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# THE MACHINERY INDUSTRY

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada
  - Section B. Atlantic Provinces
  - Section C. Quebec
  - Section D. Ontario
  - Section E. Prairie Provinces
  - Section F. British Columbia
  - Section G. The Manufacturing Industries of Canada,  
Regional Distribution
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part XII, Iron and Steel Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review
- B — The Agricultural Implements Industry
- C — The Boilers and Plate Work Industry
- D — The Bridge Building and Structural Steel Industry
- E — The Hardware, Tools and Cutlery Industry
- F — The Heating and Cooking Apparatus Industry
- G — The Machinery Industry
- H — The Machine Shops Industry
- I — The Iron Castings Industry
- J — The Primary Iron and Steel Industry
- K — The Sheet Metal Products Industry
- L — The Wire and Wire Goods Industry
- M — The Miscellaneous Iron and Steel Products Industry

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## THE MACHINERY INDUSTRY

1957

Factory shipments by firms in the Machinery Industry were valued at \$520,733,165 in 1957, an increase of 10.5 per cent over the 1956 total of \$471,197,174. The 442 firms which reported in this group for 1957 were distributed across Canada as follows: 2 in Newfoundland; 3 in New Brunswick, 5 in Nova Scotia; 81 in Quebec, 272 in Ontario; 17 in Manitoba; 9 in Saskatchewan; 6 in Alberta and 47 in British Columbia. These plants gave employment to a total of 38,915 workers who were paid \$151,362,532 in salaries and wages. Materials worth \$227,679,809 were purchased for use in manufacturing processes and an additional \$4,638,720 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 1957 the total output of machinery

from all industries was \$734,382,000 compared with \$686,317,000 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, road-making 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 12 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".

## IRON AND STEEL PRODUCTS

TABLE 1. Principal Statistics of the Machinery Industry, Significant Years 1929-1957,  
and by Provinces, 1956 and 1957

Year and province	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
	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
1953 .....	401	34,111	113,958,067	3,472,290	128,409,332	210,462,393	342,344,015
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							
Newfoundland .....	2	209	625,211	35,342	447,426	874,600	1,320,004
New Brunswick .....	3						
Nova Scotia .....	3	144	453,290	29,095	1,400,338	632,309	2,051,594
Quebec .....	80	11,094	41,256,189	1,417,269	57,803,985	75,717,153	127,328,481
Ontario .....	256	22,948	88,105,398	2,474,426	140,673,708	173,998,225	305,281,912
Manitoba .....	17	436	1,496,153	48,680	1,729,049	2,479,206	4,113,027
Saskatchewan .....	6	158	495,377	22,357	684,902	798,465	1,387,662
Alberta .....	4	294	1,121,865	34,429	1,151,808	2,358,996	3,425,765
British Columbia .....	43	2,237	8,560,687	271,950	9,259,734	17,568,812	26,288,729
Canada .....	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

<sup>1</sup> 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,<sup>1</sup> 1956 and 1957

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
1956							
Household, office and store machinery .....	74	9,473	33,302,657	1,013,861	64,971,338	65,594,236	128,254,564
Machine tools .....	11	1,472	5,927,401	155,081	5,402,839	8,353,769	13,495,383
Machinery, n.e.c. ....	329	26,575	102,884,112	3,164,606	142,776,773	200,479,761	329,447,227
Total .....	414	37,520	142,114,170	4,333,548	213,150,950	274,427,766	471,197,174
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
Total .....	442	38,915	151,362,532	4,638,720	227,679,809	294,618,738	520,733,165

<sup>1</sup> Sub-division made on basis of principal products.

TABLE 3. Inventories,<sup>1</sup> 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
<b>(a) By sub-groups</b>				
Opening:				
Household, office and store machinery .....	13,948,690	10,987,776	14,060,689	38,997,155
Machine tools .....	1,226,973	1,988,813	949,413	4,165,199
Machinery, n.e.c. ....	36,609,278	35,468,132	24,772,558	96,849,968
Total .....	51,784,941	48,444,721	39,782,660	140,012,322
Closing:				
Household, office and store machinery .....	14,618,374	11,454,419	15,820,410	41,893,203
Machine tools .....	1,034,948	1,771,668	880,494	3,787,110
Machinery, n.e.c. ....	39,851,448	33,519,408	30,885,084	104,255,940
Total .....	55,504,770	46,745,495	47,685,988	149,936,253
<b>(b) By provinces</b>				
Opening:				
Newfoundland and New Brunswick .....	373,216	228,489	70,899	672,604
Nova Scotia .....	500,415	389,143	106,597	996,155
Quebec .....	10,903,079	15,504,351	9,515,464	35,922,894
Ontario .....	36,968,475	30,319,103	27,326,036	94,613,614
Manitoba .....	561,262	148,848	383,923	1,094,033
Saskatchewan .....	229,814	144,350	298,215	742,379
Alberta .....	315,551	216,851	38,917	571,319
British Columbia .....	1,863,129	1,493,586	2,042,609	5,399,324
Canada .....	51,784,941	48,444,721	39,782,660	140,012,322
Closing:				
Newfoundland and New Brunswick .....	360,360	156,754	221,189	738,303
Nova Scotia .....	592,543	337,890	105,613	1,036,046
Quebec .....	11,604,699	16,209,667	12,968,407	40,782,773
Ontario .....	39,818,428	28,374,194	30,603,230	98,795,852
Manitoba .....	478,695	137,986	367,551	984,232
Saskatchewan .....	370,088	180,882	375,478	926,448
Alberta .....	333,959	288,054	42,590	664,603
British Columbia .....	1,945,998	1,060,068	3,001,930	6,007,996
Canada .....	55,504,770	46,745,495	47,685,988	149,936,253

<sup>1</sup> (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 1957 does not necessarily agree with the closing inventory for 1956 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, 1956 and 1957

Item		
	1956 Value of factory shipments	1957 Value of factory shipments
dollars		
Compressors, pumps and parts:		
Air compressors .....	7,595,570	8,275,018
Pumps and parts .....	23,352,465	23,595,477
Conveying, elevating, materials handling equipment and parts:		
Conveyors and conveying systems and parts .....	19,976,338	21,233,663
Elevators and parts .....	15,940,237	14,596,519
Hoisting machinery (except mine hoists) and parts .....	9,200,733	13,138,917
Industrial trucks, tractors, trailers and stackers and parts .....	3,468,747	3,558,052
Miscellaneous materials handling equipment and parts .....	1,552,532	5,232,421
Drilling, excavating, mining and related machinery and parts:		
Rock drilling, earth boring and related machinery and parts .....	13,803,721	13,862,982
Excavating, dredging and loading equipment and parts .....	6,390,094 <sup>1</sup>	10,311,188
Mining and ore processing machinery and parts .....	18,059,322	26,607,980
Construction machinery and parts .....	8,810,656	8,608,627
Engines and parts .....	47,1	57,1
24,790,156	27,497,824	
Fire-fighting equipment .....	2,876,684	2,911,554 <sup>2</sup>
Food products machinery (including beverages and tobacco) machinery and parts:		
Bakers' machinery and parts .....	1,160,874	1,822,722
Dairy and milk product plant machinery .....	800,227	962,821
Flour and grist mill machinery .....	447,621	220,934
Food products machinery, other, and parts .....	1,627,984	980,930
Foundry equipment (core-making machines, moulding machines, casting machines, shakeout equipment, etc.) .....	274,145	504,392
Household machinery and parts:		
Washing machines .....	22,701,310	22,486,713 <sup>3</sup>
Other household machinery and parts .....	23,355,598	25,610,252 <sup>4</sup>
Metal-working machinery and parts:		
Machine tools, metal-working and parts .....	9,616,101	9,165,343
Metal-working machinery (except machine tools) and parts .....	1,260,897	3,565,707
Miscellaneous general purpose industrial machinery and parts:		
Wrapping and packaging machinery and parts .....	1,209,584	933,830
Other general purpose industrial machinery and parts .....	3,773,930	5,505,627

See footnotes at end of table.

TABLE 4. Products Made by Firms Included in the Machinery Industry, 1956 and 1957—Concluded

Item	1956		1957
	Value of factory shipments	Value of factory shipments	
dollars			
Miscellaneous special industry machinery and parts:			
Cement mill machinery .....	3,992,764	1,407,727	
Grain elevator machinery .....	1,548,340	1,531,123	
Logging machinery .....	1,074,034	1,120,952	
Rubber-working machinery .....	1,801,183	1,856,619	
Saw-mill machinery, including lumber handling equipment .....	3,854,735	2,323,434	
Special industry machinery, other, and parts .....	6,412,968	8,072,320	
Office, store and business machinery and parts:			
Adding machines .....	2,820,901	3,075,002 <sup>1</sup>	
Scales .....	3,005,919	3,433,481	
Typewriters — Standard, including long carriage .....	3,634,139	6,648,098 <sup>2</sup>	
Portable .....	2,169,251	3,488,467 <sup>2</sup>	
Electric .....	3,480,250	5,060,840 <sup>2</sup>	
Other office, store and business machinery and parts .....	31,104,978	34,942,612	
Pulp and paper industries machinery and parts .....	25,236,313	28,559,253	
Printing and bookbinding industries machinery and parts .....	696,958	1,355,667	
Refrigeration and air conditioning equipment and parts:			
Refrigeration equipment and parts .....	10,021,499	8,891,716 <sup>1</sup>	
Air conditioning equipment and parts .....	947,194 <sup>1</sup>	2,213,365 <sup>1</sup>	
Service industry equipment (including vending machines) and parts .....	10,845,121	11,784,621 <sup>1</sup>	
Ship's machinery and fittings .....	4,253,994	3,213,159	
Textile industries machinery and parts .....	348,757	350,047	
Transmission equipment and bearings and parts .....	22,564,555	22,722,983	
Water and sewage treatment equipment and parts .....	2,421,778	3,832,828 <sup>1</sup>	
Woodworking machinery (excluding power driven hand tools) and parts .....	2,478,617	1,562,763	
Ventilating, exhaust and dust-collecting equipment and parts .....	8,879,154	9,902,243	
All other machinery and machinery parts .....	32,744,652 <sup>1</sup>	33,143,914	
<b>Total machinery and parts .....</b>	<b>408,383,580<sup>1</sup></b>	<b>451,682,727</b>	<b>307,382</b>
All other products .....	43,917,181 <sup>1</sup>	49,041,116	
Amount received for repair and custom work .....	18,896,413	20,009,322	
<b>Total .....</b>	<b>471,197,174</b>	<b>520,733,165</b>	

<sup>1</sup> Revised.<sup>2</sup> See footnote 5 to Table 6.

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, 1956 and 1957

Material	1956		1957		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Castings (rough and semi-finished) received from foundry:					
Iron (gray and malleable) .....	ton	37,047	8,269,244	27,833	7,962,548
Steel .....	"	9,746	4,824,720	13,577	6,995,902
Pig iron, all grades .....	"	24,636	1,518,031	18,919	1,218,187
Steel (except alloy steel):					
Bars .....	"	37,069	7,057,159	29,368	5,842,807
Plates (3/16 in. and thicker) .....	"	31,725	5,503,824	30,702	5,277,314
Sheets (under 3/16 in.)—Plain .....	"	27,203	4,172,920	24,505	4,003,560
Galvanized .....	"	3,989	785,595	4,601	921,768
Tinplate .....	"	196	34,408	355	72,096
Strips (less than 14 in. wide) .....	"	3,033	589,362	3,267	660,341
Structural shapes, unfabricated(channels, angles, etc.) .....	"	27,442	4,539,963	26,989	4,421,369
Wire .....	"	1,728	357,548	1,585	264,045
Alloy steel in all forms:					
Alloy steel (other than stainless and tool steel) .....	—	—	2,707,671	—	2,920,310
Stainless .....	—	—	4,433,774	—	4,387,847
Tool steel (all types including high speed) .....	—	—	2,047,297	—	1,801,160
Scrap iron and steel — Purchased .....	ton	26,265	1,270,921	20,051	963,447
Own make .....	"	16,743	696,636	12,064	500,007
Pipe and fittings, iron and steel .....	—	—	2,384,617	—	3,006,068
Other iron and steel .....	—	—	8,287,705	—	10,550,409
Ferro-alloys .....	—	—	282,531	—	175,144
Non-ferrous metals in all forms:					
Aluminum — Castings .....	pound	3,706,338	3,667,775	3,707,476	4,038,067
Sheet .....	"	1,029,546	458,454	1,105,024	470,940
Other forms .....	"	4,111,927	1,561,317	3,578,666	1,108,936
Brass and bronze .....	"	8,123,681	3,624,395	4,100,762	2,271,700
Copper — Sheet .....	"	449,868	261,634	236,564	141,337
Wire .....	"	558,639	421,332	661,589	376,424
Other forms .....	"	1,454,551	891,364	1,636,133	942,998
Lead .....	"	352,200	78,456	187,444	37,229
Nickel .....	"	245,209	208,381	208,474	155,776
Tin .....	"	34,756	36,967	20,725	21,024
Zinc .....	"	1,490,527	383,593	1,564,605	371,717
Babbitt metals and solders .....	"	401,928	220,054	386,638	194,036
Other non-ferrous metals .....	—	—	687,989	—	1,789,819
Other materials and supplies:					
Paints, oils and varnishes .....	—	—	1,357,821	—	1,452,494
Foundry coke (used in cupola) .....	ton	15,289	494,024	11,989	396,074
Foundry sands .....	"	31,108	248,673	27,267	226,135
Plumbago and graphite .....	pound	83,095	18,702	171,265	19,665
Lumber .....	M ft. b.m.	15,255	1,830,667	14,172	1,714,792
Firebrick and cupola blocks .....	—	—	48,134	—	52,653
Fireclay .....	ton	1,915	29,071	1,204	25,836
Core oil .....	Imp. gal.	40,034	53,068	32,737	37,350
Shipping materials .....	—	—	2,306,345	—	2,487,963
All other materials .....	—	—	134,498,808	—	147,403,363
Total .....	—	—	213,150,950	—	227,679,809

**TABLE 6. Factory Shipments of Industrial, Household and Business Machinery, 1956 and 1957**  
 (Data assembled from all industries)

Item	1956		1957	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
Compressors and pumps:				
Air compressors:				
Stationary type .....	—	7,115,000	—	7,527,000
Portable type .....	—	921,000	—	1,183,000
Pumps:				
Centrifugal .....	—	9,220,000	—	9,249,000
Cistern and pitcher .....	10,301	67,000	10,464	68,000
Deep well .....	1,201	294,000	735	242,000
Rotary .....	—	1,373,000	—	1,099,000
Sump .....	33,086	1,233,000	26,782	1,121,000
Vacuum .....	—	264,000	—	387,000
Pump jacks .....	2,497	92,000	2,320	86,000
Hand pumps .....	29,002	253,000	26,099	266,000
Self-contained household water pumping systems:				
Deep well and shallow jets .....	17,100	1,617,000	23,410	2,147,000
Shallow well—non-jet .....	35,115	3,085,000	31,707	2,671,000
Other power pumps; including direct-acting steam piston and electric				
Pumps parts and accessories .....	—	4,053,000	—	4,860,000
Conveying, elevating and materials handling equipment:				
Conveyors and conveying systems:				
Gravity conveyors, (including straight and spiral chutes) .....	—	2,108,000	—	2,387,000
Portable conveyor units .....	—	721,000	—	836,000
Power conveyors:				
Belt type .....	—	10,676,000	—	11,992,000
Bucket type .....	—	1,844,000	—	2,031,000
Other conveyors, including pneumatic tube systems and parts .....	—	5,167,000	—	4,777,000
Elevators, including passenger, freight, sidewalk, dumb-waiters, escalators and parts .....	—	15,940,000	—	14,599,000
Hoisting machinery (except mine hoists):				
Cranes with swinging booms .....	54	1,692,000	33	1,994,000
Chain blocks and trolleys .....	—	1,691,000	—	1,568,000
Electric overhead travelling cranes .....	—	5,382,000	—	9,851,000
Monorail electric hoists .....	—	327,000	—	453,000
Monorail systems .....	—	750,000	—	1,204,000
Hand cranes .....	—	250,000	—	296,000
Winches .....	—	2,936,000	—	2,091,000
Other hoisting machinery, including derricks and parts .....	—	2,212,000	—	3,010,000
Industrial trucks, tractors, trailers and stackers:				
Hand trucks (including dollies) .....	—	496,000	—	804,000
Lift trucks (includes mobile cranes for 1956 but not for 1957.) .....	—	1,865,000	—	1,386,000
Other industrial tractors, stackers, including powered types .....	—	748,000	—	2,594,000
Miscellaneous materials handling equipment .....	—	3,573,000	—	6,197,000
Drilling, excavating, mining and related machinery:				
Rock drilling, earth boring and related machinery:				
Rock drills, including diamond drills .....	—	4,288,000	—	2,948,000
Diamond drill bits .....	—	5,389,000	—	3,914,000
Tungsten carbide drill bits .....	—	6,629,000	—	8,466,000
Other drill bits .....	—	1,819,000	—	960,000
Other rock drilling, earth boring and related machinery and parts .....	—	5,745,000	—	6,618,000
Mining and ore processing machinery:				
Ball and rod mills .....	—	2,379,000	—	2,362,000
Classifiers .....	—	328,000	—	764,000
Crushers, jaw and gyratory .....	—	3,200,000	—	2,253,000
Hoists (mine hoists only) .....	—	4,575,000	—	6,727,000
Mine cars .....	1,857	1,516,000	1,797	1,502,000
Skips and cages .....	—	493,000	—	718,000
All other mining and ore processing machinery, including agitators, coal cutting machines, filters, flotation machines, screens, thickeners, etc. and parts .....	—	12,593,000	—	18,894,000
Construction, excavating, dredging and loading equipment:				
Power excavators (power shovels) .....	142	3,606,000	111	3,327,000
Bulldozing, angle-dozing and similar equipment .....	—	2,207,000	—	214,000
Scrapers and pull or push type graders .....	—	307,000	—	135,000
Graders, self propelled type .....	239	3,333,000	182	2,982,000
Snow ploughs .....	—	1,533,000	—	897,000
Concrete mixer-agitators, truck type .....	237	1,156,000	158	707,000
Concrete, plaster and mortar mixers, other .....	6,698	651,000	3,113	709,000
Other mixing and paving equipment (concrete and bituminous) .....	—	432,000	—	432,000
Other construction machinery, including pneumatic hammers, demountable scaffolding etc. and parts .....	—	3,122,000	—	2,718,000

**TABLE 6. Factory Shipments of Industrial, Household and Business Machinery, 1956 and 1957 - Continued**  
 (Data assembled from all industries)

Item	1956		1957	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
Construction, excavating, dredging and loading equipment - Concluded:				
Other excavating machinery and parts.....	—	1,451,000	—	8,100,000
Other road and airport construction and maintenance machinery, including snow blowers, flushers, etc., and parts.....	—	1,539,000	—	3,226,000
Engines (excluding aircraft and automobile types):				
Turbines, hydraulic and steam.....	—	11,338,000	—	14,643,000
Diesel .....	211	6,223,000	162	5,239,000
Gasoline, including outboard, industrial, etc.....	93,558	13,876,000	104,918	15,638,000
Steam .....	—	331,000	—	—
Engine parts:				
For diesel engines.....	—	1,314,000	—	1,272,000
For gasoline engines.....	—	352,000	—	1,357,000
For marine engines .....	—	1,479,000	—	1,643,000
Fire-fighting equipment:				
Pumpers.....	93	1,354,000	72	1,292,000
Other fire-fighting equipment, including hose trucks, ladder trucks, etc. ....	—	2,142,000	—	2,371,000
Food products machinery (including beverages and tobacco) machinery:				
Bakers' machinery:				
Mixing machines.....	681	553,000	691	692,000
Ovens .....	282	488,000	163	583,000
Other bakers' machinery and parts .....	—	204,000	—	547,000
Dairy and milk products plant machinery, excluding milking machines .....	—	1,693,000	—	1,992,000
Flour and grist mill machinery .....	—	456,000	—	221,000
Other food products machinery and parts, including milking machines.....	—	3,820,000	—	2,773,000
Foundry equipment.....	—	274,000	—	719,000
Household machinery (except refrigeration and air conditioning equipment):				
Washing machines:				
Electric:				
Automatic type .....	49,765	9,292,000	52,569	10,313,000
Apartment type .....	473	45,000	86	10,000
Conventional type .....	250,406	23,507,000	220,546	20,273,000
Gasoline type .....	5,278	636,000	3,546	415,000
Ironers, electric .....	4,647	380,000	2,740	310,000
Floor polishers, electric .....	214,026	6,732,000	205,525	6,560,000
Dryers, clothes, automatic electric .....	55,389	7,743,000	65,950	9,191,000
Vacuum cleaners:				
Electric:				
Floor models .....	20,727	1,542,000	22,516	1,681,000
Cylinder models .....	145,621	8,106,000	126,252	7,052,000
Other household machinery (including sewing machines, dishwashers, etc.) and parts .....	—	20,538,000	—	22,105,000
Metal-working machinery:				
Machine tools, metal-working:				
Boring machines.....	1	1	1	1
Broaching machines .....	1	1	1	1
Drilling machines .....	—	285,000	1	1
Grinding machines and grinders .....	148	316,000	174	122,000
Hammers (forging) .....	1	1	1	1
Lathes, engine and turret .....	92	1,052,000	93	588,000
Milling machines .....	1	1	1	1
Presses .....	—	1,450,000	1	1,635,000
Punching machines .....	1	1	1	1
Rolls, bending and straightening .....	449	181,000	434	228,000
Shapers .....	1	1	1	1
Shearing machines .....	260	130,000	217	292,000
Thread-cutting machines .....	—	3,022,000	—	3,181,000
Other machine tools .....	—	3,604,000	—	3,277,000
Machine tool parts and accessories .....	—	1,261,000	—	4,085,000
Metal-working machinery (except machine tools), including rolling mill machinery .....	—	2	2	2
Office, store and business machinery:				
Accounting machines .....	2	2	2	2
Adding machines <sup>5</sup> .....	18,700	2,821,000	18,641	3,075,000
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

TABLE 6. Factory Shipments of Industrial, Household and Business Machinery, 1956 and 1957 — Continued  
(Data assembled from all industries)

Item	1956		1957	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
Office, store and business machinery — Concluded				
Scales				
For stores, homes and offices .....	62,106	875,000	95,955	1,115,000
Industrial				
Bench or portable type .....	4,614	1,742,000	3,256	1,286,000
Built-in or pit type .....	318	389,000	436	1,033,000
Typewriters <sup>5</sup>				
Standard, including long carriage .....	34,241	3,634,000	38,885	6,648,000
Portable .....	37,900	2,169,000	60,830	3,488,000
Electric .....	9,051	3,480,000	12,254	5,061,000
Time recording, job recording and time stamping machines .....				
Other office and business machinery .....	—	26,183,000	—	27,335,000
Other store machinery .....	—	939,000	—	907,000
Parts for office, store and business machinery .....	—	5,061,000	—	7,987,000
Printing and bookbinding machinery and parts .....	—	747,000	—	1,401,000
Pulp and paper industries machinery and parts .....	—	30,057,000	—	33,358,000
Refrigeration and air conditioning equipment				
Refrigeration equipment				
Household refrigerators:				
Household mechanical refrigerators, complete units (electric and gas), all sizes .....	269,213	47,443,000	235,539	42,430,000
Self-contained units				
Milk coolers, all sizes .....	696	127,000	375	88,000
Ice-cream cabinets, all sizes .....	3,160	1,296,000	2,322	867,000
Beverage coolers, all sizes .....	7,265	2,525,000	5,852	1,511,000
Water-coolers, all sizes .....	239	52,000	68	34,000
Freezers — Frosted food cabinets .....	108	46,000	8	8,000
Home freezers, all sizes .....	12,691	3,176,000	20,908	4,619,000
Fixtures				
Display cases, normal temperature .....	2,809	2,227,000	2,637	1,750,000
Low-temperature refrigerators .....	817	675,000	687	643,000
Reach-in refrigerators (remote only) .....	472	217,000	251	172,000
Sectional walk-in coolers, all types .....	457	751,000	763	963,000
Self-contained commercial refrigerator products:				
Display cases, all sizes .....	1,459	944,000	1,686	1,167,000
Reach-ins, all sizes .....	608	259,000	584	335,000
Evaporators				
Unit cooler type, all sizes .....	—	1,079,000	—	350,000
Fin coils, all sizes .....	—	510,000	—	431,000
Ice-makers .....	—	56,000	—	34,000
Compressors and condensing units:				
Domestic, for assembly in individual household cabinets .....	36,841	2,149,000	35,123	1,589,000
Commercial — Low pressure and ammonia .....	2,531	556,000	3,013	607,000
Evaporative condensers:				
Low pressure .....	—	1,470,000	—	917,000
Ammonia .....	—	—	—	—
All other refrigeration equipment .....	—	8,999,000	—	7,556,000
Air conditioning equipment:				
Room air-conditioners, window type .....	3,541	1,024,000	4,091	837,000
Self-contained air conditioners, except window type — 2-5 hp. ....				
Over 5 hp. ....	235	312,000	230	304,000
Air conditioners — central plant — domestic .....	717	307,000	—	—
Other air conditioning equipment, including parts, components and accessories .....	—	3,459,000	—	6,469,000
Service industry equipment (including vending machines):				
Commercial laundry and dry cleaning equipment .....	—	1,979,000	—	1,698,000
Vending machines .....	—	163,000	—	123,000
Service station and garage equipment:				
Auto lifts .....	2,661	1,598,000	2,456	1,547,000
Gasoline-dispensing pumps .....	9,595	3,909,000	8,342	4,354,000
Other garage equipment .....	—	812,000	—	1,014,000
Other service industry machinery .....	—	2,435,000	—	3,120,000
Ships' machinery and fittings (except winches) .....	—	5,030,000	—	7,935,000
Textile industries machinery and parts .....	—	349,000	—	350,000
Transmission equipment and bearings				
Bearings, ball and roller, and parts .....	—	10,619,000	—	10,386,000
Cat tooth and case tooth gears .....	—	2,659,000	—	2,700,000
Flexible couplings .....	—	778,000	—	775,000
Pulleys .....	—	531,000	—	512,000
Sprocket chain and drive chain .....	—	1,859,000	—	1,848,000

TABLE 8. Factory Shipments of Industrial, Household and Business Machinery, 1956 and 1957 - Continued  
(Data assembled from all industries)

Item	1955		1957	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
			No.	\$
Transmission equipment and bearings - Concluded:				
Speed reducer units	-	3,808,000	-	3,656,000
Other transmission machinery and parts	-	3,856,000	-	4,400,000
Water and sewage treatment equipment:				
Domestic water softeners	5,235	626,000	8,610	916,000
Other water and sewage treatment equipment and parts	-	1,867,000	-	2,916,000
Woodworking machinery (excluding power driven hand tools and home workshop tools):				
Band sawing machines	82	239,000	66	210,000
Lathes	143	21,000	6	6,000
Moulder	61	127,000	6	6,000
Planers	159	462,000	100	186,000
Rip and cross cut saws	308	89,000	26	31,000
Tenoners	81	108,000	27	34,000
Other wood-working machinery and parts	-	1,932,000	-	1,659,000
General purpose industrial machinery:				
Wrapping and packaging machinery and parts	-	1,210,000	-	934,000
Crushing, pulverizing, scouring and mixing machinery and parts	-	1,662,000	-	1,713,000
Other general purpose industrial machinery and parts	-	3,099,000	-	6,017,000
Ventilating, exhaust and dust-collecting equipment	-	8,953,000	-	10,404,000
Special industry machinery:				
Rubber-working machinery	-	1,801,000	-	1,865,000
Cement mill machinery	-	4,169,000	-	1,492,000
Saw-mill machinery, including lumber handling equipment	-	6,144,000	-	3,324,000
Logging, machinery	-	1,441,000	-	1,412,000
Grain elevator machinery	-	2,030,000	-	1,859,000
Other special industry machinery and parts	-	7,337,000	-	12,872,000
Electrical machinery:				
Converter equipment (excluding rectifiers):				
Motor-generator sets - A.C. to D.C.	374	2,494,000	334	4,595,000
Frequency changer sets - A.C. to A.C.	-	188,000	-	85,000
Parts and supplies for converter equipment	-	101,000	-	556,000
Generators and parts (excluding automobile generators, engine-driven generator sets and motor-generator sets):				
A.C.:				
200 kva. and under, any speed	332	690,000	9	15,000
201 kva. to 1000 kva., any speed	43	249,000	20	163,000
A.C., 1001 kva. and above, all speeds	50	9,838,000	47	16,877,000
D.C. and including excitors:				
Under $\frac{3}{4}$ kw.	180	4,000	7	7
1 kw. to 1000 kw.	124	1,149,000	7	7
1001 kw. and over	-	435,000	-	935,000
Accessories and parts for generators				
Electric motors and parts:				
Single phase induction:				
$\frac{1}{2}$ hp. & under (excluding shaded pole and universal)	1,173,545	15,916,000		
$\frac{1}{2}$ hp. & $\frac{1}{4}$ hp.	80,382	2,569,000		
1 hp. to 5 hp. inclusive - open	14,258	1,263,000		
enclosed	1,339	119,000		
Polyphase induction:				
$\frac{1}{2}$ hp. & under (excluding shaded pole and universal)	4,550	112,000		
$\frac{1}{2}$ hp. & $\frac{1}{4}$ hp.	11,636	477,000		
1 hp. to 5 hp. inclusive - open	23,826	1,933,000		
enclosed	11,924	1,137,000		
D.C.:				
$\frac{1}{2}$ hp. & under (excluding shaded pole and universal)	501,429	1,539,000		
$\frac{1}{2}$ hp. & $\frac{1}{4}$ hp.	168	14,000		
1 hp. to 5 hp. inclusive	176	54,000		
Polyphase induction:				
6 hp. to 25 hp. inclusive - open	12,541	2,548,000		
enclosed	6,853	1,925,000		
26 hp. to 100 hp. inclusive - open	2,477	2,022,000		
enclosed	1,845	1,581,000		
101 hp. to 200 hp. inclusive - open	683	1,383,000		
enclosed	241	754,000		
201 hp. to 1,000 hp. inclusive	454	3,691,000		
1,001 hp. & over				

TABLE 6. Factory Shipments of Industrial, Household and Business Machinery, 1956 and 1957 — Continued  
(Data assembled from all industries)

Item	1956		1957	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
<b>Electrical machinery—Concluded:</b>				
Electric motors and parts—Concluded:				
D.C.				
6 hp. to 25 hp. inclusive .....	326	395,000		
26 hp. to 100 hp. inclusive .....	365	960,000		
101 hp. to 200 hp. inclusive .....	60	167,000		
201 hp. to 1,000 hp. ....	1,944	10,516,000		
1,001 hp. & over .....				
Railway and vehicle motors, A.C. & D.C. ....	361,016	1,614,000	See below	
Shaded pole type motors, all ratings .....				
Universal type motors, all ratings .....				
Synchronous motors & condensers:				
200 hp. or kva. and under .....	61	402,000		
201 hp. to 1,000 hp. or kva. ....	128	1,245,000		
1,001 hp. or kva. and over .....	62	2,015,000		
Accessories and parts for motors .....	—	2,958,000		
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		
1/2 hp. and 3/4 hp. ....	77,026	2,517,000		
1 hp. to 5 hp. inclusive-open type .....	14,100	1,633,000		
1 hp. to 5 hp. inclusive-enclosed type .....	951	129,000		
Polyphase induction:				
1/3 hp. and under .....	3,703	112,000		
1/2 hp. and 3/4 hp. ....	12,058	524,000		
1 hp. to 5 hp. inclusive-open type .....	22,678	2,030,000		
1 hp. to 5 hp. inclusive-enclosed type .....	9,870	1,119,000		
6 hp. to 25 hp. inclusive-open type .....	6,154	1,708,000		
6 hp. to 25 hp. inclusive-enclosed type .....	5,918	1,858,000		
26 hp. to 100 hp. inclusive-open type .....	2,398	2,229,000		
26 hp. to 100 hp. inclusive-enclosed type .....	1,324	1,470,000		
101 hp. to 200 hp. inclusive-open type .....	515	1,417,000		
101 hp. to 200 hp. inclusive-enclosed type .....	271	1,384,000		
201 hp. to 1000 hp. inclusive .....	457	4,824,000		
1001 hp. and over .....				
Synchronous motors and condensers:				
up to and including 200 hp. or kva. ....	38	179,000		
201 hp. or kva. to 1000 hp. or kva. ....	124	1,051,000		
1001 hp. or kva. and over .....	39	1,787,000		
Accessories and parts for A.C. motors .....	—	796,000		
Railway and vehicle motors, A.C. and D.C. ....	—	—		
Shaded pole type motors, all ratings .....	306,993	1,371,000		
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		
1/2 kw. and 3/4 kw. ....	525	79,000		
D.C. motors or generators:				
1 hp. or kw. to 5 hp. or kw. ....	450	114,000		
6 hp. or kw. to 25 hp. or kw. ....	181	206,000		
26 hp. or kw. to 100 hp. or kw. ....	252	1,092,000		
101 hp. or kw. to 200 hp. or kw. ....	184	1,188,000		
201 hp. or kw. to 1000 hp. or kw. ....	218	3,660,000		
1001 hp. or kw. and over .....	—	—		
All other motors or generators .....	—	7,881,000 <sup>a</sup>		
Accessories and parts for D.C. motors and generators .....	—	2,310,000		
Electrical appliances, motor driven, not elsewhere specified, including shavers, fans, hair clippers food mixers, electric clocks, etc. ....	—	14,731,000	—	11,825,000
Welding machinery, electric .....	—	5,540,000	—	4,165,000
Miscellaneous machinery:				
Blowers for domestic furnaces .....	120,846	1,907,000	152,723	2,029,000
Cream separators .....	695	68,000	351	45,000
Gas conversion burners .....	7,547	571,000	9,364	809,000

**TABLE 6. Factory Shipments of Industrial, Household and Business Machinery, 1956 and 1957 – Concluded**  
(Data assembled from all industries)

Item	1956		1957	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
<b>Miscellaneous machinery – Concluded:</b>				
Lawn mowers:				
Hand .....	17,985	175,000	10,429	118,000
Power .....	122,052	5,607,000	134,534	6,168,000
Oil burners, power:				
Domestic .....	122,675	10,626,000	93,794	7,656,000
Commercial and industrial .....	956	763,000	468	629,000
Power tools, hobby and home workshop .....	—	1,703,000	—	1,704,000
Saws, power chain, and parts .....	—	10,802,000	—	9,746,000
Stokers:				
Domestic .....	660	157,000	754	226,000
Commercial and industrial .....	670	1,218,000	485	878,000
All other machinery and parts, not separately specified .....	—	20,598,000	—	21,674,000
<b>Total machinery and parts .....</b>	<b>—</b>	<b>686,317,000</b>	<b>—</b>	<b>734,382,000</b>

<sup>1</sup> Included with "Other machine tools" to avoid disclosure of individual firms.

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

<sup>3</sup> Included with "Other store machinery" to avoid disclosure of individual firms.

<sup>4</sup> Included with "Other air conditioning equipment" to avoid disclosure of individual firms.

<sup>5</sup> The increase in average unit values shown for 1957 is mainly due to the revised method of reporting by which some firms, which formerly reported values at cost, are now reporting the value of shipments f.o.b. plant.

<sup>6</sup> Included in "Other woodworking machinery" to avoid disclosure of individual firms.

<sup>7</sup> See under "Electric motors and parts".

<sup>8</sup> Included with "All other motors or generators".

<sup>9</sup> Includes Quebec and Statens.

**TABLE 7. Principal Statistics of the Machinery Industry in Canada, Classified According to Type of Ownership, 1956 and 1957**

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
number					
1956					
Individual ownership .....	41	332	944,671	1,069,702	2,703,435
Partnerships .....	17	187	544,367	749,653	1,668,709
Incorporation companies .....	356	37,001	140,625,132	211,331,595	466,825,030
<b>Total .....</b>	<b>414</b>	<b>37,520</b>	<b>142,114,170</b>	<b>213,150,950</b>	<b>471,197,174</b>
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
<b>Total .....</b>	<b>442</b>	<b>38,915</b>	<b>151,362,532</b>	<b>227,679,809</b>	<b>520,733,165</b>

**TABLE 8. Principal Statistics of the Machinery Industry in Canada, Grouped According to Value of Factory Shipments, 1956 and 1957**

Establishments reporting factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1956					
number					
Under \$10,000 .....	20	26	33,710	37,140	96,535
\$10,000 to \$24,999 .....	20	81	164,817	111,756	336,191
\$25,000 to \$49,999 .....	31	169	465,139	430,740	1,108,659
\$50,000 to \$99,999 .....	49	530	1,555,851	1,258,042	3,575,286
\$100,000 to \$199,999 .....	72	1,290	4,370,270	4,211,776	10,404,060
\$200,000 to \$499,999 .....	67	1,996	7,270,141	9,278,146	21,712,354
\$500,000 " \$999,999 .....	47	3,137	11,585,593	16,203,951	35,594,829
\$1,000,000 " \$4,999,999 .....	90	16,113	61,939,544	88,301,008	193,686,534
\$5,000,000 and over .....	18	14,112	54,265,138	93,318,391	204,682,726
Head offices .....	—	66	463,967	—	—
<b>Total</b> .....	<b>414</b>	<b>37,520</b>	<b>142,114,170</b>	<b>213,150,930</b>	<b>471,197,174</b>
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	—	—
<b>Total</b> .....	<b>442</b>	<b>38,915</b>	<b>151,362,532</b>	<b>227,679,809</b>	<b>520,733,165</b>

**TABLE 9. Employees and Earnings in the Machinery Industry, by Provinces, 1956 and 1957**

Province	Employees				Earnings		
	Supervisory and office		Production and related workers		Total em- ployees	Supervisory and office	Production and related workers
	Male	Female	Male	Female			
1956							
Newfoundland and New Brunswick	24	11	174	—	209	147,426	477,785
Nova Scotia .....	19	5	115	5	144	124,954	328,336
Quebec .....	2,347	856	7,496	395	11,094	13,411,965	27,844,224
Ontario .....	4,821	1,934	15,085	1,108	22,948	28,691,058	59,414,340
Manitoba .....	99	35	297	5	436	565,039	931,114
Saskatchewan .....	21	10	127	—	158	92,827	402,550
Alberta .....	48	18	226	2	294	293,922	827,943
British Columbia .....	347	142	1,633	115	2,237	2,135,943	6,424,744
<b>Canada</b> .....	<b>7,726</b>	<b>3,011</b>	<b>25,153</b>	<b>1,630</b>	<b>37,520</b>	<b>45,463,134</b>	<b>96,651,036</b>
1957							
Newfoundland and New Brunswick	30	7	140	—	177	221,823	450,973
Nova Scotia .....	34	7	360	2	403	183,266	1,070,369
Quebec .....	2,746	919	7,919	483	12,067	14,606,880	30,146,872
Ontario .....	5,108	2,057	15,120	1,027	23,312	32,418,030	60,247,981
Manitoba .....	93	31	289	10	423	532,756	990,363
Saskatchewan .....	21	9	115	—	145	102,899	375,041
Alberta .....	62	17	213	2	294	299,967	793,954
British Columbia .....	434	144	1,427	89	2,094	2,835,757	6,085,601
<b>Canada</b> .....	<b>8,528</b>	<b>3,191</b>	<b>25,583</b>	<b>1,613</b>	<b>38,915</b>	<b>51,201,378</b>	<b>100,161,154</b>

TABLE 10. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January	23,058	1,531	24,589	26,934	1,688	28,622
February	23,157	1,561	24,718	26,697	1,665	28,362
March	23,670	1,606	25,276	26,721	1,646	28,367
April	24,458	1,627	26,085	26,574	1,668	28,242
May	25,034	1,638	26,672	26,530	1,673	28,203
June	25,488	1,636	27,124	26,392	1,631	28,023
July	25,630	1,636	27,266	25,770	1,583	27,353
August	25,847	1,636	27,483	25,475	1,575	27,050
September	25,958	1,616	27,574	25,091	1,617	26,708
October	26,601	1,722	28,323	24,635	1,605	26,240
November	26,597	1,704	28,301	23,655	1,579	25,234
December	26,463	1,714	28,177	22,353	1,437	23,790
Average	25,153	1,630	26,783	25,583	1,613	27,196

TABLE 11. Capital and Repair Expenditures in the Machinery Industry, 1953-1957

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	Construction	Machinery and equipment		Construction	Machinery and equipment		
thousands of dollars							
1953	2,090	9,635	17,725	1,921	5,291	7,212	24,937
1954	4,164	9,731	13,895	1,720	4,544	6,264	10,152
1955	3,853	8,917	12,770	1,835	4,849	6,694	19,454
1956	6,017	13,471	19,488	2,064	7,298	9,362	28,850
1957	11,372	15,818	27,190	1,836	6,350	8,186	35,376

Note: Figures for the current year are preliminary.

TABLE 12. Fuel and Electricity Used in the Machinery Industry, 1956 and 1957

Kind		1956		1957	
		Quantity	Cost at plant	Quantity	Cost at plant
Bituminous coal (a) From Canadian mines	ton	14,416	201,196	14,480	193,322
(b) Imported	"	26,754	329,431	28,255	359,894
Sub-bituminous coal (from Alberta mines only)	"	415	2,604	490	3,532
Anthracite coal	"	8,502	121,865	3,779	56,847
Lignite coal	"	725	5,762	682	5,772
Coke (for fuel only)	"	2,904	78,182	3,258	86,945
Gasoline, (including gasoline used in cars and trucks)	Imp. gal.	867,434	338,076	953,713	382,685
Kerosene or coal oil	"	22,436	5,537	79,970	17,120
Fuel oil	"	9,353,323	1,229,422	9,919,577	1,318,163
Gas (a) Liquefied petroleum gases (propane, etc.)	"	98,083	20,276	136,124	33,813
(b) Other manufactured gas	M cu. ft.	59,700	62,506	34,511	40,883
(c) Natural gas	"	73,314	71,596	124,349	122,815
Other fuel	"	—	17,588	—	18,636
Electricity purchased	kwh.	151,772,592	1,849,507	163,938,032	1,989,243
<b>Total</b>		—	—	<b>4,333,548</b>	<b>4,618,720</b>

## Directory of Firms Included in the Machinery Industry, 1957

Name of firm	Location of plant
<b>(a) Household, Office and Store Machinery</b>	
<b>New Brunswick:</b>	
Sussex Refrigeration Co. Ltd.	Sussex
<b>Quebec:</b>	
Arrow Sewing Machine Co. Ltd.	754 Wellington, Montreal
Associated Clock Industries, Limited	298 Charon St., 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 Laurier Ave. W., Outremont
Connor, J.H. & Son, Ltd.	20 Lois St., Hull
Electro Metals Industries Reg'd.	34 Grosford, Iberville
Fabien, C.P., Ltd.	2471 St. Cunegonde St., Montreal
Gauvin, Jos.	220 Rue Lee, Quebec
Linde-Hall Canadian Refrigeration Div. of J. & E. Hall Ltd.	5031 Cote de Liesse Road Montreal
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
Shefford Furniture Ltd.	West Shefford
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
Verdun Machine Shop Reg'd.	580 Rothsay St., St. Lambert, Chamby Co.
<b>Ontario:</b>	
Al's Coils Manufacturing Co. Ltd.	29 Brock St., 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
Brantford Washing Machines, Limited	14 Grey St., Brantford
Burroughs Machines, 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, Limted	65 Villiers St., Toronto 2
Canadian Laundry Machinery Company, Limited	47-93 Sterling Road, Toronto 3
Canadian Scale Company, Limited	41 Ossington Ave., Toronto 3
Clary Multiplier of Canada Ltd.	979 O'Connor Drive, Toronto
Coffield Washer Company, Limited	77-91 Niagara St., Hamilton
Ditto of Canada, Ltd.	45 Jutland Rd., Toronto 14
Easy Washing Machine Company, Limited	76 Miranda, Toronto 10
Fairgrieve & Son Limited	44 Dovercourt Road, Toronto
Frozenaire Cooler Company	Glenridge Ave., St. Catharines
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, Limited	Don Mills Road, Toronto 6
Maxwells Limited	73 Park St., St. Marys
Milner, Edward, Co. Ltd.	311 Pharmacy Ave., Toronto 13
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.	1156 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 Quelph Ave., Hespeler
Smith Corona Canada Ltd.	30 Bertrand Ave., Toronto 13
Stathmos Scale Mfg., Ltd.	417 Birchmount Rd., Toronto
Steamarvel 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, 1957 — Continued

Name of firm	Location of plant
<b>(a) Household, Office and Store Machinery — Concluded</b>	
<b>Ontario — Concluded</b>	
Underwood Manufacturing Company, Limited .....	375 Madison Ave., Toronto
Victor Adding Machine Co. (Canada) Ltd., .....	Beverley St., Galt
White Mop Wringer Co. of Canada .....	Paris
<b>Manitoba:</b>	
Bell Refrigerator Co. Ltd. .....	1760 Sargent Ave., St. James
<b>British Columbia:</b>	
Gair, Alex .....	955 East Hastings St., Vancouver
Skinner, Thomas & Son, Limited .....	51 W. Cordova St., Vancouver 4
<b>(b) Machine Tools</b>	
<b>Ontario:</b>	
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.
Rite Tool Company Ltd. ....	1650 Langlois Ave., Windsor
Upton Bradien & James, Ltd., The R. McDougall Division, .....	50 Chapman St., Galt
Whitehall, Harry W., Limited .....	Galt & Hespeler
<b>(c) Machinery, N.E.C.<sup>1</sup></b>	
<b>Newfoundland:</b>	
Barnes Marine Engines .....	26 Water St., St. John's
Canadian Machinery & Industry Construction Ltd. .....	Topsail Rd., St. John's
<b>Nova Scotia:</b>	
Acadia Gas Engines, Limited .....	King St., Bridgewater
Chisholm Industries Ltd. ....	26 Stellarton Road, New Glasgow
Dominion Steel & Coal Corp. Ltd., Trenton Industries Div. ....	Main St., Trenton
Hawboidt Gas Engines Ltd. ....	Chester
Oxford Foundry and Machine Company, Limited .....	Foundry St., Oxford
<b>New Brunswick:</b>	
Lauder, Rudolph W. ....	Hillsborough
Northern Machine Works Limited .....	Main St., Bathurst
<b>Quebec:</b>	
All Canada Engineering Co. Ltd. ....	960 Lafayette Ave., Montreal South
American Air Filter of Canada Ltd. ....	400 Stinson Blvd., Montreal 9
Automatic Dispensers Mfg. Ltd. ....	7501-18 <sup>e</sup> Ave., Ville St., Michel, Montreal 28
Autostair Limited .....	1970 rue Cascades
Braidwood, John, and Sons, Limited .....	60-66 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. Reg'd. ....	2100 St. Clement, Montreal 4
Coté, Eugene, Co. ....	Chateauguay Bassin
Coté Bros. & Burritt Ltd. ....	1280 Conde St., Montreal
Coté, 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 .....	2399 Royale, Three Rivers

## Directory of Firms Included in the Machinery Industry, 1957 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. <sup>1</sup> - Continued	
<b>Quebec - Concluded:</b>	
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, Outremont
Gosselin, J.A., Co. Limited .....	301 Herbert St., Drummondville
Hall Machinery of Canada Ltd. ....	124 Grandes Fourches St. S., Sherbrooke
Har-Pur Products Ltd. ....	46-14th 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
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
Les Scies Mercier Ltée .....	26 Côte Fréchette, Lévis
Machinerie Etchemin Enrg. ....	23 rue Jacques-Cartier, St-Romuald
Messely & Fils Enrg. ....	495- Zième ave., Québec
Montreal Gear Works Ltd. ....	3425 Montgomery St., Montreal
Montreal Shoe Machinery Company, Limited .....	535 Ontario St. E., Montreal
Matthew Moody & Sons Ltd. ....	Terrebonne
Nagle Elevator Company, Reg'd .....	1085 Chenneville St., Montreal
National Electric Refrigerator Ltd. ....	Montmagny
N.C. Refrigeration & Store Fixtures Reg'd .....	1795 Hinland, 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
Poitras, Jos., et Fils Ltée .....	L'Islet Station
Pulp & Paper Mill Accessories, Limited .....	6139 Côté de liesse Rd., Ville 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. ....	5595 Fullum St., Montreal
Technical Accessories Limited .....	Pierreville
Thibault, Pierre .....	2610 Bennett Ave., Montreal
United Shoe Machinery Company of Canada, Limited .....	603 Querbes Blvd., Joliette
Vessot, S., & Cie., Limitée .....	236-250 Rose de Lima, Montreal
Victory Tool & Machine Company, Ltd. ....	161 Nazareth St., Montreal
Wilson Machine Company, Limited .....	
<b>Ontario:</b>	
A.P.V. (Canada) Equipment Ltd. ....	56 Charles St., New Market
Adams, J.D., Limited .....	Adams Ave. and Spruce St., Paris
ADC Line 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
Anderson, J.W. Co. Ltd. ....	Head St., Dundas
Anglo Electromatic Elevators Canada Ltd. ....	346 Munster Ave., Toronto 18
Ardelt Industries of Canada Ltd. ....	181 Henry Sturm Blvd., Kitchener
Armstrong, S.A., Limited .....	1400 O'Connor Drive, Toronto 13
Ashton Press Mfg. Co. Ltd. ....	60 Beech St., Ottawa
Atlas Engineering and Machine Company Limited .....	16 Eastern Ave., Toronto 2
Austin, A., Industries, Limited .....	51 Kipling Ave. S., Toronto 18
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
Barker C., & Sons .....	Bayfields 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
Beatty Machine & Tool Works Limited .....	103 Crockford Blvd., Scarborough

## Directory of Firms Included in the Machinery Industry, 1957 — Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. <sup>1</sup> —Continued	
<b>Ontario—Continued</b>	
Pellows Pneumatic Devices of Canada Ltd.	14 Advance Road, Toronto
Bettger Industries Ltd.	649 Ontario St., Stratford
Fowser, S.F., Company, Limited	344 Sherman Ave. N., Hamilton
Brantford Oven and Rack Company, Limited	Brock & Campbell Sts., Brantford
Brigden Manufacturing Co.	Hornby
Pridgewater 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
Eucyrus-Erie Co. of Canada, Ltd.	200 Woodlawn Road, Guelph
Furnside, 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
Campbell & Perrin Machinery Ltd.	399 Preithaupt 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.	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 SKF Co. Ltd.	2201 Eglinton Ave. E., Scarborough
Canners' Machinery, Limited	Wellington Heights, Simcoe
Chain Belt (Canada) Ltd.	1181 Sheppard Ave. E., Willowdale
Clarke, D.P., Engine Co. Ltd.	2462 Dufferin St., Toronto
Climax Baler Company, Limited	43-53 Burton St., Hamilton
Cobet Elevator Manufacturing Company	137 Roncesvalles Ave., Toronto 2
Cochrane Water Conditioning Ltd.	1355 Martin Grove Rd., Rexdale
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
Dalby Machine Shop	45 Forsythe St. S., Oakville
Day Co. of Canada Ltd., The	N. Vickers St., Fort William
Dav 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
Dodge Mfg. Division of United Steel Corp. Ltd.	58 Pelham Ave., Toronto
Dominion Auto Drive, Limited	3500 Ontario St., Windsor
Dominion Road Machinery Company, Limited	Maitland Road, Goderich
Dominion Rubber Company, Limited	Glasgow St., Kitchener
Don Transmission & Conveyors, Ltd.	65 Crockford Blvd., Toronto
Dorr Oliver-Liong Limited	174 West St. S., Orillia
Douglas Brown & Campbell, Limited	Melbourne
Dundas Foundry & Engineering Co.	97 Main St. W., Hamilton
Elevator Specialty Co. Ltd.	39 Duchess St., Toronto 2
Epps Manufacturing Ltd., C.H.	Clinton
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., and Company	27 Jarvis St., Brantford
Fenney, Thos. H., Machinery & Tools	635 Glebeholme Blvd., Toronto 6
Ferris Machine Works Limited	Ferris
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.	155 Kipling Ave. S., <sup>Toronto 18</sup>
Fraser, Kenneth S., Co. Ltd. (Industrial Truck Div.)	960 Eastern Ave., <sup>Toronto</sup>
Gardner-Denver Co. (Canada) Ltd.	Dundas St., Woodstock
Gault Elevator Company, Limited	463 Church St., <sup>Toronto 5</sup>
Gilbert and Barker Manufacturing Company, Limited	64 Jefferson Ave., <sup>Toronto</sup>
Glider Guard Manufacturing Co. Ltd.	946 Josephine Ave., <sup>Toronto</sup>
Goodwin Chuck Company, Limited	260 Colborne St., Brantford

## Directory of Firms Included in the Machinery Industry, 1957 — Continued

Name of firm	Location of plant
<b>(c) Machinery, N.E.C.<sup>1</sup> — Continued</b>	
<b>Ontario — Continued:</b>	
Greey 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.	Shebourne
Hastings Machine Tools Ltd.	600 Montrose Road, Niagara Falls
Heath and Sherwood Limited	6 Duncan Ave., Kirkland Lake
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
Jackson-Cochrane Division, Beisinger Industries Ltd.	16 Victoria St. N., Kitchener
Jacuzzi Universal (Canada) Ltd.	Rexdale Blvd., Rexdale
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
Lau Blower of Canada, Ltd.	150 Borden Ave. S., Kitchener
Leitch, Arthur S., Company, Limited	33 Torbarrie Rd., Downsview
Link-Belt Ltd.	1900 Eglinton Ave. E., Toronto
Loach, S.W., & Son, Ltd.	{ 131 Eastern Ave., Toronto
London Concrete Machinery & Rainbow Irrigation Systems	980 Roselawn Ave., Toronto 10
M.N. Automation Ltd.	Corner Cabell & Kitchener Ave., London
Mahaffy Iron Works Company, Ltd.	41 Densley Ave., Toronto 15
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.F., Knitting Machines	25 McCulloch St., Rexdale
McGuire Industries Ltd.	45 Market St., Georgetown
McInnis, C.H., Company Limited	Davis Drive E., Newmarket
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
Morris, Herbert, Crane & Hoist Co., Limited	223-225 Bay St. W., Midland
Morse Chain of Canada Ltd.	Stanley Ave., Niagara Falls
Myoco Limited	385 Second Ave., Simcoe
Nagy, Alex J., Co.	Midland Ave., Agincourt
Napanee Iron Works Limited	4342-1st Line W., Cooksville
National Equipment Company, Limited	51 Ann St., Napanee
New Ontario Machine Works, Limited	41 Wabash Ave., Toronto 3
Northern Crane & Hoist Works Limited	271-1st Ave., Timmins
Odd, H., Centerless Grinding Limited	1428 Argyle Road, Windsor
Oil Well Supply Company, Limited	809 Victoria St. N., Kitchener
Opal Manufacturing Company	Robert St., Petrolia
Otis Elevator Company, Limited	526 Bay St., Toronto
Outboard Marine & Manufacturing Co. of Canada, Limited	Victoria Ave. N., Hamilton
Paasche Airbrush (Canada) Ltd.	414 Monaghan Rd., Peterborough
Packsack Diamond Drills Ltd.	864 Page Ave., Toronto 6
Paramount Gear Works Ltd.	1385 Hammond, North Bay
Parkhill Machinery Co. Ltd.	1247 Lawrence Ave. W., Toronto 15
Patterson Foundry & Machine Company (Canada) Ltd.	Mill & Station Sts., Parkhill
Pendrith Machinery Company, Limited	250 Danforth Road, Toronto
Perrin, Wm R., Limited	775 King St. W., Toronto 2B
Peterson Filters of Canada Ltd.	530 King St. E., Toronto 2
Pettigrew Sav-oil Burners Ltd.	696 Yonge St., Toronto
Phin Sales Co.	Dover St., Otterville
Phoenix Mfg. Co.	26 Lipton Ave., Toronto
Pinder Bros.	198 Martin St., Milton
Plewes-Jackson Engineering, Limited	2 Otonabee, Willowdale
Pneuma-Serve Limited	58 Fraser Ave., Toronto 1
Power Lawn Mowers Ltd.	42 Queen Elizabeth Blvd., Toronto 14
Premier Tool & Die Limited	1161 King St., London
Preston Woodworking Machinery Company, Limited	86 Tycos Drive, Toronto 19
Price Machine Products	Railway St., Preston
Provincial Engineering Limited	Norfolk St. S., Simcoe
Pumps & Softeners, Limited	674 Ferguson St., Niagara Falls
Rapistan Canada Ltd.	680 Waterloo St., London
Richardson, C., and Company, Limited	888 Dupont St., Toronto
	Wellington St. S., St. Mary's

## Directory of Firms Included in the Machinery Industry, 1957 – Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. <sup>1</sup> – Continued	
<b>Ontario – Concluded:</b>	
Rightmayer, The Carl Machine Co., .....	901 Barton St. E., Hamilton
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. of Canada Ltd. ....	40 Wellington, Guelph
Roelofson Elevator Company, Limited .....	5001 Dundas St. W., Toronto
Rotary Lift Co. of Canada Ltd.,.....	337 Richmond St., Chatham
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
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
Timberland Machines Limited.....	Devonshire Rd., Woodstock
Timken Roller Bearing Co. ....	1055 Talbot St., St. Thomas
Tokheim-Reeder of Canada Ltd., .....	26 Fieldway St., Toronto
Torington Mfg. Co. of Canada Ltd. ....	201 Speers Rd., Oakville
Tortex Machine Works Ltd. ....	485 Wellington St. W., Toronto
Turnbull Elevator Company, Limited.....	126 John St., Toronto
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 2
Vickers, Sperry of Canada Ltd. ....	92 Advance Road Toronto
Viking Pump Company of Canada, Limited .....	661 Grove Ave., Windsor
Vokes (Canada) Ltd. ....	3801 Dundas St. W., Toronto
Volta Manufacturing Co. Ltd. ....	Alexander St., Welland
Wallace & Tierman Limited.....	925 Warden Ave., Scarborough
Ward Oven Co., .....	39 Mitchell Ave., Toronto
Waterloo Manufacturing Co. Ltd. ....	67 King St. S., Waterloo
Water Softening Equipment Ltd. ....	112 Manville Rd., Scarborough
Watson, The John, Mfg. Co. Ltd., .....	Ayr
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., London
Wellman, S.K., Co of Canada Ltd. ....	208 Bartley Drive, O'Connor Drive, Toronto 16
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
<b>Manitoba:</b>	
Alpha Manufacturing Company, Limited .....	Notre Dame & Midland, Winnipeg
Dauphin Products Ltd. ....	1448 Erin St., Winnipeg 3
Hedley, Percy E., & Sons .....	Haminta
Kipp Kelly, Limited .....	68 Higgins Ave., Winnipeg
Krushel, L., & Sons .....	Morden
Made-Well Mfg., Co. ....	Sifton
Manitoba Gear Specialties .....	205 Osbourne, Winnipeg
McLean Machinery Co. Ltd. ....	125 Pacific Ave., Winnipeg
Midwest Mining Supplies Ltd. ....	866 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 3
Roberts, William, Ltd. ....	120 Lombard St., Winnipeg
Sanisoft Limited .....	1530 Erin St., Winnipeg
Sprocket Service & Supply, Limited.....	1061 Notre Dame Ave., Winnipeg 3
Strong-Scott Limited .....	772-782 Dufferin Ave., Winnipeg

## Directory of Firms Included in the Machinery Industry, 1957 — Concluded

Name of firm	Location of plant
(c) Machinery, N.E.C. <sup>1</sup> — Concluded	
<b>Saskatchewan:</b>	
Canadian Well Supply Company Ltd.	Cor. Atkinson & Dewdney, Regina
Gregg Machinery	670 Angus St., Regina
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. I South, Saskatoon
Schulte Welding & Blacksmith	Englefield
Universal Grain Loader Company	2048 Toronto St., Regina
Western Machine & Engineering Limited	1201 Scarth St., Regina
<b>Alberta:</b>	
Alco Machine Works Ltd.	6915-104th St., Edmonton
Coutts Machinery Company, Limited	9119 Stadium Road, Edmonton
Engineering Specialties (Alberta)	9660-61 Ave., Edmonton
Machinery Depot Limited	1009-11 St. E., Calgary
Riverside Iron & Engineering Works Ltd.	803-24th Ave. S.E., Calgary
Smith & Schneider Sawmill Eqpt. Ltd.,	Chinook Valley
<b>British Columbia:</b>	
Allard Engineering 1957 Limited	1031 Quebec St., New Westminster
Anderson Blowpipe & Mfg. Co. Ltd.	1213 Mitchell Rd., Vancouver
Alpha Engineering & Mfg. Ltd.	60 Braid St., New Westminster
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
Conveyair Company	125 West 1st St. N., North Vancouver
Easthope Bros., Limited	1235 No. 1 Road, Steveston
Ebcu 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
Industrial Engineering, Limited	1220 Government Road, Burnaby 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
Marathon Machinery Co.	1840 Hawthorne St., Burnaby 1
Moore Dry Kiln Co. of Canada Ltd.	345 East First Ave., Vancouver 10
New Westminster Marine Sales & Service Ltd.	301-12th St., New Westminster
Nicholson Murdie Machines Ltd.	327 Harbour Rd., Victoria
Nicholson Supplies & Equipment Ltd.	835 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 13
Progressive Engineering Works, Limited	360 West 1st Ave., Vancouver 10
Pumps & Power, Limited	40 E. Cordova St., Vancouver 4
Quesnel Manufacturing Limited	
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
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 10
Willock Manufacturing Co. Ltd.	22661 Trans-Canada Highway, Langley

<sup>1</sup> 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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