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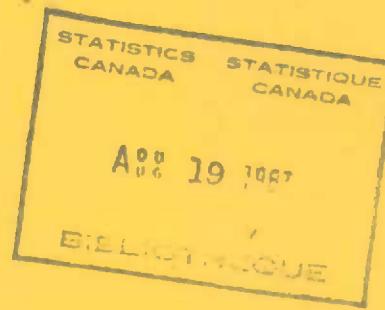
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GOVERNMENT OF CANADA

THE MACHINERY INDUSTRY  
1949





DOMINION BUREAU OF STATISTICS - DEPARTMENT OF TRADE AND COMMERCE  
CANADA

THE MACHINERY INDUSTRY

1949

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## NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- 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

The present report belongs in Group XII. 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

## THE MACHINERY INDUSTRY

1949

Production by firms in the Machinery Industry was valued at \$240,701,603 in 1949, an increase of 3.5 per cent over the 1948 total of \$232,605,829. The 366 firms which reported in this group for 1949 were distributed across Canada as follows: 1 in Newfoundland; 5 in Nova Scotia; 2 in New Brunswick; 72 in Quebec; 211 in Ontario; 17 in Manitoba; 9 in Saskatchewan; 8 in Alberta and 41 in British Columbia. These plants gave employment to a monthly average of 30,070 workers who were paid \$73,651,359 in salaries and wages. Materials worth \$90,721,553 were purchased for use in manufacturing processes and an additional \$2,634,883 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 1949 the total output of machinery from all industries was \$360,891,000 compared with \$346,146,000 in the previous year.

Products made in this industry included washing machines and ironers, cash registers, sewing machines, typewriters, transmission 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 is being used by the Dominion Bureau of Statistics in its compilations for 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, 3, 4, 5 and 7 relate to the Machinery group as a whole but the principal statistics for the three groups are detailed in Table 2.

As a result of the adoption of the Standard Industrial Classification it was necessary to re-classify some firms to and from the Machinery group. This means that the data for 1949 are not strictly comparable with previous years. A special study by the Bureau indicates that the net effect of these changes was an increase in the value of production reported by the industry in 1949 amounting to \$5.6 millions.

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

## IRON AND STEEL PRODUCTS

TABLE 1. Principal Statistics for the Machinery Industry, 1945-1949

Year	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
1945 .....	267	26,285	\$ 46,982,376	\$ 1,750,316	\$ 44,817,319	\$ 138,192,090
1946 .....	299	27,003	50,246,824	1,845,981	50,760,795	145,638,248
1947 .....	322	29,920	61,969,692	2,216,382	74,101,757	200,894,754
1948 .....	339	29,963	69,523,844	2,484,110	86,362,337	232,605,829
1949 .....	366	30,070	73,651,359	2,634,883	90,721,553	240,701,603
Per cent change, 1949 from 1948 .....	-	+ 0.4	+ 5.9	+ 6.1	+ 5.0	+ 3.5

Note. Profits or losses cannot be calculated from the 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> 1949

Year	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
Household, office and store machinery .....	61	9,235	\$ 21,998,066	\$ 688,905	\$ 40,133,876	\$ 84,879,966
Machine tools .....	8	1,356	3,405,031	105,980	2,198,298	7,665,025
Machinery, n.e.c. .....	296	19,479	48,248,262	1,839,998	48,389,379	148,156,611
Total .....	366	30,070	73,651,359	2,634,883	90,721,553	240,701,603

1. Sub-division made on basis of principal products.

Note. Above breakdown not available before 1949.

TABLE 3. Principal Statistics, by Provinces, 1948 and 1949

Year	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
<b>1948</b>						
New Brunswick .....	2	222	\$ 445,115	\$ 38,918	\$ 962,751	\$ 1,917,112
Nova Scotia .....	5					
Quebec .....	62	9,825	22,025,336	943,358	22,616,769	65,915,383
Ontario .....	207	17,307	40,901,204	1,277,834	55,737,921	146,330,648
Manitoba .....	14	449	969,736	36,981	1,660,025	3,576,108
Saskatchewan .....	5	135	314,972	16,170	390,154	801,796
Alberta .....	6	184	457,842	18,002	487,435	1,284,554
British Columbia .....	38	1,841	4,409,639	152,847	4,507,282	12,780,228
Canada .....	339	29,963	69,523,844	2,484,110	86,362,337	232,605,829
<b>1949</b>						
Newfoundland .....	1	256	\$ 499,227	\$ 39,632	\$ 997,048	\$ 2,209,447
New Brunswick .....	2					
Nova Scotia .....	5					
Quebec .....	72	9,332	21,537,831	959,735	22,810,988	61,788,072
Ontario .....	211	17,774	44,869,409	1,358,724	61,063,212	159,251,212
Manitoba .....	17	467	1,036,449	47,215	1,347,254	3,094,455
Saskatchewan .....	9	142	306,957	16,606	481,170	765,011
Alberta .....	8	361	854,952	29,828	621,079	1,948,700
British Columbia .....	41	1,738	4,546,534	183,143	3,400,802	11,644,706
Canada .....	366	30,070	73,651,359	2,634,883	90,721,553	240,701,603

TABLE 4. Products Made by Firms Included in the Machinery Industry, 1948 and 1949

Item	Selling value at works	
	1948	1949
	\$	\$
Machinery:		
Air compressors .....	4,309,319	3,509,429
Air conditioning equipment .....	531,924	634,120
Agricultural implements and parts .....	1,361,578	1,892,064
Bakers' machinery and parts .....	1,718,672	1,458,161
Blowers for domestic furnaces .....	227,153	341,119
Bottling machinery and parts .....	27,029	1
Canning machinery and parts .....	1,297,644	1,233,752
Cement mill machinery and parts .....	124,506	112,943
Cheese factory machinery and parts .....	1	1
Cleaning and pressing machinery .....	See under "Laundry"	
Coal-pulverizing and coal-cleaning machinery and parts .....	1	164,180
Concrete-making machinery and parts .....	822,267	726,012
Conveying and elevating machinery and parts .....	5,921,219	5,924,523
Dairy and creamery machinery and parts .....	769,476	737,261
Elevators, freight and passenger, and parts .....	10,352,253	12,225,241
Engines, steam, diesel, gas, and parts .....	6,942,944	7,609,907
Fire-fighting equipment .....	1,905,064	2,236,304
Flour and grist mill machinery and parts .....	753,178	476,710
Grain elevator machinery and parts .....	1,025,544	976,136
Hoisting machinery (except mine hoists) and parts .....	5,392,793	6,173,972
Household machinery and parts .....	42,891,809	42,606,895
Laundry, cleaning and pressing machinery and parts .....	3,376,269	2,939,095
Leather-working and shoe machinery and parts .....	1,689,300	1,388,500
Logging machinery and parts .....	1,410,655	1,035,792
Metal-working machinery and parts (machine tools) .....	4,227,672	4,839,940
Mining and metallurgical machinery and parts .....	6,706,838	7,109,243
Office and business machinery and parts .....	25,526,740	25,476,201
Plastics machinery and parts .....	490,945	65,386
Printing machinery and parts .....	169,440	267,541
Pulp mill and paper mill machinery and parts .....	11,886,213	13,270,223
Pumps and parts .....	9,338,660	11,231,762
Refrigeration and ice-making machinery .....	2,135,402	5,026,962
Road-making machinery and parts .....	5,024,474	4,915,713
Rubber mill machinery and parts .....	1,352,208	1,137,492
Saw-mill machinery and parts .....	2,505,268	1,971,123
Service station and garage machinery (including pumps) .....	2,700,637	3,048,228
Ships' machinery and fittings except winches .....	1,015,632	890,462
Stokers and parts .....	1,355,918	526,943
Textile machinery and parts .....	1,181,195	954,514
Transmission machinery and parts .....	11,570,023	10,344,511
Ventilating, exhaust and dust-collecting systems .....	884,571	1,933,744
Water wheels and water turbines .....	2,701,141	3,431,639
Wood-working machinery and parts .....	2,255,393	2,252,556
All other machinery, including power shovels, glass-blowing machinery, rolling mill machinery, etc., and parts .....	11,547,921	12,011,774
Total machinery and parts .....	197,426,887	205,108,073
All other products .....	25,172,011	27,091,471
Amount received for repair work .....	10,006,931	8,502,059
Total .....	232,605,829	240,701,603

1. Reported by less than 3 firms.

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, 1948 and 1949

Material	Unit of measure	1948		1949	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Iron:					
Pig iron .....	ton	25,238	1,120,438	22,325	1,122,647
Castings .....	ton	29,785	6,979,680	33,019	7,092,634
Steel:					
Castings .....	ton	13,680	3,180,564	7,950	2,582,650
Bars .....	ton	28,911	2,617,938	26,225	2,421,718
Forgings .....	ton	-	776,173	-	636,854
Plates .....	ton	17,604	1,785,857	11,609	1,230,454
Shafting .....	ton	5,103	731,999	5,271	703,756
Sheets - black .....	ton	8,947	1,114,639	12,820	1,425,223
galvanized .....	ton	1,908	242,992	2,311	296,661
tin plate .....	Base boxes	3,346	54,329	2,616	38,280
Strip .....	ton	1,288	180,736	1,769	253,077
Structural shapes .....	ton	18,055	1,901,542	18,524	2,013,859
Stampings .....	-	-	903,789	-	1,287,647
Wire .....	ton	2,177	316,668	1,704	257,835
Tool steel, carbon and alloy, including high speed .....	-	-	323,396	-	298,958
Stainless steel .....	-	-	480,434	-	295,766
Alloy steel, other .....	-	-	1,064,763	-	1,410,036
Scrap iron or steel .....	ton	34,634	1,080,838	26,234	847,075
Other iron or steel .....	-	-	1,379,412	-	1,264,912
Ferro-alloys .....	-	-	195,425	-	185,359
Non-ferrous metals, including scrap:					
Aluminum .....	pound	2,315,214	930,256	2,824,037	1,151,274
Brass and bronze .....	pound	5,404,951	2,108,812	4,589,329	1,642,658
Copper .....	pound	754,387	265,943	756,424	303,237
Lead .....	pound	100,457	21,318	109,326	17,703
Nickel .....	pound	200,847	94,758	185,915	83,954
Tin .....	pound	18,048	15,426	24,541	23,928
Zinc .....	pound	984,082	226,811	813,829	235,596
Babbitt metals and solders .....	pound	477,185	179,670	395,374	133,327
Other non-ferrous metals .....	-	-	346,867	-	400,087
Other materials and supplies:					
Parts for machines or vehicles .....	-	-	24,652,903	-	29,520,771
Iron and steel pipe, tubes and fittings .....	-	-	1,549,572	-	1,458,392
Paints, oils and varnishes .....	-	-	712,406	-	695,129
Foundry coke (cupola) .....	ton	14,642	343,795	11,695	306,371
Moulding sands .....	ton	13,097	89,810	11,317	76,093
Core sands .....	ton	10,330	49,226	6,370	26,363
Silica sand .....	ton	1,225	12,222	1,770	18,536
Other foundry sands .....	ton	1,553	7,351	751	6,933
Starch .....	pound	36,428	3,094	63,562	4,573
Plumbago .....	pound	167,049	16,949	85,702	7,211
Other foundry facings .....	pound	537,950	25,811	443,434	29,613
Patterns and models .....	-	-	279,453	-	221,519
Lumber .....	M ft. b. m.	17,936	1,703,841	18,668	1,552,971
Firebrick .....	number	266,273	52,383	204,856	32,398
Fireclay .....	ton	1,261	16,114	1,223	20,847
Cupola blocks .....	number	19,885	7,019	19,339	6,948
Core oil .....	Imp. gal.	42,954	47,852	40,974	42,191
Core compound .....	pound	681,087	30,470	330,398	15,104
Acetylene .....	cu. ft.	3,142,626	78,776	2,978,840	73,791
Oxygen .....	cu. ft.	8,780,231	120,009	7,980,065	117,442
Shipping materials .....	-	-	1,008,065	-	1,281,081
All other materials .....	-	-	24,933,743	-	25,550,111
Total .....	-	-	86,362,337	-	90,721,553

**TABLE 6. Total Production of Industrial, Household and Business Machinery, 1948 and 1949**  
(Data assembled from all industries)

Item	1948		1949	
	Number	Selling value at works	Number	Selling value at works
Air compressors:		\$		\$
Stationary type .....	2,298	2,434,699	2,607	2,247,276
Portable type .....	14,261	1,924,345	8,451	1,375,426
Air conditioning equipment:				
Complete systems .....	—	1,009,639	—	688,036
Room conditioners .....	—	638,448	—	1,134,721
All other air conditioning equipment .....	—	869,508	—	923,877
Bakers' machinery:				
Mixing machines .....	—	613,745	849	568,606
Ovens .....	—	591,221	266	624,777
Other bakers' machinery and parts .....	—	367,501	—	271,880
Baling machines .....	9,661	381,097	14,237	532,702
Blowers for domestic furnaces .....	—	1	—	1
Bottle-making machinery .....	—	1	—	1
Bottle washers .....	—	940,356	—	1
Bottling machinery and parts .....	—	1,396,925	—	1,258,847
Canning machinery and parts .....	—	135,349	—	112,943
Cement mill machinery and parts .....	—	38,087	—	45,873
Cheese factory machinery and parts .....	—	1	—	1
Chlorinators and chlorine control apparatus .....	—	—	See under "Laundry"	
Cleaning, pressing and laundry machinery and parts .....	—	1	—	295,811
Coal-cleaning and coal pulverizing machinery and parts .....	—	—	—	
Concrete-making machinery:				
Concrete mixers .....	2,866	669,456	4,416	551,770
Concrete block machines .....	115	34,165	161	73,714
Other concrete-making machinery and parts .....	—	243,845	—	240,504
Conveying and elevating machinery (except passenger and freight elevators) and parts .....	—	6,128,449	—	6,606,523
Cream separators .....	11,683	896,292	8,242	861,117
Dairy and creamery machinery and parts except cream separators, but including milking machines, churns, pasteurizers, etc. ....	—	3,216,298	—	3,050,918
Die-casting machines .....	—	1	—	1
Dish-washing machinery (except domestic) .....	—	1	—	633,004
Egg-grading machinery .....	—	1	—	1
Electric appliances, motor driven, not elsewhere specified .....	—	2,724,452	—	5,014,779
Elevators, freight and passenger, and parts .....	—	10,553,048	—	12,256,072
Engines:				
Steam, including steam turbines .....	—	1,629,254	356	237,343
Gasoline (except automobile):				
Marine type, including outboard .....	23,389	3,376,667	26,657	4,014,373
Airplane (including assembled only) .....	—	1	—	1
Other types (including industrial gas engines) .....	41,893	1,314,553	48,395	3,328,951
Diesel .....				
Engine parts .....	116	1,299,456	60	966,469
Fire-fighting equipment (except hand extinguishers) .....	—	1,478,327	—	1,772,573
Floor polishers, electric (domestic and industrial) .....	—	2,392,210	—	2,786,570
Flour mill and grist mill machinery and parts .....	28,689	1,187,003	55,658	1,971,260
Generators and parts, electric, A. C. and D. C. ....	—	754,458	—	493,284
Grain elevator machinery and parts .....	—	6,543,513	—	8,197,221
Hoisting machinery and parts, including chain blocks, monorail electric hoists, overhead cranes, etc., but excluding mine hoists .....	—	1,025,544	—	976,136
Household machinery:				
Washing machines:				
Hand .....	8,062	149,429	3,906	68,537
Electric .....	296,800	27,573,419	304,273	27,957,728
Gasoline .....	29,611	3,530,832	38,075	4,475,176
Wringers, clothes .....	128,350	1,146,803	180,015	1,504,715
Irons (operated by own motor) .....	17,215	1,309,980	18,058	1,349,433
Refrigerators, electric, domestic type:				
Complete with cabinet .....	138,714	25,164,314	206,345	36,774,492
Condensing unit only .....	21,297	1,351,775	37,029	2,582,202
Vacuum cleaners, electric:				
Floor models .....	33,583	1,992,757	34,308	1,985,022
Cylinder models .....	85,002	4,008,347	106,952	5,021,712
Hand models .....	1	19	—	—
Attachments and parts .....	—	825,881	—	1,105,210
Other household machinery (including sewing machines) and parts .....	—	16,698,914	—	15,082,114

## IRON AND STEEL PRODUCTS

**TABLE 6. Total Production of Industrial, Household and Business Machinery, 1948 and 1949**  
 (Continued)  
 (Data assembled from all industries)

Item	1948		1949	
	Number	Selling value at works	Number	Selling value at works
Knitting machines, hand .....	-	1	-	1
Laundry, cleaning and pressing machinery and parts .....	-	3,376,269	-	2,939,095
Lawn mowers:				
Hand .....	69,442	778,784	80,123	754,249
Power .....	6,675	642,221	4,525	394,937
Leather-working machinery and parts .....	-	1,694,900	-	1,388,500
Logging machinery and parts .....	-	1,718,941	-	1,209,886
Metal-working machinery (machine tools):				
Boring machines .....	-	1	-	1
Drilling machines .....	-	257,026	-	274,743
Grinding machines .....	-	362,201	-	220,072
Hammers .....	-	1	-	1
Lathes .....	145	816,032	202	1,494,277
Milling machines .....	41	242,947	-	1
Threading machines .....	-	120,865	854	101,231
Planers .....	-	1	-	1
Presses (forming, stamping, etc.) .....	-	1,014,967	-	967,740
Shapers .....	59	189,556	38	154,330
Shearing machines .....	-	140,611	19	183,778
Slotters .....	-	-	-	1
Rolls, bending and straightening .....	-	551,040	-	721,735
Other machine tools .....	-	787,286	-	532,470
Machine tool parts and accessories .....	-	547,874	-	597,925
Metal-working machinery (except machine tools) .....	-	340,641	-	48,600
Mining and metallurgical machinery:				
Agitators .....	-	12,900	-	21,891
Ball and rod mills .....	32	369,238	-	457,716
Classifiers .....	-	124,794	-	113,154
Crushers, jaw and gyratory .....	-	1,023,622	-	630,754
Filters .....	-	268,744	-	295,667
Flotation machines .....	-	1	-	213,235
Hoists .....	-	882,266	112	771,069
Mine cars .....	-	602,301	-	1,342,897
Skips and cages .....	-	1	-	1
Thickeners .....	-	1	-	1
All others .....	-	3,676,532	-	2,440,652
Parts for mining machinery .....	-	4,875,860	-	5,430,033
Motors, electric, and parts .....	-	29,085,648	-	29,114,133
Motor-generator sets .....	-	3,786,631	-	1,541,964
Office and business machinery:				
Adding machines .....	9,894	893,660	14,494	1,387,516
Scales:				
For stores, homes and offices .....	39,328	1,624,616	54,366	1,875,490
Industrial — bench or portable type .....	7,815	769,108	4,683	528,615
built-in or pit type .....	850	552,207	649	422,364
Typewriters:				
Standard, including long carriage .....	46,988	4,477,201	49,338	5,166,335
Portable .....	30,149	1,504,348	22,997	1,257,465
Electric .....	-	1	-	1
Other, including accounting machines, cash registers, time recorders, meat slicers, bread slicers, calculating machines, etc., and parts .....	-	15,450,087	-	13,424,138
Oil burners:				
Power type — For house heating .....	13,152	1,607,778	54,269	5,920,868
Commercial and industrial .....	316	78,775	1,313	470,132
Oil burner parts .....	-	238,688	-	1,078,030
Plastics machinery and parts .....	-	534,596	-	204,947
Printing machinery and parts .....	-	253,696	-	281,853
Pulp-making and paper-making machinery and parts .....	-	14,197,016	-	16,312,428
Pumps:				
Centrifugal .....	-	3,917,837	-	4,902,742
Cistern and pitcher .....	82,868	513,370	-	628,838
Deep well .....	3,159	372,918	-	505,074
Rotary .....	-	699,651	-	389,527
Sump .....	-	414,409	-	672,834
Vacuum .....	-	577,594	-	511,120
Direct-acting steam piston .....	1,558	696,538	1,815	837,256
Other power pumps .....	-	541,309	-	754,522
Self-contained household water systems .....	38,900	3,351,568	31,853	2,787,172

**TABLE 6. Total Production of Industrial, Household and Business Machinery, 1948 and 1949  
(Concluded)**  
(Data assembled from all industries)

Item	1948		1949	
	Number	Selling value at works	Number	Selling value at works
Pumps — (concluded):		\$		\$
Pump jacks .....	—	117,278	5,272	135,078
Hand pumps .....	11,674	189,871	—	207,883
Pump parts, including repair parts .....	—	883,352	—	1,256,326
Gasoline dispensing pumps .....	—	1,817,303	—	2,204,578
Refrigerating and ice-making machinery and equipment (except household refrigerators and condensing units).	—	12,129,716	—	18,024,335
Road-making machinery:				
Angle dozers .....	—	334,677	342	465,569
Graders .....	—	2,356,074	342	2,864,489
Rollers .....	—	730	7	21,501
Scrapers .....	—	111,248	—	12,919
Snow ploughs .....	—	516,621	—	496,640
Other road-making machinery .....	—	2,015,148	—	1,444,387
Parts for road-making .....	—	553,225	—	1,017,217
Rolling-mill machinery and parts .....	—	932,225	—	1,243,789
Rubber-mill machinery and parts .....	—	1,504,412	—	1,156,992
Sawmill machinery and parts .....	—	3,136,177	—	2,307,452
Saws, power-chain .....	—	2,553,600	8,042	1,413,480
Saws, power-chain parts .....	—	319,428	—	605,702
Sealing machines, gummed tape .....	—	1	—	1
Service station and garage machinery (except pumps) .....	—	883,334	—	843,650
Ships' machinery and fittings .....	—	2,415,430	—	1,230,723
Shovels, power .....	—	1	—	1
Stone-working machinery and parts .....	—	86,710	—	143,853
Stokers, mechanical:				
Domestic or residential .....	5,458	1,298,184	2,119	595,929
Commercial and industrial .....	1,532	1,394,924	1,122	1,322,822
Stoker parts, including repair parts .....	—	1,238,556	—	1,069,506
Textile machinery and parts .....	—	1,479,587	—	1,003,016
Transmission machinery, including brackets, hangers, shafting and other parts .....	—	13,157,256	—	10,751,170
Vacuum cleaners, industrial (see also under "Household machinery") .....	—	1	—	1
Vegetable peeling machines .....	—	1	—	1
Vending machines, automatic .....	—	1	—	1
Ventilating, exhaust and dust-collecting equipment:				
Blowers, complete with equipment .....	—	3,603,772	—	4,172,820
Fans, complete with equipment .....	—	1	—	1
Other equipment .....	—	2,810,550	—	3,873,936
Vulcanizers .....	—	1	—	1
Water wheels and turbines .....	—	764,033	—	740,797
Water softeners .....	—	232,215	—	243,107
Welding machinery:				
Electric arc welding equipment with controls .....	—	764,033	—	740,797
Other electric welding apparatus .....	—	232,215	—	243,107
Wood-working machinery (including hobby tools):				
Band sawing machines .....	2,205	255,149	3,257	183,973
Boring machines .....	49	14,536	1,205	40,546
Lathes .....	1,185	28,195	2,835	44,926
Matchers and planers .....	234	404,982	435	564,975
Moulders .....	15	81,366	17	73,752
Rip and cross-cut saws .....	223	137,257	11,703	355,151
Sanders .....	37	42,749	1,020	136,399
Shapers and jointers .....	—	240,924	3,280	141,942
Surfacers .....	11	39,197	9	70,552
Tenoners and mortisers .....	138	53,803	167	51,198
Other wood-working machinery and parts .....	—	1,801,324	—	1,318,499
All other machinery and parts, not separately specified ..	—	9,832,495	—	6,474,276
Total of items reported by only one or two firms .....	—	11,354,372	—	5,313,764
<b>Total machinery and parts .....</b>	<b>—</b>	<b>346,146,268</b>	<b>—</b>	<b>360,891,280</b>

## IRON AND STEEL PRODUCTS

TABLE 7. Employees and Earnings in the Machinery Industry by Provinces, 1948 and 1949

Province	Average Number of Employees						Earnings		
	Supervisory and office		Production and related workers		Total employees	Supervisory and office	Production and related workers	Total earnings	
	Male	Female	Male	Female					
<b>1948</b>									
New Brunswick and Nova Scotia	22	11	187	2	222	97,225	347,890	445,115	
Quebec	1,471	567	7,223	564	9,825	5,211,963	16,813,373	22,025,336	
Ontario	2,785	1,273	12,568	681	17,307	11,640,418	29,260,786	40,901,204	
Manitoba	65	31	353	—	449	262,790	706,946	969,736	
Saskatchewan	20	5	105	5	135	68,691	246,281	314,972	
Other provinces	311	137	1,504	73	2,025	1,223,859	3,643,622	4,867,481	
<b>Canada</b>	<b>4,674</b>	<b>2,024</b>	<b>21,940</b>	<b>1,325</b>	<b>29,963</b>	<b>18,504,946</b>	<b>51,018,898</b>	<b>69,523,844</b>	
<b>1949</b>									
Newfoundland, New Brunswick and Nova Scotia	25	13	213	5	256	111,510	387,717	499,227	
Quebec	1,517	608	6,650	557	9,332	5,885,453	15,652,378	21,537,831	
Ontario	3,035	1,341	12,703	695	17,774	13,207,622	31,661,787	44,869,409	
Manitoba	74	28	365	—	467	316,959	719,490	1,036,449	
Saskatchewan	20	5	114	3	142	59,781	247,176	306,957	
Alberta	64	14	269	14	361	271,908	583,044	854,952	
British Columbia	326	122	1,245	45	1,738	1,355,995	3,190,539	4,546,534	
<b>Canada</b>	<b>5,061</b>	<b>2,131</b>	<b>21,559</b>	<b>1,319</b>	<b>30,070</b>	<b>21,209,228</b>	<b>52,442,131</b>	<b>73,651,359</b>	

## Directory of Firms Included in the Machinery Industry, 1949

Name of Firm	Location of Plant
<b>(a) Household, Office and Store Machinery</b>	
<b>NOVA SCOTIA:</b>	
Canadian Assemblies, Limited .....	Amherst
<b>QUEBEC:</b>	
Amyot, Adélard, Inc. ....	3146 est, rue Ste,Catherine, Montréal
Amyot, Oswald .....	8 - 7th Ave., Lachine
Associated Clock Industries, Limited .....	535 St. Martin St., Montreal
Auto Knitters & Hosiery, Ltd. ....	6324, rue Louis-Hébert, Montréal
Canadian Fairbanks-Morse Company, Limited .....	980 St. Antoine St., Montreal
Canadian Pantex Machinery Co. Ltd. ....	3556 St. Lawrence Blvd., Montreal
Fabien, C.P., Ltd. ....	2471 St. Cunegonde St., Montreal
Fenton Steam Specialty Mfg. Co. Ltd. ....	3624 St. Lawrence Blvd., Montreal
Gauvin, Jos. ....	5, rue Lee, Québec
Lite, A.R., Mfg. Co. ....	2635 Aird Ave., Montreal
Polarimat Ltd. ....	2275 St. Catherine St. E., Montreal
Royal Typewriter Company, Limited .....	7035 Park Ave., Montreal
Shefford Furniture Ltd. ....	West Shefford
Singer Mfg. Co. ....	165 St. Paul St., St. Johns
Verdun Machine Shop Reg'd .....	480 Rothsay St., St. Lambert, Chambly Co.
<b>ONTARIO:</b>	
Atlantic Service Company, Limited .....	135 Logan Ave., Toronto
Beatty Bros., Limited .....	Hill St., Fergus
Beaver Laundry Machinery Company, Limited .....	393 Sorauen Ave., Toronto
Better Packages of Canada, Limited .....	58 Stewart St., Toronto
Blakeslee, G.S., & Company, Limited .....	1379 Bloor St. W., Toronto
Brantford Refrigerator, Limited .....	145 Yonge St., Toronto
Brantford Washing Machines, Limited .....	14 Grey St., Brantford

## Directory of Firms Included in the Machinery Industry, 1949 - Con.

Name of Firm	Location of Plant
<b>(a) Household, Office and Store Machinery - Continued</b>	
<b>ONTARIO - Concluded:</b>	
Burroughs Machines, Limited .....	804 McDougall St., Windsor
Canadian Hoffman Machinery Company, Limited .....	Newmarket
Canadian Ice Machine Company, Limited .....	65 Villiers St., Toronto
Canadian Laundry Machinery Company, Limited .....	47-93 Sterling Road, Toronto 3
Canadian Scale Company, Limited .....	41 Ossington Ave., Toronto
Coffield Washer Company, Limited .....	77-91 Niagara St., Hamilton
Connor, J.H., & Son, Limited .....	10 Lloyd St., Ottawa
Coulter, J., Co. of Toronto .....	45 Flora Ave., Scarborough
Ditto of Canada, Ltd. ....	310 Spadina Ave., Toronto 2B
Dowswell, Lees and Company, Limited .....	193 Elgin St., Hamilton
Easy Washing Machine Company, Limited .....	Miranda & Schell Ave., Toronto 10
Fairgrieve & Son, Limited .....	40-50 Dovercourt Road, Toronto
Gurney Scale Company, Limited .....	6 Colborne St., Hamilton
Hobart Manufacturing Company, Limited .....	175 George St., Toronto
International Business Machines Company, Limited .....	300 Campbell Ave., Toronto
Maxwells, Limited .....	73 Park St., St. Marys
McCaskey Systems, Limited .....	Beverley St., Galt
Milner, Edward, Co. Ltd. ....	311 Pharmacy Ave., Toronto 13
Morris Refrigerator Mfg. Co. ....	21 Walnut St. N., Hamilton
National Cash Register Co. of Canada, Limited .....	222 Lansdowne Ave., Toronto 3
Northern Eureka Refrigerator Co. Ltd. ....	260 Main St. S., Weston
Pitney-Bowes of Canada, Ltd. ....	179-181 King St. W., Toronto
Provincial Butchers' Machinery Co. Limited .....	393A Arlington Ave., Toronto 10
Remington Rand, Limited .....	301 Sherman Ave. N., Hamilton
Ruddy-Freeborn Co. Ltd. ....	69 Elgin St., Brantford
Scale, E.W., Co. Ltd. ....	2920 Bloor St. W., Toronto 18
Simplicity Products Limited .....	Guelph St., Hespeler
Smith, L.C., & Corona Typewriters of Canada, Ltd. ....	37 Front St. E., Toronto
Thor-Canadian Company, Limited .....	888 Dupont Ave., Toronto
Toledo Scale Co. of Canada, Ltd. ....	2462 Howard Ave., Essex Terminal Road, Windsor
Underwood Elliott Fisher Manufacturing Company, Limited .....	375 Madison Ave., Toronto
<b>MANITOBA:</b>	
Bell Refrigerator Co. Ltd. ....	1648 Portage Ave., St. James
Maytag Company, Ltd. ....	P.O. Box 2938, Winnipeg
<b>SASKATCHEWAN:</b>	
Ennis & Sons .....	1335 Wallace St., Regina
Rosthern Manufacturing Co. ....	P.O. Box 354, Rosthern
<b>ALBERTA:</b>	
Nielson, K.P. ....	120 - 12 th Ave. W., Calgary
<b>BRITISH COLUMBIA:</b>	
Gair, Alex .....	955 East Hastings St., Vancouver
Superior Refrigeration Company, Limited .....	135 West 1st St., North Vancouver
<b>(b) Machine Tools</b>	
<b>ONTARIO:</b>	
Acton Machine Shops .....	Acton
Bertram, John & Sons Company, Limited .....	15 Hatt St., Dundas
Brown Boggs Foundry & Machine Company, Ltd. ....	37 Victoria Ave. N., Hamilton
Canada Machinery Corporation, Limited .....	19 Concession St., Galt
Ford-Smith Machine Company, Limited .....	Cavell Ave., Hamilton
McDougall, R., Company, Limited .....	50 Chapman St., Galt
Peerless Machine & Tool Company, Limited .....	53-59 Duke St., Guelph
Standard Machine & Tool Company, Limited .....	870 Ottawa St., Windsor
Williams Tool Corporation of Canada, Limited .....	32-36 Bridge St., Brantford

## Directory of Firms Included in the Machinery Industry, 1949 — Con.

Name of Firm	Location of Plant
(c) Machinery, n.e.c. <sup>1</sup>	
<b>NEWFOUNDLAND:</b>	
Barnes Marine Engines .....	St. John's
<b>NOVA SCOTIA:</b>	
Acadia Gas Engines, Limited .....	King St., Bridgewater
Fairview Industrial Engineering Ltd. ....	325 Dutch Village Road, Halifax
Hawboldt 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>	
B. G. Manufacturing Ltd. ....	425 River St., Verdun
Braidwood, John, and Sons, Limited .....	66 Nazareth St., Montreal
Canadian Allis-Chalmers Ltd. ....	125 St. Joseph St., Lachine
Canadian Ingersoll-Rand Company, Limited .....	620 Cathcart St., Montreal
Canadian Pneumatic Tool Company, Limited .....	757 St. Antoine St., Montreal
Cement Block & Machinery Supply Reg'd. ....	227 rue Royal, Sorel
Comar Manufacturing Co. Reg'd. ....	2100 St. Clement Ave., Montreal
Coté Bros. & Burritt Ltd. ....	1280 Conde St., Montreal
Coté, Jos. Inc. ....	St. Ephrem
Crammond & Son, Limited .....	4865 Dagenais St., Montreal
Cusson Frères Ltée .....	284 Ontario St. W., Montreal
Darby Mfg. Reg'd. ....	296 Gordon Ave., Verdun
Darling Brothers, Limited .....	140 Prince St., Montreal
Dominion Engineering Works, Limited .....	First Ave., Lachine
Eastern Engineering Reg'd. ....	62-8th Ave., Sherbrooke
Forano Limited .....	St. Paul St., Plessisville
Fournier, Octave .....	St. Charles de Bellechasse
Godscraft Industries Ltd. ....	1132 William St., Montreal
Gosselin, J.A., Co. Limited .....	301 Hebert St., Drummondville
Hardware & Wooden Ware Inc. ....	330 Water St., Coaticook
Hydraulic Machinery Co. Ltd. ....	1972 Tansley St., Montreal
Industrie, R.D., Enrg. ....	9 Père Lacombe, Québec
Jackson, W.A. & Co. ....	2010 Cardinal St., Montreal
Jeffrey Mfg. Co. Limited .....	300 st. Patrick St., Ville La Salle
La Compagnie F. X. Drolet .....	206 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
Linde Canadian Refrigeration Company, Limited .....	355 St. Peter St., Montreal
Lortie & Voisine Enrg. ....	162, rue St-Paul, Québec
Machineries Mercier Ltée .....	12, rue St-Laurent, Lévis
Miller Bros. & Sons, Limited .....	45 Seigneurs St., Montreal
Montreal Scale Works Enrg. ....	421 Bonsecours, Montreal
Montreal Shoe Machinery Company, Limited .....	535 Ontario St. E., Montreal
Moody, M., & Sons Co. ....	740 Inspector St., Montreal
Nagle Elevator Company, Reg'd. ....	268 Dorchester St. W., Montreal
National Electric Refrigerator Ltd. ....	Montmagny
Northern Industries Co. Ltd. ....	7190, rue Chateaubriand, Montréal
O'Neill European Machine Co. of Montreal Canada .....	Stirling Ave., Ville La Salle
Paquin, Alph., & Fils .....	568, rue St-Antoine, Joliette
Peltier Handling Equipment Company, Limited .....	4285 Notre Dame E., Montreal
Poitras, Jos. et Fils Ltée .....	L'Islet Station
Precision Parts Limited.....	755-1st Ave., Lachine
Provident Manufacturing Company, Limited .....	20 Brodeur St., St. Hyacinthe
Pulp & Paper Mill Accessories, Limited .....	2037 Aylmer St., Montreal
Robinson Oil Burning Systems .....	220 Elm Ave., Westmount
Rubenstein Bros. Company .....	50 Craig St. W., Montreal
Sherbrooke Machineries, Limited .....	Randall St., Sherbrooke
Southern Industries, Limited .....	Marieville
Suburb Manufacturing Company, Reg'd. ....	960 Lafayette Ave., Montreal South
Szeibert Meat Machines .....	2270 Ontario St. E., Montreal
Technical Accessories Engineering Co. ....	1070, rue Cartier, Montréal
Thibault, Pierre .....	Pierreville
United Shoe Machinery Company of Canada, Limited .....	2610 Bennett Ave., Montreal
Valois & Valois, Ltée. ....	639 Notre Dame St. W., Montreal

## Directory of Firms Included in the Machinery Industry, 1949 — Con.

Name of Firm	Location of Plant
(c) Machinery, n.e.c. <sup>1</sup> — Continued	
<b>QUEBEC — Concluded:</b>	
Vessot, S. & Cie., Limitee .....	603 Querbes Blvd., Joliette
Victory Tool & Machine Company, Ltd.....	236-250 Rose de Lima, Montreal
Wilson Machine Company, Limited .....	161 Nazareth St., Montreal
<b>ONTARIO:</b>	
Adams, J.D., Limited .....	Adams Ave. & Spruce St., Paris
Albany Pump Company .....	840 King St., Toronto
American Can Company .....	Lewis Ave., Niagara Falls
Armstrong, S.A., Limited .....	1400 O'Connor Drive, Toronto
Ashton Press Mfg. Co. Ltd. ....	60 Beech St., Ottawa
Associated Industrial Designers .....	17 Queen St. E., Toronto
Atlas Engineering and Machine Company Limited .....	16 Eastern Ave., Toronto
Austin, A., Industries, Limited.....	19 Cordova Ave., Islington, Toronto
Baer Elevator Supplies Limited .....	50 Pearl St., Toronto
Barber, C., & Sons .....	Bayfield St., Meaford
Bata Engineering Div. of Bata Shoe Co. of Canada, Ltd. ....	Batawa
Bawden Machine Co., Limited .....	163 Sterling Road, Toronto
Beatty Machine & Tool Works.....	175 Munro St., Toronto
Benhill Machines of Canada Ltd. ....	153 Surrey St. E., Guelph
Bickle-Seagrave, Limited .....	16 Yonge St., Woodstock
Bowser, S.F., Company, Limited .....	344 Sherman Ave. N., Hamilton
Brantford Oven and Rack Company, Limited.....	Brock & Campbell Sts., Brantford
Brunner Corporation (Canada) Limited .....	Peter St., Port Hope
Buchanan, F.L., Limited .....	129-131 Front St. S., Orillia
Burnside, Harry.....	442 King St. W., Toronto
Canada Vulcanizer & Equipment Company, Limited .....	1109 York St., London
Canadian Ironing Machine Company, Limited .....	944 Yonge St., Toronto
Canadian Longyear, Limited .....	1111 Main St. W., North Bay
Canadian Mines Equipment Company, Limited .....	596 Hamilton Road, London
Canadian Sirocco Company, Limited .....	310 East Ellis St., Windsor
Canners' Machinery, Limited .....	39 Sydenham St., Simcoe
Canners' Machinery, Limited .....	54 Maple St., Aylmer
Clark Machine Company .....	Merritt St., Merritton
Clarke, D.R., Engine Co. Ltd. ....	2462 Dufferin St., Toronto
C.L.C. Machinery Company .....	196-8 Grant Ave., Hamilton
Climax Baler Company, Limited .....	43-53 Burton St., Hamilton
Cober Elevator Manufacturing Company .....	137 Roncesvalles Ave., Toronto
Commercial Kitchen Equipment Mfg. Co. ....	548 Yonge St., Toronto 5
Cooke & Denison Machine and Tool Works .....	31 Yarmouth St., Guelph
Corman Engineering Company, Limited .....	525 Richmond St. W., Toronto
Cowan and Company of Galt, Limited .....	81 N. Water St., Galt
Deer Fixtures Company, Limited .....	133 Jarvis St., Toronto
Deimler Refrigeration.....	5 Walcott Ave., Toronto 13
Delamere & Williams Company, Limited .....	18-32 Hock Ave., Toronto 9
Dept. of Transport, Marine Services Branch .....	King St. W., Prescott
Dillon, Thomas A., Screening Equipment .....	2775 Dufferin St., Toronto
Dominion Auto-Drive, Limited .....	315 Devonshire Road, Windsor
Dominion Road Machinery Company, Limited .....	East St., Goderich
Dominion Rubber Company, Limited .....	Elm St., Kitchener
Douglas Brown & Campbell, Limited .....	Mount Brydges
Eps, Clifford H. ....	Clinton
Factory Equipment, Ltd. ....	21 Jarvis St., Toronto
Fastcut Bits Limited .....	Box 516, Ferris
Fellows, J.A., and Company .....	27 Jarvis St., Brantford
Fleck, Alexander, Ltd. ....	416 Wellington St., Ottawa
Fletcher Manufacturing Company, Limited .....	885 Dundas St. E., Toronto 8
Food Processing Equipment, Limited .....	Brigger St., St. Catharines
Foreman Marine Equipment, Limited .....	257 Fleet St. E., Toronto
Gault Elevator Company, Limited .....	463 Church St., Toronto
Geraldton Bits Limited .....	Geraldton
Gibson Machines .....	455 Keele St., Toronto
Gilbert and Barker Manufacturing Company, Limited .....	68 Yonge St., Toronto
Glen Purvis Enterprises Limited .....	379 Highway Ave., London
Glider Guard Manufacturing Co. Ltd. ....	946 Josephine Ave., Windsor
Goldsworthy, R.D., & Co. Ltd. ....	472 Mill St., Kitchener
Greey, Wm. & J.G., Limited .....	56 Esplanade St., Toronto
Hall, Fred, and Son .....	39 Wentworth St. N., Hamilton
Hamilton Gear and Machine Company .....	950 Dupont St., Toronto
Harley-Kay-Marsland Ltd. ....	Water St., Georgetown

## Directory of Firms Included in the Machinery Industry, 1949 - Con.

Name of Firm	Location of Plant
(c) Machinery, n.e.c. <sup>1</sup> - Continued	
<b>ONTARIO — Continued:</b>	
Heath and Sherwood Limited .....	6 Duncan Ave., Kirkland Lake
Henry Power Tools Ltd.....	122 Weston St., London
Hepburn, John T., Limited .....	914-948 Dupont St., Toronto
Hubbard Portable Oven Company of Canada, Limited .....	154 Duke St., Toronto
Hudson Manufacturing Company .....	The Airport, Box 413, Oshawa
Industrial Truck Company.....	960 Eastern Ave., Toronto
Involute Gear Co. .....	321 Howland Ave., Toronto
Jackson-Cochrane, Limited .....	16 Victoria St. N., Kitchener
Joy Manufacturing Company (Canada) Ltd.....	175 Beverly St., Galt
Keicher Engineering .....	79 King St. S., Waterloo
Kennedy, William & Sons, Limited .....	1144-1st Ave. W., Owen Sound
Ker and Goodwin Machinery Company, Limited .....	260 Colborne St., Brantford
Kermath (Canada) Limited .....	619 King St. W., Toronto
La France Fire Engine and Foamite, Limited .....	195 Weston Road, Toronto
Lanork Industries Ltd. .....	671 Wyandotte St. E., Windsor
Leepo Machine Products Ltd. ....	69 Lauzon Road, Riverside
Leitch, Arthur S., Company, Limited .....	1123 Bay St., Toronto 5
Link-Belt Ltd. ....	Elmira and 791 Eastern Ave., Toronto
Lock, J.H., & Sons, Limited .....	150 Perth Ave., Toronto
London Concrete Machinery Company, Limited .....	Corner Cabell & Kitchener Ave., London
Long, E., Limited .....	West St. S., Orillia
Mahaffy Iron Works Company, Ltd. ....	145 Kendall Ave., Toronto
Mathews Conveyer Company, Limited .....	South John St., Port Hope
McDonald, K.R. ....	Georgetown
McInnis, C.H., Company .....	1857 Walker Road, Windsor
McLachlan, John, Estate .....	Laidlaw St. N., Canning
Mercury Manufacturing Co. ....	1624 Queen St. E., Toronto
Miller Machine Works .....	14 Railroad St., Schumacher
Morris, Herbert Crane & Hoist Co., Limited .....	Stanley Ave., Niagara Falls
National Equipment Company, Limited .....	41-45 Wabash Ave., Toronto
New Ontario Machine Works, Limited .....	7-1st Ave., Timmins
Niagara Screens and Machines, Limited .....	54 Wellington St. W., Toronto
Northern Crane & Hoist Works Limited .....	1428 Argyle Road, Windsor
Northern Foundry & Machine Company, Limited .....	452 Bay St., Sault Ste. Marie
Noy, P.C., & Sons, Limited .....	Orillia
Odd, H., Centerless Grinding Limited .....	71 Mill St., Kitchener
Oil Well Supply Company, Limited .....	Robert St., Petrolia
Otis Elevator Company, Limited .....	Victoria Ave. N., Hamilton
Ottawa Car and Aircraft Ltd. ....	321 Slater St., Ottawa
Outboard Marine & Manufacturing Co. of Canada, Limited .....	Peterborough
Paasche Airbrush (Canada) Ltd. ....	864 Page Ave., Toronto
Parkhill Machinery Co. Ltd. ....	Parkhill
Patterson Foundry & Machine Company, Limited .....	Danforth Road, Toronto
Pendrith Machinery Company, Limited .....	775 King St. W., Toronto
Perrin, Wm. R., Limited .....	530 King St. E., Toronto 2
Perrin-Turner, Limited .....	1988 Queen St. W., Toronto
Phin Sales Co. ....	18 Dickens Ave., Toronto
Plant, W.P., Estate .....	Bridge St., Hastings
Plewes-Jackson Engineering, Limited .....	58 Fraser Ave., Toronto
Pollard Manufacturing Company, Limited .....	564 Ferguson St., Niagara Falls
Preston Woodworking Machinery Company, Limited .....	Preston
Price Machine Products .....	Norfolk St. S., Simcoe
Provincial Engineering Limited .....	674 Ferguson St., Niagara Falls
Pumps & Softeners, Limited .....	680 Waterloo St., London
Renfrew Machinery Company, Limited .....	Hall St., Renfrew
Richards-Wilcox Canadian Co. Ltd. ....	Terrace St., London
Richardson, C. and Company, Limited .....	St. Mary's
Richmond Industrial Equipment, Limited .....	411 Adelaide St. W., Toronto
Roberts, F.W., Manufacturing Company of Canada, Limited .....	695 Buttrey Ave., Niagara Falls
Roelofson Elevator Company, Limited .....	3803 Dundas St. W., Toronto
Rollins Gears Limited .....	19 Young St., Woodstock
Ryckman Machine Co. Ltd. ....	24 King St. W., Stoney Creek
Sandy Road Equipment Limited .....	Victoria St., Goderich
Scott Engineering Company, Limited .....	4289 Dundas St. W., Toronto
Service Station Equipment Company, Limited .....	101 Hanson St., Toronto
Shearing Elbow Machinery .....	16 Concession St. W., Tillsonburg
Sheldona Engineering Limited .....	96 Grand Ave. S., Galt
Smart-Turner Machine Company, Limited .....	191 Barton St. E., Hamilton
Smith and Travers Company, Limited .....	208 Walnut St., Sudbury
Specialty Equipment Company .....	815-817 Queen St. W., Toronto

## Directory of Firms Included in the Machinery Industry, 1949 - Con.

Name of Firm	Location of Plant
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(c) Machinery, n.e.c.<sup>1</sup> - Continued

## ONTARIO - Concluded:

St. Lawrence Engine Company, Limited .....	St. Andrews St., Brockville
Stephens-Adamson Mfg. Co. of Canada Ltd. ....	30 Franklin St., Belleville
Stevens Company of Galt Ltd. ....	12 Rose St., Galt
Sturtevant Company of Canada Ltd. ....	Middleton St., Galt
Super Oil Seal Mfg. Co. Limited .....	508 Wellington St. N., Hamilton
Textile Services Ltd. ....	17 Brock St., Woodstock
Thermoid Moulds & Tool Works Limited .....	Bruce St., Welland
Timberland Machines Limited .....	Wellington St., Woodstock
Timken Roller Bearing Co. ....	1055 Talbot St., St. Thomas
Toronto Engine Works, Limited .....	2 Laird Drive, Leaside, Toronto
Toronto Textile Machinery Company .....	485 Wellington St. W., Toronto
Turnbull Elevator Company, Limited .....	126 John St., Toronto
United Steel Corporation, Limited .....	58 Pelham Ave., Toronto
Viking Pump Company of Canada, Limited .....	317 King St., Welland
Vulcan Metalcraft Ltd. ....	661 Grove Ave., Windsor
Walker-Wallace, Limited .....	193A King St. E., Toronto
Wallace & Tiernan, Limited .....	17 Cornwall St., Toronto
Waterous, Limited .....	350 Sorauren Ave., Toronto
Watson, John Mfg. Co. Ltd. ....	S. Market St., Brantford
Wayne Pump Company .....	Ayr
Weaver Industries, Limited .....	829 Richmond St. W., Toronto
Webster Air Equipment, Limited .....	341 Richmond St., Chatham
Welker Manufacturing Company, Limited .....	1161 King St., London
Welland Machine & Tool, Limited .....	32 Queen St. S., Waterloo
Wellman, S.K., Co. of Canada Ltd. ....	41 Victoria St., Welland
Westco Pump & Engineering, Limited .....	2839 Dufferin St., Toronto
Williams Machines, Limited .....	7 Stewart St., Toronto
Woodstock Machinery, Limited .....	311 Montrose St., Preston
Yates, P.B., Machine Company, Limited .....	655 Canterbury St., Woodstock
	Cathcart & Robert Sts., Hamilton

## MANITOBA:

Acme Fan & Blower Co., Limited .....	868 Arlington St., Winnipeg
Alpha Manufacturing Company, Limited .....	Notre Dame & Midland, Winnipeg
Elias, Thomas, Mfg. Co. ....	1084 Winnipeg Ave., Winnipeg
Forever Industries, Limited .....	115 Robinson St., Winnipeg
Guarantee Laundry and Dry Cleaning Machinery Company .....	838 Winnipeg Ave., Winnipeg
Hart-Emerson Company, Limited .....	1425 Whyte Ave., Winnipeg
Hedley, P.E., & Sons .....	Hamiota
Kipp-Kelly, Limited .....	68 Higgins Ave., Winnipeg
Krushel, L., & Sons .....	Morden
Modern Products Company .....	1373 Portage Ave., Winnipeg
Monarch Machinery Co. Ltd. ....	889 Erin St., Winnipeg
Pyde & Evans Engineering Co. Ltd. ....	1018 Sherbrook St., Winnipeg
Reimerson Farm Implements, Limited .....	Ste. Anne
Roberts, Wm., Limited .....	120 Lombard St., Winnipeg
Strong-Scott Manufacturing Company, Limited .....	772-782 Dufferin Ave., Winnipeg

## SASKATCHEWAN:

Canadian Well Supply Company, Limited .....	Cor. Atkinson St. & Dewdney, Regina
Gregg's Machinery Exchange .....	6th Ave. & Halifax St., Regina
Richardson Road Machinery Company Limited .....	112 Ave. 1, South, Saskatoon
Tractor Boneyard .....	Albert N. & 2nd Ave., Regina
Universal Grain Loader Company .....	2048 Toronto St., Regina
Victory Water Softener Company.....	1751 Scarth St., Regina
Western Machine Works, Limited .....	1201 Scarth St., Regina

## ALBERTA:

Alco Machine Works Ltd. ....	6915 - 104th St., Edmonton
Coutts Machinery Company, Limited .....	10569-95th St., Edmonton
Hoover Machine Co. Ltd. ....	1 Hangar Municipal Airport, Edmonton
Industrial Engines (Alta) Ltd. ....	9936-109th St., Edmonton
J.R. Machinery Co. Ltd. ....	8007-102nd St., Edmonton
Modern Machines .....	10714-121st St., Edmonton
Riverside Iron Works, Limited .....	803 - 24th Ave. S.E., Calgary

## Directory of Firms Included in the Machinery Industry, 1949 - Conc.

Name of Firm	Location of Plant
(c) Machinery, n.e.c. <sup>1</sup> - Concluded	
<b>BRITISH COLUMBIA:</b>	
Allard Engineering, Limited .....	1031 Quebec St., New Westminster
Boyles Bros. Drilling Company, Limited .....	1291 Parker St., Vancouver
Burnett Power Saws & Engineering Co. Ltd. ....	1616 Pandora St., Vancouver
Canadian Mobile Co. Ltd. ....	Foot Fell Ave., N. Vancouver
Canadian Sumner Iron Works, Limited .....	3550 E. Broadway, Vancouver
Chain Saws, Limited .....	Granville Island, Vancouver
Convey Air Company .....	125 West St., N. Vancouver
Easthope Bros., Limited .....	1747 W. Georgia St., Vancouver
Eckersley, M. ....	5731 Victoria Drive, Vancouver
Empire Machinery Ltd. ....	1201-6th Ave. W., Vancouver
Equipment Sales & Rentals .....	603 Powell St., Vancouver
Galco Machines .....	553 West 8th Ave., Vancouver
Gearmatic Co. Ltd. ....	636 W. 6th Ave., Vancouver
Gilchrist Engineering Company, Limited .....	135 West 2nd Ave., Vancouver
Gravely Equipment Co. Ltd. ....	1412 S.W. Marine Drive, Vancouver
Hamilton, G. J., Limited .....	910 Beach Ave., Vancouver
Heaps, Waterous, Limited .....	Ewen Ave., New Westminster
Industrial Engineering, Limited .....	503 East Pender St., Vancouver
Leland Manufacturing Company, Ltd. ....	1790 Powell St., Vancouver
Letson & Burpee, Limited .....	172 Alexander St., Vancouver
Long, W.A., Contracting & Equipment Co. ....	2 East 1st Ave., Vancouver
Marine Iron Works, Limited .....	515 Pembroke St., Victoria
Mitchell, George E., Refrigeration Ltd. ....	453 Thurlow St., Vancouver
Murdie, G.B., Limited .....	Industrial Reserve, Victoria
Murray-Latta Machine Company, Limited .....	311-2nd Ave. W., Vancouver
Nicholson & Sons .....	666 Alexander St., Vancouver
Opsal Steel Company, Limited .....	97 East 2nd Ave., Vancouver
Paragon Equipment Manufacturing Company, Limited .....	845 East Hastings St., Vancouver
Power Machinery Limited .....	148 East 3rd Ave., Vancouver
Progressive Engineering Works, Limited .....	360 West 1st Ave., Vancouver
Pumps & Power, Limited .....	40 E. Cordova St., Vancouver
Simplex Engine and Manufacturing Co., Limited .....	1865 West Georgia St., Vancouver
Tyee Machinery Company, Limited .....	Lot 71, Granville Island, Vancouver
Vancouver Engineering Works Ltd. ....	519 West 6th Ave., Vancouver
Vancouver Mill Machinery .....	937 Main St., Vancouver
Vivian Diesels & Munitions, Limited .....	1660 Station St., Vancouver
Wagstaff Hoist, Limited .....	955 Kingsway, Vancouver
Webb & Gifford, Limited .....	222 Front St., New Westminster
Westminster Iron Works Company, Limited .....	1135 Queen Ave., New Westminster

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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