mfg. Co.	140 Avenue A.N., Saskatoon
Leach, J.R. & Son Limited	154-8th St., E., Prince Albert
Mid-West Equipment Ltd.	1101 Winnipeg St., Regina
Regal Softener Equipment	1322 Lorne St., Regina
Richardson Road Machinery Company Limited	112 Ave. 1 South, Saskatoon
Schulte Welding & Blacksmith	Englefield
Western Machine & Engineering Limited	1201 Scarth St., Regina
Alberta:	
Alco Machine Works Ltd.	6915-104th St., Edmonton
Burton Loaders Limited	15428-102nd. Ave., Jasper Place
Coutts Machinery Company, Limited	9119 Stadium Road, Edmonton
Coync Products Inc.	4646A-2nd. St. S.E., Calgary
Engineering Specialties (Alberta) Limited	9660-61 Ave., Edmonton
Machinery Depot Limited	1009-11 St. E., Calgary
Pneuma Pump of America Limited	9908-65th Ave., Edmonton
Smith & Schneider Sawmill Eqpt. Ltd.	Chinook Valley
British Columbia:	
Allard Engineering (1957) Limited	1031 Quebec St., New Westminister
Anderson Blowpipe & Mfg. Co. Ltd.	1213 Mitchell Rd., Vancouver
Alpha Engineering & Mfg. Ltd.	60 Braid St., New Westminister
Berger Engineering Co. Limited	547 W. 6th. Ave., Vancouver 9
Boyles Bros. Drilling Company, Limited	1291 Parker St., Vancouver 6
Canadian Car (Pacific) Limited	1660 Station St., Vancouver 4
Canadian Mobile Co. Ltd.	400 Ewan Ave., New Westminster
Canadian Summer Iron Works, Limited	3550 E. Broadway, Vancouver 12
Chain Saws, Limited	Granville Island, Vancouver 9
Conveyair Company	125 West 1st St. N., North Vancouver
Easthope Bros., Limited	1225 No. 1 Road, Steveston

Directory of Firms Included in the Machinery Industry, 1958 — Concluded

Name of firm	Location of plant
(c) Machinery, N.E.C.¹ — Concluded:	
British Columbia — Concluded:	
Ebco Manufacturing	1867 West 1st Avenue, Vancouver
Equipment Sales & Rentals	603 Powell St., Vancouver 4
Gearmatic Co. Ltd.	7400 - 132st., Newton
Hamilton, G.J., Limited	910 Beach Ave., Vancouver 1
Jordans Machine Works, Ltd.	4142 Kingsway, S. Burnaby
L - M Equipment Co. (B.C.) Ltd.	6180 Lougheed Highway, N. Burnaby
Leland Mfg. Co. Limited	1790 Powell Ave., Vancouver 6
Leonard's Engineering	117-3 Rd. St., Port Alberni
Letson & Burpee, Limited	172 Alexander St. Vancouver 4
Long, W.A., Limited	2 East Ave., Vancouver 10
Marathon Machinery Co.	1840 Hawthorne St., Burnaby 1
Modern Hydraulics Limited	315 Levi St., New Westminster
Moore Dry Kiln Co. of Canada Ltd.	345 East First Ave., Vancouver 10
Nicholson Murdie Machines Ltd.	327 Harbour Rd., Victoria
Nicholson Supplies & Equipment Ltd.	855 East Hastings St., Vancouver
Opsal Steel Limited	97 East 2nd Ave., Vancouver
Palmia Equipment Ltd.	9084 - 128th St., North Surrey
Paragon Engine Co.	1737 Georgia St., Vancouver 5
Paragon Equipment Manufacturing Company, Limited	885 Cordova St., Vancouver 4
Patrick Equipment Ltd.	1250 Charles, Vancouver
Power Machinery Limited	3470 Commercial Dr., Vancouver 12
Progressive Engineering Works, Limited	360 West 1st Ave., Vancouver 10
Pumps & Power, Limited	40 E. Cordova St., Vancouver 4
Quesnel Manufacturing Limited	Quesnel
Simplex Engine and Manufacturing Co., Limited	1865 West Georgia St., Vancouver 5
Smith Industries Limited	197 East 20th Avenue, Vancouver
Tyee Machinery Company, Limited	Lot 71 Granville Island, Vancouver 9
Vancouver Gear Works Ltd.	1844 Clarke Dr., Vancouver 12
Vancouver Mill Machinery	1840 Gilmore Ave., Burnaby 2
Wagner Engineering	1929 W. Georgia St., Vancouver 5
Wagstaff Hoist, Limited	2294 Clark Drive, Vancouver 12
Webb & Gifford, Limited	222 Front St., New Westminster
Westminster Iron Works Company, Limited	1135 Queen Ave., New Westminster
Weldco Ltd.	116 East 2nd Avenue, Vancouver 5
Willock Manufacturing Co. Ltd.	22661 Trans-Canada Highway, Langley

¹ Includes establishments primarily engaged in manufacturing special industrial machinery, such as textile machinery, wood-working machinery, pulp and paper machinery, engines and turbines, mining machinery, conveyor systems and elevators, etc.



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