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CANADA



# 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, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
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  - Section C. Quebec, 25¢
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- 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, 25¢
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- L — The Wire and Wire Goods Industry, 25¢
- M — The Miscellaneous Iron and Steel Products Industry, 25¢

## THE MACHINERY INDUSTRY 1955

Factory shipments by firms in the Machinery Industry were valued at \$368,424,434 in 1955, an increase of 7.7 per cent over the 1954 total of \$342,210,737. The 408 firms which reported in this group for 1955 were distributed across Canada as follows: 2 in Newfoundland; 3 in Nova Scotia; 2 in New Brunswick; 84 in Quebec; 245 in Ontario; 16 in Manitoba; 8 in Saskatchewan; 4 in Alberta and 44 in British Columbia. These plants gave employment to a total of 33,308 workers who were paid \$119,231,092 in salaries and wages. Materials worth \$152,975,546 were purchased for use in manufacturing processes and an additional \$3,938,891 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 1955 the total output of machinery from all industries was \$549,505,000 compared with \$503,853,000 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, roadmaking machinery, gasoline-dispensing pumps, machine tools, rolling mill machinery, etc.

The new Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics in its compilations since 1949, provides for a breakdown of the machinery group into three divisions: (a) Household, office and store machinery; (b) Machine tools; (c) Machinery, n.e.c. The latter category includes establishments primarily engaged in manufacturing special industrial machinery, such as textile machinery, wood-working machinery, pulp and paper machinery, engines and turbines, mining machinery, conveyor systems and elevators, etc. Data given in Tables 1, 4, 5, 7, 8, 9, 10 and 11 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".

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Note: Figures for value added by manufacture, shown in Table 1, 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 information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures for 1954 and 1955.

## IRON AND STEEL PRODUCTS

TABLE 1. Principal Statistics of the Machinery Industry, Significant Years 1929-1955,  
and by Provinces, 1954 and 1955

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>
	No.	No.	\$	\$	\$	\$	\$
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
1951 .....	379	34,154	99,084,443	3,333,355	123,051,362	178,624,118	305,008,835
1952 .....	402	34,651	110,981,956	3,499,782	127,446,023	211,356,586	342,302,391
1953 .....	401	34,111	113,958,067	3,472,290	128,409,332	210,462,393	342,344,015
1954							
Newfoundland .....	2	296	972,401	42,633	1,173,713	1,491,735	2,759,061
New Brunswick .....	2	173	340,308	20,096	179,251	583,187	784,584
Nova Scotia .....	5	10,448	34,332,092	1,233,777	33,631,788	62,676,097	98,582,522
Quebec .....	83	19,679	70,742,917	2,150,438	89,882,066	130,318,027	220,367,876
Ontario .....	241	356	1,167,442	42,220	1,029,397	1,935,338	2,957,061
Manitoba .....	13	133	423,385	23,470	659,838	634,028	1,300,065
Saskatchewan .....	7	276	947,741	20,411	787,839	1,256,923	2,175,172
Alberta .....	5	1,490	5,312,716	200,403	3,802,009	9,034,783	13,284,396
British Columbia .....	41	184	665,779	43,489	1,171,676	1,304,729	2,528,812
Canada .....	399	32,851	114,239,002	3,733,448	131,145,901	207,930,118	342,210,737
1955							
Newfoundland .....	2	89	223,374	12,405	171,578	564,910	667,029
New Brunswick .....	3	10,726	35,834,647	1,288,951	42,953,019	59,707,459	106,629,111
Nova Scotia .....	84	19,777	73,145,487	2,274,276	99,724,300	131,714,426	232,321,585
Quebec .....	245	395	1,266,304	46,189	1,321,221	2,117,590	3,463,803
Ontario .....	16	137	449,877	25,343	598,641	547,334	1,223,421
Manitoba .....	8	269	938,769	20,351	814,069	1,360,514	2,197,040
Saskatchewan .....	4	1,731	6,706,855	227,887	6,221,042	13,303,982	19,393,634
Alberta .....	44	184	665,779	43,489	1,171,676	1,304,729	2,528,812
British Columbia .....	408	33,308	119,231,092	3,938,891	152,975,546	210,620,944	368,424,434

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.

1. See footnote to text.

TABLE 2. Principal Statistics, by Sub-groups<sup>1</sup>, 1954 and 1955

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
	No.	No.	\$	\$	\$	\$	\$
1954							
Household, office and store machinery .....	73	8,507	28,125,347	977,779	42,375,333	52,720,674	95,986,387
Machine tools .....	14	1,498	5,624,009	157,147	4,838,542	8,039,688	12,554,066
Machinery, n.e.c. ....	312	22,846	80,489,646	2,598,522	83,932,026	147,169,756	233,670,284
Total .....	399	32,851	114,239,002	3,733,448	131,145,901	207,930,118	342,210,737
1955							
Household, office and store machinery .....	77	8,333	28,009,461	931,481	46,709,159	58,046,043	106,261,768
Machine tools .....	10	1,137	4,691,926	113,498	3,600,490	5,666,329	9,218,288
Machinery, n.e.c. ....	321	23,838	86,529,705	2,893,912	102,665,897	146,908,572	252,944,378
Total .....	408	33,308	119,231,092	3,938,891	152,975,546	210,620,944	368,424,434

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

TABLE 3. Inventories<sup>1</sup>, 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
<b>(a) By sub-groups</b>				
Opening:				
Household, office and store machinery .....	13,054,425	9,257,360	11,592,583	33,904,368
Machine tools .....	865,838	1,039,779	1,212,979	3,118,596
Machinery, n.e.c.,.....	22,207,371	23,499,784	23,258,249	68,965,404
<b>Total .....</b>	<b>36,127,634</b>	<b>33,796,923</b>	<b>36,063,811</b>	<b>105,988,368</b>
Closing:				
Household, office and store machinery .....	13,751,123	9,580,013	11,017,498	34,348,634
Machine tools .....	1,067,818	1,148,852	1,375,008	3,591,678
Machinery, n.e.c.,.....	25,901,150	25,398,778	22,782,252	74,082,180
<b>Total .....</b>	<b>40,720,091</b>	<b>36,127,643</b>	<b>35,174,758</b>	<b>112,022,492</b>
<b>(b) By provinces</b>				
Opening:				
Newfoundland and New Brunswick .....	154,380	147,272	91,312	392,964
Nova Scotia .....	35,060	113,500	34,000	182,560
Quebec .....	8,908,277	11,123,646	13,768,477	33,800,400
Ontario .....	24,990,806	20,999,983	20,589,272	66,580,061
Manitoba .....	441,653	116,138	283,506	841,297
Saskatchewan .....	70,637	135,829	259,807	466,273
Alberta .....	113,412	114,007	28,300	255,719
British Columbia .....	1,413,409	1,046,548	1,009,137	3,469,094
<b>Canada .....</b>	<b>36,127,634</b>	<b>33,796,923</b>	<b>36,063,811</b>	<b>105,988,368</b>
Closing:				
Newfoundland and New Brunswick .....	263,862	158,571	82,394	504,827
Nova Scotia .....	88,981	6,254	115,864	211,099
Quebec .....	9,533,388	11,178,810	11,088,795	31,800,993
Ontario .....	28,825,129	23,161,507	21,980,689	73,967,325
Manitoba .....	379,571	90,417	304,704	774,692
Saskatchewan .....	236,875	108,793	207,704	553,372
Alberta .....	94,185	122,399	26,194	242,778
British Columbia .....	1,298,100	1,300,892	1,368,414	3,967,406
<b>Canada .....</b>	<b>40,720,091</b>	<b>36,127,643</b>	<b>35,174,758</b>	<b>112,022,492</b>

1. (a) Book value of all manufacturing inventories owned and held at plant and 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 1955 does not necessarily agree with the closing inventory for 1954 because of the addition of new plants, the transfer of plants to other industries, plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 4. Products Made by Firms Included in the Machinery Industry, 1954 and 1955

Item	Value of factory shipments	
	1954	1955
	\$	\$
Machinery:		
Air compressors.....	5,624,111	5,226,351
Air-conditioning equipment .....	1,249,171	991,367
Agricultural implements and parts .....	312,896	213,648
Bakers' machinery and parts .....	1,286,569	1,308,043
Blowers for domestic furnaces .....	397,283	811,745
Canning machinery and parts .....	1,337,721	1,149,444
Cement mill machinery and parts .....	3,365,286	2,036,078
Coal-pulverizing and coal-cleaning machinery and parts .....	308,225	110,114
Concrete-making machinery and parts .....	1,014,337	1,866,779
Conveying and elevating machinery and parts .....	12,876,379	12,981,554
Dairy and creamery machinery and parts .....	1,296,385	1,162,029
Elevators, freight and passenger, and parts .....	13,540,559	12,560,473
Engines, steam, Diesel, gas, and parts .....	16,004,493	16,998,737
Fire-fighting equipment .....	2,392,722	1,813,293
Flour and grist mill machinery and parts .....	496,398	527,987
Grain elevator machinery and parts .....	1,044,508	925,983
Hoisting machinery (except mine hoists) and parts .....	4,976,835	5,269,013
Household machinery and parts .....	33,065,064	39,195,825
Laundry, cleaning and pressing machinery and parts .....	2,503,552	1,843,668
Leather-working and shoe machinery and parts .....	927,679	1,007,596
Logging machinery and parts .....	945,890	1,267,291
Metal-working machinery and parts (machine tools).....	8,093,043	6,107,876
Mining and metallurgical machinery and parts .....	16,649,718	18,017,168
Office, business and store machinery and parts .....	35,203,994	37,637,112
Plastics machinery and parts .....	114,967	31,902
Printing machinery and parts .....	464,164	388,212
Pulp mill and paper mill machinery and parts .....	14,063,985	15,348,277
Pumps and parts .....	19,202,327	18,565,785
Refrigeration and ice-making machinery .....	6,191,523	7,916,862
Road-making machinery and parts .....	4,687,206	6,409,851
Rubber mill machinery and parts .....	1,133,354	1,416,465
Sawmill machinery and parts .....	2,701,858	2,790,755
Service station and garage machinery (including pumps) .....	4,721,501	6,400,112
Ships' machinery and fittings, except winches .....	2,105,515	6,673,991
Stokers and parts .....	146,879	108,081
Textile machinery and parts .....	409,513	380,498
Transmission machinery and parts .....	14,396,923	18,052,922
Ventilating, exhaust and dust-collecting systems .....	7,533,564	7,045,883
Water-wheels and water turbines .....	9,104,807	5,889,979
Wood-working machinery and parts .....	3,116,662	4,791,172
All other machinery, including power shovels, glass-blowing machinery, rolling mill machinery, etc., and parts .....	24,639,584	38,549,960
<b>Total machinery and parts .....</b>	<b>279,647,150</b>	<b>311,789,881</b>
All other products .....	41,501,109	40,961,075
Amount received for repair and custom work .....	21,062,478	15,673,478
<b>Total .....</b>	<b>342,210,737</b>	<b>368,424,434</b>

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 3. Materials Used by Firms in the Machinery Industry, 1954 and 1955

Material	Unit of measure	1954		1955	
		Quantity	Cost at works	Quantity	Cost at works
Iron:			\$		\$
Pig iron .....	ton	18,904	1,127,377	19,293	1,185,016
Steel:					
Bars .....	ton	28,533	4,725,407	26,898	4,591,269
Plates .....	"	15,396	2,040,428	22,890	3,342,846
Sheets:					
Black .....	"	15,125	2,205,308	17,691	2,701,863
Galvanized .....	"	3,809	623,910	3,524	596,726
Tin plate .....	"	244	56,974	255	42,366
Strip:	"	1,366	270,065	1,842	334,179
Structural shapes .....	"	27,988	4,027,641	24,812	3,915,763
Wire .....	"	1,982	307,215	1,578	283,832
Stainless steel .....	—	—	1,300,432	—	2,343,037
Other alloy steel and tool steel, carbon and alloy, including high-speed .....	—	—	1,891,951	—	3,778,367
Scrap iron or steel .....	ton	21,380	854,715	31,568	1,367,663
Other iron or steel .....	—	—	11,933,306	—	12,926,326
Ferro-alloys .....	—	—	171,741	—	132,782
Non-ferrous metals, including scrap:					
Aluminum:					
Castings .....	pound	2,071,706	2,408,005	3,468,812	3,543,156
Sheet .....	"	752,391	305,042	852,023	379,760
Other forms .....	"	2,622,712	906,472	2,939,827	1,146,494
Brass and bronze .....	"	5,444,523	2,188,650	6,819,727	2,751,373
Copper - Sheet .....	"	618,522	333,560	268,328	148,038
Wire .....	"	696,803	330,638	659,684	350,346
Other forms .....	"	1,140,452	511,643	1,540,831	813,073
Lead .....	"	217,841	35,253	195,979	35,737
Nickel .....	"	234,973	152,050	227,590	148,443
Tin .....	"	22,053	22,190	23,363	25,823
Zinc .....	"	1,125,024	311,997	1,612,789	422,810
Babbitt metals and solders .....	"	350,430	188,395	336,219	172,772
Other non-ferrous metals .....	—	—	602,167	—	488,730
Other materials and supplies:					
Iron and steel pipe, tubes and fittings .....	—	—	1,316,595	—	1,626,360
Paints, oils and varnishes .....	—	—	827,846	—	1,048,274
Foundry coke (cupola) .....	ton	10,725	325,369	12,262	378,887
Moulding sands .....	"	12,973	102,141	12,353	98,719
Core sands .....	"	7,858	43,814	10,641	60,626
Silica sand .....	"	2,470	29,336	2,132	27,230
Other foundry sands .....	"	1,394	12,378	1,103	9,657
Plumbago .....	pound	126,074	14,347	183,746	19,260
Lumber .....	M ft. b.m.	13,383	1,460,535	13,465	1,421,511
Firebrick .....	number	220,257	38,527	233,450	41,613
Fireclay .....	ton	770	19,075	2,782	28,657
Cupola blocks .....	number	16,656	6,911	17,373	7,904
Core oil .....	Imp. gal.	51,021	53,617	51,351	56,242
Shipping materials .....	—	—	1,607,109	—	1,983,380
All other materials .....	—	—	85,455,769	—	98,198,636
Total .....	—	—	131,145,901	—	152,975,546

**TABLE 6. Factory Shipments<sup>6</sup> of Industrial, Household and Business Machinery, 1954 and 1955**  
 (Data assembled from all industries)

Item	1954		1955	
	Number	Value of factory shipments <sup>6</sup>	Number	Value of factory shipments <sup>6</sup>
Air compressors:		\$		\$
Stationery type .....	—	4,971,411	—	4,601,000
Portable type .....	—	1,190,112	—	1,217,000
Air-conditioning equipment:				
Complete systems .....		see below		
Room conditioners .....	2,047	453,470	1,975	806,000
Room air conditioners, window type .....	1,546	739,029		
Self-contained air conditioners, except window type — 2-5 h.p. ....	294	250,838	498	385,000
— over 5 h.p. ....	—	1,907,134	—	3,123,000
Air conditioners, central plant, domestic .....				
All other air-conditioning equipment .....				
Bakers' machinery:				
Mixing machines .....	765	632,687	709	600,000
Ovens .....	110	354,863	262	492,000
Other bakers' machinery and parts .....	—	299,019	—	371,000
Baling machines .....	1	1	1	1
Blowers for domestic furnaces .....	60,127	1,192,187	104,705	1,761,000
Bottling machinery and parts .....	—	147,920	—	103,000
Canning machinery and parts .....	—	1,339,997	—	1,167,000
Cement mill machinery and parts .....	—	3,420,706	—	2,168,000
Chlorinators and chlorine control apparatus .....	1	1	1	1
Coal-cleaning and coal-pulverizing machinery and parts .....	—	436,134	—	462,000
Concrete-making machinery:				
Concrete mixers .....	3,908	604,366	3,821	1,387,000
Concrete block machines .....	120	26,689	134	39,000
Other concrete-making machinery and parts .....	—	440,904	—	443,000
Conveying and elevating machinery (except passenger and freight elevators) and parts .....	—	13,392,074	—	13,164,000
Cream separators .....	3,227	373,580	1,600	180,000
Dairy and creamery machinery and parts, except cream separators, but including milking-machines, churns, pasteurizers, etc. ....	—	3,792,620	—	3,721,000
Dish-washing machinery (except domestic) .....	—	1,013,534	—	1,127,000
Electric appliances, motor-driven, not elsewhere specified .....	—	9,889,000	—	11,320,000
Elevators, freight and passenger, and parts .....	—	13,631,607	—	12,571,000
Engines (except automobile and aircraft):				
Steam, including steam turbines .....	—	906,740	—	394,000
Gasoline (except automobile):				
Marine type, including outboard .....	3	3	3	3
Other types (including industrial gas engines) .....	56,349	10,561,278	71,457	12,598,000
Diesel .....	114	5,093,699	166	4,885,000
Engine parts .....	—	2,831,816	—	3,912,000
Fire-fighting equipment (except hand extinguishers) .....	—	3,042,946	—	2,476,000
Floor polishers, electric, (domestic and industrial) .....	130,239	4,595,004	190,065	6,130,000
Flour mill and grist machinery and parts .....	—	496,398	—	528,000
Generators and parts, electric, A.C. and D.C. ....	—	14,366,087	—	9,278,000
Grain elevator machinery and parts .....	—	1,380,855	—	1,452,000
Hoisting machinery and parts, including chain blocks, monorail electric hoists, overhead cranes, etc., but excluding mine hoists .....	—	11,597,924	—	9,231,000
Household machinery:				
Washing machines:				
Electric:				
Automatic .....	27,629	5,448,977	36,911	7,046,000
Conventional (including apartment size) .....	192,198	18,780,608	237,056	22,553,000
Gasoline .....	6,411	712,684	5,304	609,000
Ironers (operated by own motor) .....	6,020	530,035	4,374	415,000
Dryers, clothes, automatic electric .....	20,775	3,017,964	38,017	5,191,000
Refrigerators, household mechanical, complete units, (electric and gas), all sizes .....	229,964	44,037,931	271,582	49,558,000
Compressors and condensing units, domestic, for assembly in individual household cabinets .....	28,265	2,208,793	23,825	1,631,000

1. See total at end of table.

3. Included with "Other types (including industrial gas engines)".

6. Aircraft and automobile engines are not included in this compilation.

TABLE 6. Factory Shipments<sup>6</sup> of Industrial, Household and Business Machinery,  
1954 and 1955 — Continued  
(Data assembled from all industries)

Item	1954		1955	
	Number	Value of factory shipments <sup>6</sup>	Number	Value of factory shipments <sup>6</sup>
		\$		\$
Household machinery — concluded:				
Vacuum cleaners, electric:				
Floor models .....	22,801	1,523,306	19,795	1,341,000
Cylinder models .....	88,381	4,752,451	125,711	6,832,000
Hand models .....	5,435	119,772	—	1,008,000
Attachments and parts .....	—	967,785	—	—
Other household machinery (including sewing-machines) and parts .....	—	16,573,262	—	20,924,000
Laundry, cleaning and pressing machinery and parts .....	—	2,526,804	—	1,932,000
Lawn mowers:				
Hand .....	18,516	235,097	25,336	280,000
Power .....	61,987	3,099,946	78,007	3,849,000
Leather-working machinery and parts .....	—	927,679	—	1,008,000
Logging machinery and parts .....	—	1,372,381	—	1,956,000
Metal-working machinery (machine tools):				
Boring machines .....	2	2	2	2
Drilling machines .....	745	756,884	873	560,000
Grinding machines .....	—	186,968	—	98,000
Lathes .....	275	1,308,954	196	915,000
Milling machines .....	2	2	2	2
Threading machines .....	2	2	2	2
Planers .....	2	2	2	2
Presses (forming, stamping, etc.) .....	—	1,887,488	—	1,337,000
Shapers .....	2	2	2	2
Shearing machines .....	158	188,841	148	136,000
Rolls, bending and straightening .....	2	2	2	2
Other machine tools .....	—	2,449,742	—	1,992,000
Machine tool parts and accessories .....	—	2,022,932	—	1,653,000
Metal-working machinery (except machine tools) .....	—	211,483	—	92,000
Mining and metallurgical machinery:				
Agitators .....	512	685,421	—	153,000
Ball and rod mills .....	35	1,041,729	21	816,000
Classifiers .....	8	169,797	13	118,000
Diamond drills .....	—	460,837	—	948,000
Filters .....	—	730,703	—	708,000
Flotation machines .....	—	95,000	—	60,000
Hoists .....	—	2,181,636	—	1,966,000
Mine cars .....	883	890,852	901	590,000
Skips and cages .....	—	394,877	—	384,000
Thickeners .....	26	97,664	42	164,000
Other mining and metallurgical machinery .....	—	5,279,145	—	6,360,000
Parts for mining machinery (including rock drill bits) .....	—	13,229,549	—	16,886,000
Motors, electric, and parts .....	—	39,860,515	—	40,394,000
Motor-generator sets .....	213	1,744,638	268	1,644,000
Office, business and store machinery:				
Adding machines .....	14,311	2,147,379	19,057	2,868,000
Scales:				
For stores, homes and offices:				
For retail use .....	5,510	678,001		
For domestic use .....	16,158	69,626	31,650	726,000
Industrial:				
Bench or portable type .....	3,747	645,347	7,318	1,353,000
Built-in or pit type .....	768	961,210	565	558,000
Typewriters:				
Standard, including long carriage <sup>5</sup> .....	34,151	4,890,702	35,005	5,366,000
Portable .....	46,001	2,377,637	30,963	1,764,000
Electric .....		See "Standard"		See "Standard"
Other, including accounting machines, cash registers, time recorders, meat slicers, bread slicers, calculating-machines, etc., and parts .....	—	23,929,892	—	26,047,000

<sup>1</sup>. See total at end of table.<sup>2</sup>. Included with "other machine tools" to avoid disclosing figures for individual companies.<sup>3</sup>. Includes electric type.<sup>4</sup>. Aircraft and automobile engines are not included in this compilation.

**TABLE 6. Factory Shipments<sup>6</sup> of Industrial, Household and Business Machinery,  
1954 and 1955 — Continued**  
(Data assembled from all industries)

Item	1954		1955	
	Number	Value of factory shipments <sup>6</sup>	Number	Value of factory shipments <sup>6</sup>
Oil burners:		\$		\$
Power type:				
For house heating .....	114,380	11,244,958	125,639	11,283,000
Commercial and industrial .....	969	432,190	1,070	726,000
Oil burner parts .....	—	1,973,331	—	2,119,000
Plastics machinery and parts .....	—	114,967	—	32,000
Printing-machinery and parts .....	—	513,764	—	413,000
Pulp-making and paper-making machinery and parts .....	—	16,248,022	—	17,083,000
Pumps:				
Centrifugal .....	—	7,253,325	—	6,647,000
Cistern and pitcher .....	23,369	144,800	14,837	108,000
Deep well .....	1,407	36,817	423	117,000
Rotary .....	—	903,509	—	951,000
Sump .....	24,784	1,128,475	33,622	1,242,000
Vacuum .....	—	538,710	—	365,000
Direct-acting steam piston and electric .....	2,340	1,503,004	2,560	1,509,000
Other power pumps .....	—	3,251,728	—	1,563,000
Self-contained household water system:				
Deep well (except jets) .....	—	See below		
Shallow well (except jets) .....	—	See below		
Jet type .....				
Deep well — Jet type .....	3,739	438,650	4,539	514,000
Non-jet type .....	1,173	298,268	883	199,000
Shallow well — Jet type .....	3,637	280,617	6,698	573,000
Non-jet type .....	34,984	3,408,720	42,726	3,670,000
Pump jacks .....	3,053	86,281	2,721	94,000
Hand pumps .....	25,868	255,123	33,063	276,000
Pump parts, including repair parts .....	—	2,463,419	—	3,073,000
Gasoline-dispensing pumps .....	—	3,205,198	10,031	4,504,000
Refrigerating and ice-making machinery and equipment (except household refrigerators and condensing units) .....	—	21,380,000	—	24,907,000
Road-making machinery:				
Angle dozers .....	316	608,579	673	1,351,000
Graders .....	185	2,044,258	212	2,636,000
Rollers .....	6	53,828	10	57,000
Scrapers .....	18	213,656	32	86,000
Snow ploughs .....	650	539,032	—	494,000
Other road-making machinery .....	—	1,686,344	—	2,071,000
Parts for road-making machinery .....	—	1,428,695	—	1,532,000
Rolling mill machinery and parts .....	—	2,226,542	—	913,000
Rubber mill machinery and parts .....	—	1,133,354	—	1,416,000
Sawmill machinery and parts .....	—	2,907,300	—	3,526,000
Saws, power-chain .....	14,721	2,459,857	—	8,643,000
Saws, power-chain parts .....	—	1,937,021	—	
Service station and garage machinery (except pumps):				
Auto lifts .....	1,912	913,348	2,322	1,220,000
Other service station equipment .....	—	601,955	—	675,000
Ships' machinery and fittings .....	—	7,400,796	—	10,154,000
Shovels, power .....	1	1	1	1
Stone-working machinery and parts .....	—	180,168	—	112,000
Stokers, mechanical:				
Domestic or residential .....	809	200,528	791	210,000
Commercial and industrial .....	536	885,030	445	717,000
Stoker parts, including repair parts .....	—	364,443	—	916,000
Textile machinery and parts .....	—	409,513	—	380,000
Transmission machinery, including brackets, hangers, shafting and other parts (including ball and roller bearings) .....	—	15,765,671	—	19,625,000
Vending machines, automatic .....	—	96,122	—	183,000
Ventilating, exhaust and dust-collecting equipment:				
Blowers, complete with equipment .....	—	7,898,975	—	7,749,000
Fans, complete with equipment .....	—	—	—	
Other equipment .....	—	—	—	
Vulcanizers .....	1	1	1	1
Water-wheels and turbines .....	—	15,535,709	—	12,608,000
Water softeners, domestic .....	1	1	6,777	623,000
Welding machinery:				
Electric arc-welding equipment with controls .....	—	1,213,000	—	3,598,000
Other electric welding apparatus .....	—	1,637,000	—	

1. See total at end of table.

6. Aircraft and automobile engines are not included in this compilation.

TABLE 6. Factory Shipments<sup>6</sup> of Industrial, Household and Business Machinery,  
1954 and 1955 - Concluded  
(Data assembled from all industries)

Item	1954		1955	
	Number	Value of factory shipments <sup>6</sup>	Number	Value of factory shipments <sup>6</sup>
Wood-working machinery (including hobby tools):		\$		\$
Band-sawing machines .....	1,091	164,334	1,450	262,000
Boring machines .....	-	19,077	592	24,000
Lathes .....	1,803	63,542	1,524	56,000
Matchers and planers .....	1,068	493,362	109	447,000
Moulders .....	28	145,576	21	132,000
Rip and cross-cut saws .....	16,204	805,062	21,278	974,000
Sanders .....	1,817	110,340	3,003	100,000
Shapers and jointers .....	2,986	174,150	3,588	243,000
Surfacers .....	112	14,795	115	14,000
Tenoners and mortisers .....	134	77,084	110	111,000
Other wood-working machinery and parts .....	-	1,291,914	-	1,336,000
All other machinery and parts, not separately specified .....	-	16,538,000	-	23,109,000
Total of items reported by only one or two firms indicated by <sup>1</sup>	-	2,726,790	-	4,353,000
<b>Total machinery and parts .....</b>	<b>-</b>	<b>503,853,188</b>	<b>-</b>	<b>549,505,000</b>

1. See total at end of table.

6. Aircraft and automobile engines are not included in this compilation.

TABLE 7. Principal Statistics of the Machinery Industry in Canada, Classified According to Type of Ownership, 1954 and 1955

Type	Establishments	Employees	Earnings	Cost at plant of materials used		Selling value of factory shipments
				No.	\$	
1954						
Individual ownership .....	40	389	980,184	1,225,541	2,675,037	
Partnerships .....	20	205	596,747	990,666	2,159,315	
Incorporated companies .....	338	32,257	112,662,071	128,929,694	337,376,385	
Co-operatives .....	1					
<b>Total .....</b>	<b>399</b>	<b>32,851</b>	<b>114,239,002</b>	<b>131,145,901</b>	<b>342,210,737</b>	
1955						
Individual ownership .....	45	325	911,662	963,385	2,374,476	
Partnerships .....	17	162	532,117	820,049	1,649,431	
Incorporated companies .....	346	32,821	117,787,313	151,192,112	364,400,527	
<b>Total .....</b>	<b>408</b>	<b>33,308</b>	<b>119,231,092</b>	<b>152,975,546</b>	<b>368,424,434</b>	

**TABLE 8. Principal Statistics of the Machinery Industry in Canada, Grouped According to size of Establishment, 1954 and 1955**

Establishments reporting factory shipments		Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
		No.	No.	\$	\$	\$
<b>1954</b>						
Under \$10,000		20	32	55,950	36,029	98,797
\$10,000 to \$24,999		33	125	291,626	192,637	586,922
\$25,000 to \$49,999		45	283	739,048	520,855	1,596,483
\$50,000 to \$99,999		44	499	1,454,979	1,024,512	3,220,091
\$100,000 to \$199,999		59	1,127	3,434,217	3,606,415	8,738,485
\$200,000 to \$499,999		62	2,277	7,516,172	6,971,486	19,118,326
\$500,000 to \$999,999		46	3,488	11,634,070	13,978,602	32,625,723
\$1,000,000 to \$4,999,999		81	15,514	54,369,508	64,104,501	161,898,658
\$5,000,000 and over		9	9,092	32,992,812	40,710,864	114,327,252
Head offices		—	414	1,750,620	—	—
<b>Total</b>		<b>399</b>	<b>32,851</b>	<b>114,239,002</b>	<b>131,145,901</b>	<b>342,210,737</b>
<b>1955</b>						
Under \$10,000		20	31	51,664	27,775	88,733
\$10,000 to \$24,999		29	102	234,495	169,797	505,087
\$25,000 to \$49,999		46	316	815,144	622,260	1,643,456
\$50,000 to \$99,999		45	473	1,495,244	1,274,273	3,260,783
\$100,000 to \$199,999		65	1,176	3,853,918	3,880,216	9,522,074
\$200,000 to \$499,999		61	2,220	7,544,994	7,628,297	19,003,760
\$500,000 to \$999,999		53	3,627	12,911,961	16,366,396	38,158,197
\$1,000,000 to \$4,999,999		78	15,187	53,674,482	71,534,264	164,336,783
\$5,000,000 and over		11	9,762	36,732,843	51,472,268	131,905,561
Head offices		—	414	1,916,347	—	—
<b>Total</b>		<b>408</b>	<b>33,308</b>	<b>119,231,092</b>	<b>152,975,546</b>	<b>368,424,434</b>

**TABLE 9. Employees and Earnings in the Machinery Industry, by Provinces, 1954 and 1955**

Province	Number of employees				Earnings			
	Supervisory and office		Production and related workers		Total employees	Supervisory and office	Production and related workers	
	Male	Female	Male	Female				
<b>1954</b>								
Newfoundland and New Brunswick	44	11	237	4	296	262,723	709,678	972,401
Nova Scotia	20	9	120	24	173	93,307	247,001	340,308
Quebec	2,216	834	6,977	421	10,448	11,742,473	22,589,619	34,332,092
Ontario	3,979	1,650	13,212	838	19,679	23,720,286	47,022,631	70,742,917
Manitoba	76	22	257	1	356	399,836	767,606	1,167,442
Saskatchewan	16	6	111	—	133	113,064	310,321	423,385
Alberta	48	12	214	2	276	252,100	695,641	947,741
British Columbia	254	98	1,102	36	1,490	1,541,217	3,771,499	5,312,716
<b>Canada</b>	<b>6,653</b>	<b>2,642</b>	<b>22,230</b>	<b>1,326</b>	<b>32,851</b>	<b>38,125,006</b>	<b>76,113,996</b>	<b>114,239,002</b>
<b>1955</b>								
Newfoundland and New Brunswick	38	13	133	—	184	239,443	426,336	665,779
Nova Scotia	7	6	76	—	89	63,458	159,916	223,374
Quebec	2,417	926	6,935	448	10,726	13,064,264	22,770,383	35,834,647
Ontario	4,117	1,692	13,025	943	19,777	24,763,114	48,382,373	73,145,487
Manitoba	99	34	261	1	395	454,615	811,689	1,266,304
Saskatchewan	19	9	109	—	137	131,770	318,107	449,877
Alberta	41	15	211	2	269	247,970	690,799	938,769
British Columbia	281	119	1,252	79	1,731	1,857,021	4,849,834	6,706,855
<b>Canada</b>	<b>7,019</b>	<b>2,814</b>	<b>22,002</b>	<b>1,473</b>	<b>33,308</b>	<b>40,821,655</b>	<b>78,409,437</b>	<b>119,231,092</b>

TABLE 10. Production Workers, by Months, 1954 and 1955

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
Number						
January .....	22,674	1,334	24,058	21,120	1,374	22,494
February .....	22,614	1,396	24,010	21,184	1,406	22,590
March .....	22,789	1,402	24,191	21,268	1,436	22,704
April .....	22,346	1,393	23,739	21,416	1,442	22,858
May .....	22,276	1,387	23,663	21,631	1,447	23,078
June .....	22,262	1,362	23,624	21,950	1,457	23,407
July .....	22,144	1,273	23,417	21,888	1,460	23,348
August .....	22,093	1,283	23,376	22,445	1,483	23,928
September .....	21,974	1,267	23,241	22,717	1,503	24,220
October .....	21,797	1,280	23,077	22,924	1,561	24,485
November .....	21,565	1,258	22,823	22,770	1,570	24,340
December .....	21,415	1,221	22,636	22,666	1,561	24,227
Average .....	22,230	1,326	23,556	22,002	1,473	23,475

TABLE 11. Capital and Repair Expenditures in the Machinery Industry, 1951-1955

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1951 .....	4,510	6,547	11,057	1,573	4,542	6,120	17,177
1952 .....	9,326	11,292	20,618	2,130	4,896	7,026	27,644
1953 .....	8,090	9,635	17,725	1,921	5,291	7,212	24,937
1954 .....	4,164	9,731	13,895	1,720	4,544	6,284	20,159
1955 <sup>1</sup> .....	3,737	8,500	12,237	1,674	3,895	5,569	17,806

1. Preliminary

Directory of Firms Included in the Machinery Industry, 1955

Name of firm	Location of plant
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## (a) Household, Office and Store Machinery

## Quebec:

Alpha Sewing Machine Co. of Canada, Reg'd.	99 Van Horne, Montreal
Arrow Sewing Machine Co., Ltd.	754 Wellington, Montreal
Associated Clock Industries, Limited	298 Charon St., Montreal
Auto Knitters & Hosiery Ltd.	3826 Masson St., Montreal
Automatic Dispensers Mfg. Ltd.	7501 Byron St., Ville St. Michel, 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.	207 Montcalm St., Hull
Fabien, C.P., Ltd.	2471 St. Cunegonde St., Montreal
Fenton Needlecraft Machines Ltd.	2530 Wurtele St., Montreal
Jauvin, Jos.	5, rue Lee, Québec
Linde Canadian Refrigeration Co. Ltd.	5031 Cote de Liesse Road Montreal
Lite, A.R., Mfg. Co.	2635 Aird Ave., Montreal

## Directory of Firms Included in the Machinery Industry, 1955 - Continued

Name of firm	Location of plant
(a) Household, Office and Store Machinery - Concluded	
<b>Quebec - concluded:</b>	
Necchi Sewing Machines (Canada) Ltd.	3445 Park Ave., Montreal
New Williams Mfg. Co. Ltd., The	2740-50 Notre Dame St. E., Montreal
Pantex Manufacturing (Canada) Ltd.	3556 St. Lawrence Blvd., Montreal
Polarmat Ltd.	3055 Verdun Ave., Montreal
Royal Typewriter Company, Limited	7035 Park Ave., Montreal
Shefford Furniture Ltd.	West Shefford
Singer Mfg. Co.	165 St. Paul St., St. Johns
Stella Sewing Machine Co.	8362 Rue St-Hubert, Montreal
Super Industries Co. Reg'd.	252 Mozart St. E., Montreal
Verdun Machine Shop Reg'd.	580 Rothsay St., St. Lambert, Chambly Co.
<b>Ontario:</b>	
Atlantic Service Company, Limited	135 Logan Ave., Toronto
Beatty Bros. Limited	Hill St., Fergus
Better Packages of Canada, Limited	250 Adelaide St. W., Toronto
Bissell Carpet Sweeper Co. of Canada Ltd.	Drummond Rd., Niagara Falls
Blakeslee, G.S., & Company, Limited	18 Cranfield Rd., Toronto
Brantford Refrigerator, Limited	80 King St. W., Toronto
Brantford Washing Machines, Limited	14 Grey St., Brantford
Burroughs Machines, Limited	804 McDougall St., Windsor
Canada Vulcanizer & Equipment Co. Ltd.	York St., London
Canadian Business Machines Ltd.	5495 Dundas St. W., Toronto
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
Coulter, J., Co. of Toronto Limited	45 Thora Ave., Scarborough
Ditto of Canada, Ltd.	32 Mendota Rd., Toronto
Easy Washing Machine Company, Limited	Miranda & Schell Aves., Toronto 10
Fairgrieve & Son Limited	44 Dovercourt Road, Toronto
Frozenaire Cooler Company	Glenridge Ave., St. Catharines
Gurney Scale Company, Limited	6 Colborne St., Hamilton
Hobart Manufacturing Company, Limited	175 George St., Toronto
Hobart Manufacturing Company, Limited	Bay Shore Rd., Owen Sound
Hussmann Refrigerator Co. Ltd.	Frank St., Brantford
Ideal Vendor Co., of Canada, Ltd.	Main St., Deseronto
International Business Machines Company, Limited	Don Mills Road, Toronto
Maxwells Limited	73 Park St., St. Marys
McCaskey Systems, Limited	Beverly St., Galt
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
Opal Manufacturing Co. Ltd.	526 Bay St., Toronto
Perrin-Turner Limited	34 Mendota Rd., Toronto
Pitney-Bowes of Canada, Ltd.	1156 Bay St., Toronto
Provincial Butchers Machinery Co. Limited	393A Arlington Ave., Toronto 10
Refrigeration Enterprises	Omemee
Remington Rand, Limited	301 Sherman Ave. N., Hamilton
Scale, E.W., Co. Ltd.	#5 Six Points Rd., Islington (Toronto 18)
Simplicity Products Limited	Guelph St., Hespeler
Smith - Corona Canada, Ltd.	30 Bertrand Ave., Toronto
Stathmos Scale Mfg. Ltd.	417 Birchmount Rd., Toronto
Steamarvel Co.	129 Spadina Ave., Toronto
Thor-Canadian Company, Limited	75 Brown's Line, Toronto
Toledo Scale Co. of Canada, Ltd.	2462 Howard Ave., Windsor
Underwood Manufacturing Company, Limited	375 Madison Ave., Toronto
White Mop Wringer Co. of Canada	Paris
<b>Manitoba:</b>	
Bell Refrigerator Co. Ltd.	1654 Portage Ave., St. James
Maytag Company, Ltd.	845 Marion St., St. Boniface
<b>Saskatchewan:</b>	
Ennis & Sons	1335 Wallace St., Regina
<b>British Columbia:</b>	
Gair, Alex	955 East Hastings St., Vancouver
P.B.O. Milk Cooler Co.	136 E. Cordova St., Vancouver

## Directory of Firms Included in the Machinery Industry, 1955 — Continued

Name of firm	Location of plant
<b>(b) Machine Tools</b>	
<b>Ontario:</b>	
Bertram, John, & Sons Company, Limited .....	15 Hatt St., Dundas
Blow Press Limited .....	Acton
Brown Boggs Foundry & Machine Company, Limited .....	37 Victoria Ave. N., Hamilton
Canada Machinery Corporation, Limited .....	19 Concession St., Galt
Ford-Smith Machine Company, Limited .....	925 Barton St. E., Hamilton
McDougall, R., Company, Limited .....	50 Chapman St., Galt
Peerless Machine & Tool Company, Limited .....	47-59 Duke St., Guelph
Standard Modern Tool Co. Ltd. ....	69 Montcalm Ave., Toronto
Rite Tool Company Ltd. ....	1650 Langlois Ave., Windsor
Whitehall, Harry W., Limited .....	80 Queen St., Hespeler
<b>(c) Machinery, N.E.C.<sup>1</sup></b>	
<b>Newfoundland:</b>	
Barnes Marine Engines .....	St. John's
Canadian Machinery & Industry Construction Ltd. ....	P.O. Box 169, St. John's
<b>Nova Scotia:</b>	
Acadia Gas Engines, Limited .....	King St., Bridgewater
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>	
All Canada Engineering Co. Ltd. ....	960 Lafayette Ave., Montreal South
Alliance Electric Works Ltd. ....	145 Bates Rd., Montreal
American Air Filter of Canada Ltd. ....	7035 Grand Ave., Montreal
B.G. Manufacturing Ltd. ....	146 Bates Rd., Outremont
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
Cement Block & Machinery Supply Reg'd .....	227, rue Royal, Sorel
Comar Manufacturing Co. Reg'd. ....	2100 St. Clement Ave., Montreal
Côté, Eugene, Co. ....	Chateauguay Bassin
Côté Bros. & Burritt Ltd. ....	1280 Conde St., Montreal
Côté, Jos., Inc. ....	St. Ephrem
Crammond & Son, Limited .....	4865 Dagenais St., Montreal
Cusson Frères Ltée .....	5755 Hochelaga St., Montreal
Darling Brothers, Limited .....	140 Prince St., Montreal
Defricheurs Benjamin Enrg. ....	St. Benjamin, Dorchester
Desro Enrg. ....	2399 Royale Three Rivers
Dominion Engineering Works, Limited .....	First Ave., Lachine
Farr Company Manufacturing Ltd. ....	105 Port Royal St. W., Montreal
Forano Limited .....	St. Paul St., Plessisville
G.E. St. Pierre & Fils Ltée .....	St. Germain de Grantham
Gosselin, J.A., Co. Limited .....	301 iHerbet St., Drummondville
Hall Machinery of Canada Ltd. ....	124 Grandes Fourches St. S., Sherbrooke
Har-Pur Products Ltd. ....	46-14th St., Noranda
Hollinger Machine Co. Ltd. ....	9800 St. Urbain St., Montreal
Hunt & Moscrop Canada Ltd. ....	480 Ste. Cecile St., Granby
Hydraulic Machinery Co. Ltd. ....	1243 Dorion St., Montreal
Jackson, W.A., & Co. ....	2010 Cardinal St., Montreal
Jeffrey Mfg. Co. Limited .....	300 St. Patrick St., Ville La Salle
L'Air Liquide .....	111 Beaver Hall Hill, Montreal
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 Côté Fréchette, Lévis
Machinerie Etchemin Enrg. ....	23, rue Jacques-Cartier, St-Romuald

## Directory of Firms Included in the Machinery Industry, 1955 — Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. <sup>1</sup> — Continued	
<b>Quebec — concluded:</b>	
Messely & Fils Enrg.	495-21 <sup>ème</sup> ave, Québec
Montreal Gear Works Ltd.	3425 Montgomery St., Montreal
Montreal Shoe Machinery Company, Limited	535 Ontario St. E., Montreal
Moody, M., & Sons Ltd.	740 Inspector St., Montreal
Nagle Elevator Company, Reg'd.	1085 Chenneville St., Montreal
National Electric Refrigerator Ltd.	Montmagny
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	P.O. Box 903, Station O, Montreal
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	Randrill St., Sherbrooke
Southern Industries, Limited	Marleville
Technical Accessories Limited	5595 Fulum St., Montreal
Thibault, Pierre	Pierreville
United Shoe Machinery Company of Canada, Limited	2610 Bennett Ave., Montreal
Vessot, S., & Cie, Limitée	603 Querbes Blvd., Joliette
Victory Tool & Machine Company, Ltd.	250 Rose de Lima, Montreal
Wilson Machine Company, Limited	161 Nazareth St., Montreal
<b>Ontario:</b>	
Adams, J.D., Limited	Adams Ave. and Spruce St., Paris
Albany Pump Company	840 King St., Toronto
American Can Company	Lewis Ave., Niagara Falls
American Marsh Pumps (Canada) Ltd.	Stratford
A.P.V. Canada Equipment Ltd.	17 Cornwall St., Toronto
Anderson, J.W. Co. Ltd.	347 Hatt St., Dundas
Ardelt Industries of Canada Ltd.	Henry Sturm Blvd., Kitchener
Armstrong, S.A., Limited	1400 O'Connor Drive, Toronto
Ashton Press Mfg. Co. Ltd.	60 Beech St., Ottawa
Atlas Engineering and Machine Company Limited	16 Eastern Ave., Toronto
Austin, A., Industries, Limited	51 Kipling Ave. S., Toronto
Baer Elevator Supplies Limited	50 Pearl St., Toronto
Barber, C., & Sons	Bayfield St., Meaford
Barber-Greene Canada, Limited	P.O. Box 40, Station J, Toronto
Bata Engineering Div. of Bata Shoe Co. of Canada, Ltd.	Batawa
Bawden Industries, Limited	163 Sterling Road, Toronto
Beatty Machine & Tool Works	103 Crockford Blvd., Scarborough
Bettger Industries Ltd.	649 Ontario St., Stratford
B.L.M. Automatic Clutch Corp. of Canada, Ltd.	165 Spadina Ave., Toronto
B.L. Metal Products	139 King St. S., Waterloo
Bowser, S.F., Company, Limited	344 Sherman Ave. N., Hamilton
Brantford Oven and Rack Company, Limited	Brock & Campbell Sts., Brantford
Brigden Manufacturing Co.	Hornby
Brunner Corporation (Canada) Limited	Peter St., Port Hope
Buckman Saw Grinder Mfg. Co.	Fort Erie
Burnside, Harry	442 King St. W., Toronto
Byron Jackson of Canada Ltd.	P.O. Box 180, Station "H", Toronto
Campbell & Perrin Machinery Ltd.	399 Breithaupt St., Kitchener
Canadian Blower & Forge Co. Ltd.	Woodside Ave., Kitchener
Canadian Industrial Engineering	7 Raleigh Ave., Toronto
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., Galt
Canadian Pneumatic Tool Co. Ltd.	198 Evans Ave., Toronto
Canadian Sirocco Company, Limited	310 East Ellis St., Windsor
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.R., Engine Co. Ltd.	2462 Dufferin St., Toronto
C.L.C. Machinery Company	196 Grant Ave., Hamilton
Climax Baler Company, Limited	43-53 Burton St., Hamilton
Cober Elevator Manufacturing Company	137 Roncesvalles Ave., Toronto
Colville Industries Ltd.	337 Richmond St., Chatham

## Directory of Firms Included in the Machinery Industry, 1953 — Continued

Name of firm	Location of plant
<b>(c) Machinery, N.E.C.<sup>1</sup> — Continued</b>	
<b>Ontario — continued:</b>	
Cooke & Denison Limited .....	31 Yarmouth St., Guelph
Cooper-Chapman Ltd., .....	23 Sable St., Toronto
Cowan and Company of Galt Limited .....	70 N. Water St., Galt
Crane Carrier Canada Ltd., .....	8 Bermondsey, Toronto
Crown Controls Mfg., Ltd. ....	139 Dundas St., Kitchener
Dalby Machine Shop .....	45 Forsyth St. S., Oakville
Day Co. of Canada Ltd., The .....	P.O. Box 70 Fort William
Day Co. of Canada, Ltd., The .....	15 Brydon Drive, Toronto
Delamere & Williams Company, Limited .....	18-32 Hook Ave., Toronto 9
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
Dominion Auto-Drive, Limited .....	3500 Ontario St., Windsor
Dominion Road Machinery Company, Limited .....	Maitland Road, Goderich
Dominion Rubber Company, Limited .....	Elm St., Kitchener
Douglas Brown & Campbell, Limited .....	Melbourne
Dundas Foundry & Engineering Co. ....	31 Charles St., Hamilton
Elevator Specialty Co. Ltd. ....	39-41 Duchess St., Toronto
Epps Manufacturing Ltd., C.H. ....	Clinton
Excello Corporation of Canada Ltd. ....	120 Weston Rd., London
Factory Equipment, Ltd. ....	21 Jarvis St., Toronto
Fastcut Bits Limited .....	Box 90, Ferris
Fellows, J.A., and Company .....	27 Jarvis St., Brantford
Fenney, Thos. H., Machinery & Tools .....	635 Glebeholme Blvd., Toronto
Fischer Bearings Mfg. Ltd. ....	Ontario St., Stratford
Fisher & Ludlow, (Canada) Ltd. ....	Ajax
Fisher Gauge Works, Ltd. ....	194 Sophia St., Peterborough
Fleck, Alexander, Ltd. ....	416 Wellington St., Ottawa
Foreman Marine & Pump Ltd. ....	155 Kipling Ave. S., Toronto
Fraser, Kenneth S., Co. Ltd. (Industrial Truck Div.) .....	960 Eastern Ave., Toronto
Gardner-Denver Co. (Canada) Ltd. ....	Brantford
Gault Elevator Company, Limited .....	463 Church St., Toronto
Gilbert and Barker Manufacturing Company, Limited .....	68 Yonge St., Toronto
Glider Guard Manufacturing Co. Ltd. ....	1151 Tecumseh Rd. W., Windsor
Goodwin Chuck Company, Limited .....	260 Colborne St., Brantford
Greey, Wm. & J.G., Limited .....	100 Miranda Ave., Toronto
Halton Mfg. Co. Ltd. ....	Rockwood
Hamilton Gear and Machine Company Ltd. ....	950 Dupont St., Toronto
Hastings Machine Tools Ltd. ....	Deseronto
Heath and Sherwood Limited .....	6 Duncan Ave., Kirkland Lake
Hubbard Portable Oven Company of Canada, Limited .....	154 Duke St., Toronto
Involute Gear Co. ....	321 Howland Ave., Toronto
Jackson-Cochrane, Division Beisinger Industries Ltd. ....	16 Victoria St. N., Kitchener
Joy Manufacturing Company (Canada) Ltd. ....	175 Beverly St., Galt
Kennedy, William, & Sons Limited .....	1144-1st Ave. W., Owen Sound
Kermath (Canada) Limited .....	619 King St. W., Toronto
Kingsville Pump & Machine Co. Ltd. ....	Kingsville
Koehring Waterous Ltd. ....	South Market St., Brantford
La France Fire Engine and Foamite, Limited .....	195 Weston Road, Toronto
Lau Blower of Canada, Ltd. ....	150 Borden Ave. S., Kitchener
Leepo Machine Products Ltd. ....	69 Lauzon Road, Riverside
Leitch, Arthur S., Company, Limited .....	33 Torbarrie Rd., Weston
Link-Belt Ltd. ....	Box 173, Station "H", Toronto
Loach, S.W., & Son, Ltd. ....	980 Roselawn Ave., Toronto
London Concrete Machinery Company, Limited .....	Corner Cabell & Kitchener Ave., London
Long, E., Limited .....	West St. S., Orillia
Mahafy Iron Works Company, Ltd. ....	145 Kendal Ave., Toronto
Marsland Precision Equipment Ltd. ....	230 Regina St. N., Waterloo
Mathews Conveyer Company, Limited .....	South John St., Port Hope
McDonald, K.R., Knitting Machines .....	Georgetown
McGuire Industries Ltd. ....	Davis Drive E., Newmarket
McInnis, C.H., Company Limited .....	1857 Walker Road, Windsor
McKechnie, James A., Limited .....	61 Raleigh Ave., Toronto
McLachlan, John, Foundry .....	Laidlaw St. N., Cannington
Midland Foundry & Machine Co. Ltd. ....	223-225 Bay St. W., Midland
Morris, Herbert, Crane & Hoist Co., Limited .....	Stanley Ave., Niagara Falls
Morse Chain of Canada Ltd. ....	385 Second Ave., Simcoe
Nagy, Alex J., Co. ....	Cooksville
National Equipment Company, Limited .....	41-45 Wabash Ave., Toronto
New Ontario Machine Works, Limited .....	271-1st Ave., Timmins
Northern Crane & Hoist Works Limited .....	1428 Argyle Road, Windsor
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

## Directory of Firms Included in the Machinery Industry, 1955 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. <sup>1</sup> - Continued	
<b>Ontario - concluded:</b>	
Outboard Marine & Manufacturing Co. of Canada, Limited .....	Peterborough
Paasche Airbrush (Canada) Ltd. ....	864 Page Ave., Toronto
Paramount Gear Works Ltd. ....	1247 Lawrence Ave. W., Weston
Parkhill Machinery Co. Ltd. ....	Parkhill
Patterson Foundry & Machine Company (Canada) Ltd. ....	Danforth Road, Toronto
Pendrith Machinery Company, Limited .....	775 King St. W., Toronto
Perrin, Wm. R., Limited .....	530 King St. E., Toronto 2
Phin Sales Co. ....	26 Lipton Ave., Toronto
Pinder Bros. ....	20 Tonobee St., Willowdale
Plant, W.P., Estate .....	Bridge St., Hastings
Plewes - Jackson Engineering, Limited .....	58 Fraser Ave., Toronto
Pollard Manufacturing Company, Limited .....	564 Ferguson St., Niagara Falls
Power Lawn Mowers Ltd. ....	1161 King St., London
Precision Gear Canada Limited .....	123 Manville Road, Scarborough
Premier Engineering .....	86 Tycos Drive, Toronto
Preston Woodworking Machinery Company, Limited .....	Preston
Price Machine Products .....	Norfolk St. W., Simcoe
Process Equipment Mfrs. Ltd. ....	25 Hale St., London
Provincial Engineering Limited .....	674 Ferguson St., Niagara Falls
Pumps & Softeners, Limited .....	680 Waterloo St., London
Reliance Tool & Die Castings Ltd. ....	217 Henry St., Brantford
Richardson, C., and Company, Limited .....	St. Marys
Richmond Industrial Equipment, Limited .....	441 Adelaide St. W., Toronto
Rightmayer Machine Co. ....	22 Fullerton Ave., Hamilton
Roberts, F.W., Manufacturing Company of Canada, Limited .....	473 Buttrey St., Niagara Falls
Roberts, William, Ltd. ....	120 Lombard St., Toronto
Rock Drill Rod Co., Ltd. ....	25 Edgar Ave., Weston
Rockwell Mfg. of Canada Ltd. ....	100 Crimea St., Guelph
Roelefson Elevator Company, Limited .....	5001 Dundas St. W., Toronto
Sandy Road Equipment Limited .....	Victoria St., Goderich
Scott Enterprises .....	# 11 Highway N., North Bay
Shaw Francis (Canada) Ltd. ....	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
Smith and Travers Company, Limited .....	208 Walnut St., Sudbury
Speciality Mfg. & Distributing Co., Ltd. ....	888 Dupont St., Toronto
Sta-Rite Pumps, (Canada) Ltd. ....	Fairall St., Ajax
St. Lawrence Engine Company, Limited .....	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
Surtevant Company of Canada Ltd., B.F. ....	Middleton St., Galt
Super Oil Seal Mfg. Co. Limited .....	508 Wellington St. N., Hamilton
Textile Services Ltd. ....	17 Brock St., Woodstock
Timberland Machines Limited .....	Young St., Woodstock
Timken Roller Bearing Co. ....	1055 Talbot St., St. Thomas
Toronto Engine Works, Limited .....	2 Laird Drive, Leaside, Toronto
Toronto Textile Machinery Limited .....	485 Wellington St. W., Toronto
Torrington Mfg. Co. of Canada Ltd. ....	Morden Road, Oakville
Turnbull Elevator Company, Limited .....	126 John St., Toronto
Universal Logloaders Ltd. ....	296 Kendall Ave., Eastview
United Steel Corporation, Limited .....	58 Pelham Ave., Toronto
Viceroy Manufacturing Co., Ltd. ....	317 King St., Welland
Viking Pump Company of Canada, Limited .....	1655 Dupont St., Toronto
Vokes (Canada) Ltd. ....	661 Grove Ave., Windsor
Wallace & Tiernan Limited .....	3801 Dundas St. W., Toronto
Water Softening Equipment Ltd. ....	Box 54, Scarborough
Watson, John, Mfg. Co. Ltd. ....	Scarborough
Wayne Pump Company .....	Ayr
Webb, Jervis B., Co. of Canada Ltd. ....	829 Richmond St. W., Toronto
Webster Air Equipment Co. Limited .....	715 Beach Rd., Hamilton
Wellman, S.K., Co. of Canada Ltd. ....	1161 King St., London
Westco Pump & Engineering, Limited .....	208 Bartley Drive, O'Connor Drive, Toronto
Williams Machines, Limited .....	7 Stewart St., Toronto
Williams Tool Corp. of Canada Ltd. ....	311 Montrose St., Preston
Wood, John, Co. Ltd. ....	Brantford
Yates P.B., Machine Company, Limited .....	101 Hanson St., Toronto
	Cathcart & Robert Sts., Hamilton
<b>Manitoba:</b>	
Alpha Manufacturing Company, Limited .....	Notre Dame & Midland, Winnipeg
Dauphin Products Ltd. ....	Second Ave. N.E., Dauphin

## Directory of Firms Included in the Machinery Industry, 1955 — Concluded

Name of firm	Location of plant
<b>(c) Machinery, N.E.C.<sup>1</sup> — Concluded</b>	
<b>Manitoba — concluded:</b>	
Hedley, Percy E., & Sons .....	Hamiota
Kipp - Kelly, Limited .....	68 Higgins Ave., Winnipeg
Krushel, L., & Sons .....	Morden
Made-Well Mfg., Co. ....	Sifton
Manitoba Gear Specialities .....	205 Osbourne, Winnipeg
Midwest Mining Supplies Ltd. ....	477 Henry Ave., Winnipeg
Monarch Machinery Co. Ltd. ....	889 Erin St., Winnipeg
Oshkosh Filter & Softener Co. (Canada) Ltd. ....	Brandon
Pydee Engineering Co. Ltd. ....	1018 Sherbrook St., Winnipeg
Roberts, William, Ltd. ....	120 Lombard St., Winnipeg
Sprocket Service & Supply, Limited .....	1061 Notre Dame Ave., Winnipeg
Strong - Scott Limited .....	772 - 782 Dufferin Ave., Winnipeg
<b>Saskatchewan:</b>	
Canadian Well Supply Company Ltd. ....	Cor. Atkinson & Dewdney, Regina
Gregg's Machinery Exchange .....	876 Albert St., Regina
Leach, J.R. & Son Limited .....	154 - 8th St., E., Prince Albert
Regal Softener Equipment .....	1750 Broad St., Regina
Richardson Road Machinery Company Limited .....	112 Ave. 1 South, Saskatoon
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 .....	6311 - 104th St., Edmonton
Riverside Iron & Engineering Works Ltd. ....	803 - 24th Ave. S.E., Calgary
<b>British Columbia:</b>	
Allard Engineering, Limited .....	1031 Quebec St., New Westminster
Anderson Blowpipe & Mfg. Co. Ltd. ....	360 West 1st Ave., Vancouver
Alpha Engineering & Mfg. Ltd. ....	60 Braid St., New Westminster
Boyles Bros. Drilling Company, Limited .....	1291 Parket 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 1st St. N., Vancouver
Easthope Bros., Limited .....	1747 W. Georgia St., Vancouver
Equipment Sales & Rentals .....	603 Powell St., Vancouver
Gearmatic Co. Ltd. ....	636 W. 6th Ave., Vancouver
Hamadan Engineering Co. ....	2257 W. Broadway, Vancouver
Hamilton, G.J., Limited .....	910 Beach Ave., Vancouver
Industrial Engineering, Limited .....	503 East Pender St., Vancouver
Jordans Machine Works, Ltd. ....	4142 Kingsway, S. Burnaby
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
Marathon Machinery Co. ....	1840 Hawthorne St., Burnaby
New Westminster Marine Sales & Service Ltd. ....	301 - 12th St., New Westminster
Nicholson Murdie Machines Ltd. ....	327 Harbour Rd., Victoria
Nicholson Supplies & Equipment Ltd. ....	666 Alexander St., Vancouver
Opsal Steel Limited .....	97 East 2nd Ave., Vancouver
Pacific Forge Welding & Machine Works Co. Ltd. ....	(Rear) 953 Main St., Vancouver
Palmia Equipment Ltd. ....	9084 - 128th St., North Surrey
Paragon Engine Co. ....	1869 W. Georgia St., Vancouver
Paragon Equipment Manufacturing Company, Limited .....	885 Cordova St., Vancouver
Power Machinery Limited .....	3470 Commercial Dr., 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 Gear Works Ltd. ....	1430 Burrard St., Vancouver
Vancouver Mill Machinery .....	937 Main St., Vancouver
Velox Diesel & Machine Works, Ltd. ....	95 East Third Ave., Vancouver
Vivian Diesels & Munitions, Limited .....	1660 Station St., Vancouver
Wagner Engineering .....	1929 W. Georgia St., Vancouver
Wagstaff Hoist, Limited .....	2294 Clark Drive, Vancouver
Webb & Gifford, Limited .....	222 Front St., New Westminster
Westminster Iron Works Company, Limited .....	1135 Queen Ave., New Westminster
Wild Co. Ltd. ....	116 East 2nd Avenue, Vancouver
Willcock Manufacturing Co. Ltd. ....	22661 Trans-Canada Highway, Langley

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

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