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CANADA

THE MACHINERY INDUSTRY

1954

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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):
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

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

- A — General Review, 25¢
- B — The Agricultural Implements Industry, 25¢
- C — The Boilers and Plate Work Industry, 25¢
- D — The Bridge Building and Structural Steel Industry, 25¢
- E — The Hardware, Tools and Cutlery Industry, 25¢
- F — The Heating and Cooking Apparatus Industry, 25¢
- G — The Machinery Industry, 25¢
- H — The Machine Shops Industry, 25¢
- I — The Iron Castings Industry, 25¢
- J — The Primary Iron and Steel Industry, 25¢
- K — The Sheet Metal Products Industry, 25¢
- L — The Wire and Wire Goods Industry, 25¢
- M — The Miscellaneous Iron and Steel Products Industry, 25¢

THE MACHINERY INDUSTRY

1954

Factory shipments by firms in the Machinery Industry were valued at \$342,210,737 in 1954, a slight decline from the 1953 total of \$342,344,015. The 399 firms which reported in this group for 1954 were distributed across Canada as follows: 2 in Newfoundland; 5 in Nova Scotia; 2 in New Brunswick; 83 in Quebec; 241 in Ontario; 13 in Manitoba; 7 in Saskatchewan; 5 in Alberta and 41 in British Columbia. These plants gave employment to a total of 32,851 workers who were paid \$114,239,002 in salaries and wages. Materials worth \$131,145,901 were purchased for use in manufacturing processes and an additional \$3,733,448 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 1954 the total output of machinery from all industries was \$503,853,188 compared with \$532,889,458 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".

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, 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 figure for 1954.

**TABLE 1. Principal Statistics of the Machinery Industry, Significant Years 1929-1954,
and by Provinces, 1953 and 1954**

Year and province	Establishments	Em- ployees	Earnings	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	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
1950.....	375	29,913	78,133,522	2,984,170	98,609,867	154,349,111	255,943,148
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							
Newfoundland.....	2	208	662,943	42,647	607,012	1,305,922	1,955,581
New Brunswick.....	2						
Nova Scotia.....	5	194	392,988	34,307	647,003	607,284	1,288,594
Quebec.....	85	11,070	35,033,265	1,176,883	36,184,070	59,324,925	96,685,878
Ontario.....	240	20,382	69,838,234	1,973,518	85,284,407	135,252,036	222,509,961
Manitoba.....	14	387	1,221,968	41,672	1,161,984	2,046,645	3,250,301
Saskatchewan.....	8	145	428,020	22,755	604,197	634,733	1,261,685
Alberta.....	6	296	1,006,536	23,432	775,910	2,075,100	2,874,442
British Columbia.....	39	1,429	5,374,113	157,076	3,144,749	9,215,748	12,517,573
Canada.....	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						
Nova Scotia.....	5	173	340,308	20,096	179,251	583,187	784,584
Quebec.....	83	10,448	34,332,092	1,233,777	33,631,788	62,676,097	98,582,522
Ontario.....	241	19,679	70,742,917	2,150,438	89,882,066	130,318,027	220,367,876
Manitoba.....	13	356	1,167,442	42,220	1,029,397	1,935,338	2,957,061
Saskatchewan.....	7	133	423,385	23,470	659,838	634,028	1,300,065
Alberta.....	5	276	947,741	20,411	787,839	1,256,923	2,175,172
British Columbia.....	41	1,490	5,312,716	200,403	3,802,009	9,034,783	13,284,396
Canada.....	399	32,851	114,239,002	3,733,448	131,145,901	207,930,118	342,210,737

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-groups¹, 1953 and 1954

Year	Establishments	Em- ployees	Earnings	Cost of fuel and electricity at works	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
	No.	No.	\$	\$	\$	\$	\$
1953							
Household, office and store machinery.....	76	9,992	31,420,559	958,342	44,580,753	53,430,422	98,969,517
Machine tools.....	13	1,956	7,242,055	175,772	5,433,835	11,802,410	17,412,017
Machinery, n.e.c.	312	22,163	75,295,453	2,338,176	78,394,744	145,229,561	225,962,481
Total.....	401	34,111	113,958,067	3,472,290	128,409,332	210,462,393	342,344,015
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	147,189,756	233,670,284
Total.....	399	32,851	114,239,002	3,733,448	131,145,901	207,930,118	342,210,737

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

TABLE 3. Inventories¹, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
(a) By sub-groups				
Opening:				
Household, office and store machinery	17,060,782	8,023,806	11,506,498	36,591,086
Machine tools	1,182,325	2,266,397	752,678	4,201,400
Machinery, n.e.c.	22,703,633	23,162,874	18,887,337	64,753,844
Total	40,946,740	33,453,077	31,146,513	105,546,330
Closing:				
Household, office and store machinery	12,907,793	9,177,276	11,593,897	33,678,966
Machine tools	1,017,325	1,229,384	1,233,989	3,480,698
Machinery, n.e.c.	22,135,811	23,467,132	18,917,357	64,520,300
Total	36,060,929	33,873,792	31,745,243	101,679,964
(b) By provinces				
Opening:				
Newfoundland and New Brunswick	191,955	226,062	142,292	560,309
Nova Scotia	55,976	110,938	56,050	222,964
Quebec	9,325,621	9,780,220	10,299,000	29,404,841
Ontario	28,862,005	21,647,207	18,786,552	69,295,764
Manitoba	518,243	92,392	210,455	821,090
Saskatchewan	41,530	229,187	203,098	473,815
Alberta	172,268	50,737	156,028	379,033
British Columbia	1,779,142	1,316,334	1,293,038	4,388,514
Canada	40,946,740	33,453,077	31,146,513	105,546,330
Closing:				
Newfoundland and New Brunswick	154,380	147,272	91,317	392,964
Nova Scotia	52,595	116,841	54,000	223,436
Quebec	8,552,472	10,939,705	9,258,140	28,750,317
Ontario	25,255,669	21,116,484	20,769,207	67,141,360
Manitoba	429,282	115,141	260,349	804,772
Saskatchewan	33,020	129,910	220,369	383,299
Alberta	165,515	128,648	46,029	340,192
British Columbia	1,417,996	1,179,791	1,045,837	3,643,624
Canada	36,060,929	33,873,792	31,745,243	101,679,964

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

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

TABLE 4. Products Made by Firms Included in the Machinery Industry, 1953 and 1954

Item	Value of factory shipments	
	1953	1954
	\$	\$
Machinery:		
Air compressors	4,859,883	5,624,111
Air-conditioning equipment	1,346,773	1,249,171
Agricultural implements and parts	409,909	312,896
Bakers' machinery and parts	1,705,667	1,286,569
Blowers for domestic furnaces	321,715	397,283
Canning machinery and parts	1,659,916	1,337,721
Cement mill machinery and parts	321,226	3,365,286
Coal-pulverizing and coal-cleaning machinery and parts	92,933	308,225
Concrete-making machinery and parts	996,294	1,014,337
Conveying and elevating machinery and parts	13,419,970	12,876,379
Dairy and creamery machinery and parts	1,014,795	1,296,385
Elevators, freight and passenger, and parts	9,865,502	13,540,559
Engines, steam, Diesel, gas, and parts	14,383,074	16,004,493
Fire-fighting equipment	3,069,368	2,392,722
Flour and grist mill machinery and parts	397,595	496,398
Grain elevator machinery and parts	1,193,757	1,044,508
Hoisting machinery (except mine hoists) and parts	6,575,202	4,976,835
Household machinery and parts	36,566,549	33,065,064
Laundry, cleaning and pressing machinery and parts	2,891,703	2,503,552
Leather-working and shoe machinery and parts	1,691,175	927,679
Logging machinery and parts	1,105,186	945,890
Metal-working machinery and parts (machine tools)	12,390,209	8,093,043
Mining and metallurgical machinery and parts	13,934,938	16,649,718
Office, business and store machinery and parts	34,361,081	35,203,994
Plastics machinery and parts	46,306	114,967
Printing machinery and parts	279,339	464,164
Pulp mill and paper mill machinery and parts	15,700,711	14,063,985
Pumps and parts	18,033,419	19,202,327
Refrigeration and ice-making machinery	5,483,866	6,191,523
Road-making machinery and parts	4,173,197	4,687,206
Rubber mill machinery and parts	2,527,819	1,133,354
Sawmill machinery and parts	2,827,924	2,701,858
Service station and garage machinery (including pumps)	4,298,759	4,721,501
Ships' machinery and fittings, except winches	722,294	2,105,515
Stokers and parts	148,103	146,879
Textile machinery and parts	340,025	409,513
Transmission machinery and parts	16,482,782	14,396,923
Ventilating, exhaust and dust-collecting systems	6,628,123	7,533,564
Water-wheels and water turbines	10,106,505	9,104,807
Wood-working machinery and parts	3,519,913	3,116,662
All other machinery, including power shovels, glass-blowing machinery, rolling mill machinery, etc., and parts	27,860,494	24,639,584
Total machinery and parts	283,753,999	279,647,150
All other products	46,857,643	41,501,109
Amount received for repair and custom work	11,732,373	21,062,478
Total	342,344,015	342,210,737

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, 1953 and 1954

Material	Unit of measure	1953		1954	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Iron:					
Pig iron	ton	20,638	1,241,887	18,904	1,127,377
Steel:					
Bars	ton	24,075	3,742,146	28,533	4,725,407
Plates	"	15,593	2,068,059	15,396	2,040,428
Sheets:					
Black	"	18,030	2,550,637	15,125	2,205,308
Galvanized	"	3,618	589,315	3,809	623,910
Tin plate	"	141	27,005	344	56,974
Strip	"	1,690	348,977	1,366	270,065
Structural shapes	"	28,109	4,149,700	27,988	4,027,641
Wire	"	1,815	270,582	1,982	307,215
Stainless steel	"	—	1,063,751	—	1,300,432
Other alloy steel and tool steel, carbon and alloy, including high-speed	"	—	2,279,933	—	1,891,951
Scrap iron or steel	ton	24,428	932,736	21,380	854,715
Other iron or steel	"	—	11,623,206	—	11,933,306
Ferro-alloys	"	—	98,938	—	171,741
Non-ferrous metals, including scrap:					
Aluminum:					
Castings	pound	2,679,732	2,413,189	2,071,706	2,408,005
Sheet	"	1,507,961	574,708	752,391	305,042
Other forms	"	1,909,199	635,791	2,622,712	906,472
Brass and bronze	"	4,499,270	2,329,582	5,444,523	2,188,650
Copper—Sheet	"	639,544	349,313	618,522	333,560
Wire	"	458,819	222,328	696,803	330,638
Other forms	"	1,061,742	489,761	1,140,452	511,643
Lead	"	198,652	33,758	217,841	35,253
Nickel	"	173,627	137,537	234,973	152,050
Tin	"	19,768	21,523	22,053	22,190
Zinc	"	1,508,802	271,778	1,125,024	311,997
Babbitt metals and solders	"	376,748	221,527	350,430	188,395
Other non-ferrous metals	"	—	115,589	—	602,167
Other materials and supplies:					
Iron and steel pipe, tubes and fittings	"	—	1,438,692	—	1,316,595
Paints, oils and varnishes	"	—	1,085,255	—	827,846
Foundry coke (cupola)	ton	10,916	328,326	10,725	325,369
Moulding sands	"	11,257	85,822	12,973	102,141
Core sands	"	7,832	53,326	7,858	43,814
Silica sand	"	1,176	12,995	2,470	29,336
Other foundry sands	"	1,074	11,756	1,394	12,378
Plumbago	pound	100,717	14,565	126,074	14,347
Lumber	M ft. b.m.	13,786	1,596,140	13,383	1,460,535
Firebrick	number	154,075	32,258	220,257	38,527
Fire-clay	ton	792	17,634	770	19,075
Cupola blocks	number	21,096	7,458	16,656	6,911
Core oil	Imp. gal.	48,506	53,744	51,021	53,617
Shipping materials	"	—	1,374,303	—	1,607,109
All other materials	"	—	83,493,802	—	85,455,769
Total	"	—	128,409,332	—	131,145,901

TABLE 6. Factory Shipments⁶ of Industrial, Household and Business Machinery, 1953 and 1954
 (Data assembled from all industries)

Item	1953		1954	
	Number	Value of factory shipments ⁶	Number	Value of factory shipments ⁶
Air compressors:		\$		\$
Stationary type	—	4,777,530	—	4,971,411
Portable type	—	799,107	—	1,190,112
Air-conditioning equipment:				
Complete systems	182	274,204		see below
Room conditioners	5,314	1,121,772	2,047	453,470
Room air conditioners, window type	—	—		
Self-contained air conditioners, except window type — 2-5 h.p.			1,546	739,029
— over 5 h.p.			294	250,838
Air conditioners, central plant, domestic	—	1,397,232	—	1,907,134
All other air-conditioning equipment				
Bakers' machinery:				
Mixing machines	929	811,755	765	632,687
Ovens	169	442,810	110	354,863
Other bakers' machinery and parts	—	451,102	—	299,019
Baling machines	1	1	1	1
Blowers for domestic furnaces	32,878	814,416	60,127	1,192,187
Bottle washers	1	1	1	1
Bottling machinery and parts	—	306,666	—	147,920
Canning machinery and parts	—	1,666,371	—	1,339,997
Cement mill machinery and parts	—	321,226	—	3,420,706
Chlorinators and chlorine control apparatus	1	1	1	1
Coal-cleaning and coal-pulverizing machinery and parts	—	1,015,582	—	436,134
Concrete-making machinery:				
Concrete mixers	4,202	736,566	3,908	604,366
Concrete block machines	331	135,282	120	26,689
Other concrete-making machinery and parts	—	249,539	—	440,904
Conveying and elevating machinery (except passenger and freight elevators) and parts	—	15,031,537	—	13,392,074
Cream separators	3,426	389,292	3,227	373,580
Dairy and creamery machinery and parts, except cream separators, but including milking-machines, churning, pasteurizers, etc.	—	3,434,039	—	3,792,620
Dish-washing machinery (except domestic)	—	1,040,514	—	1,013,534
Electric appliances, motor-driven, not elsewhere specified	—	6,649,000	—	9,889,000
Elevators, freight and passenger, and parts	—	10,141,895	—	13,631,607
Engines(except automobile and aircraft):				
Steam, including steam turbines	29	851,059	—	906,740
Gasoline (except automobile):				
Marine type, including outboard	3	3	3	3
Other types (including industrial gas engines)	56,929	10,186,551	56,349	10,561,278
Diesel				
Engine parts	139	4,168,329	114	5,093,699
Fire-fighting equipment (except hand extinguishers)	—	2,780,494	—	2,831,816
Floor polishers, electric, (domestic and industrial)	—	3,968,983	—	3,042,946
Flour mill and grist machinery and parts	123,822	4,277,205	130,239	4,595,004
Generators and parts, electric, A.C. and D.C.	—	397,595	—	496,398
Grain elevator machinery and parts	—	20,589,514	—	14,366,087
Hoisting machinery and parts, including chain blocks, monorail electric hoists, overhead cranes, etc., but excluding mine hoists	—	1,828,381	—	1,380,855
Household machinery:				
Washing machines:				
Hand	1	22	—	—
Electric:				
Automatic	26,427	5,149,210	27,629	5,448,977
Conventional (including apartment size)	211,278	21,747,767	192,198	18,780,608
Gasoline	10,118	1,164,607	6,411	712,684
Irons (operated by own motor)	11,112	886,979	6,020	530,035
Dryers, clothes, automatic electric	16,851	2,592,704	20,775	3,017,964
Refrigerators, household mechanical, complete units, (electric and gas), all sizes	275,415	50,943,211	229,964	44,037,931
Compressors and condensing units, domestic, for assembly in individual household cabinets	80,862	4,308,395	28,265	2,208,793

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 Shipments⁶ of Industrial, Household and Business Machinery,
1953 and 1954 — Continued
(Data assembled from all industries)

Item	1953		1954	
	Number	Value of factory shipments ⁶	Number	Value of factory shipments ⁶
Household machinery — concluded:		\$		\$
Vacuum cleaners, electric:				
Floor models	37,126	2,239,354	22,801	1,523,306
Cylinder models	70,533	4,334,187	88,381	4,752,451
Hand models	7,705	137,497	5,435	119,772
Attachments and parts	—	1,211,414	—	967,785
Other household machinery (including sewing-machines) and parts	—	17,218,781	—	16,573,262
Knitting-machines, hand	1	1	1	1
Laundry, cleaning and pressing machinery and parts	—	2,915,831	—	2,526,804
Lawn mowers:				
Hand	28,619	392,310	18,516	235,097
Power	25,505	1,674,793	61,987	3,099,946
Leather-working machinery and parts	—	1,691,175	—	927,679
Logging machinery and parts	—	1,632,069	—	1,372,381
Metal-working machinery (machine tools):				
Boring machines	2	2	2	2
Drilling machines	—	467,486	745	756,884
Grinding machines	—	458,323	—	186,968
Lathes	311	2,512,441	275	1,308,964
Milling machines	2	2	2	2
Threading machines	2	2	2	2
Planers	2	2	2	2
Presses (forming, stamping, etc.)	—	3,650,108	—	1,887,488
Shapers	38	165,444	2	2
Shearing machines	196	211,641	158	188,841
Rolls, bending and straightening	2	2	2	2
Other machine tools	—	7,121,392	—	2,449,742
Machine tool parts and accessories	—	1,835,854	—	2,022,932
Metal-working machinery (except machine tools)	—	36,770	—	211,483
Mining and metallurgical machinery:				
Agitators	2	4,171	512	685,421
Ball and rod mills	—	965,603	35	1,041,729
Classifiers	17	221,429	8	169,797
Crushers, jaw and gyratory	—	805,207	—	818,701
Diamond drills	—	516,135	—	460,837
Filters	24	432,804	—	730,703
Flotation machines	—	132,000	—	95,000
Hoists	—	1,947,967	—	2,181,636
Mine cars	1,610	1,752,399	883	890,852
Skips and cages	—	309,055	—	394,877
Thickeners	—	30,808	26	97,664
Other mining and metallurgical machinery	—	6,281,100	—	4,460,444
Parts for mining machinery	—	9,370,747	—	13,229,549
Motors, electric, and parts	—	46,714,789	—	39,800,515
Motor-generator sets	247	1,350,840	213	1,744,638
Office, business and store machinery:				
Adding machines	17,044	2,190,167	14,311	2,147,379
Scales:				
For stores, homes and offices:				
For retail use	6,480	1,023,045	5,510	678,001
For domestic use	17,637	80,363	16,158	69,626
Industrial:				
Bench or portable type	3,584	826,695	3,747	645,347
Built-in or pit type	738	733,582	768	961,210
Typewriters:				
Standard, including long carriage ⁵	32,390	4,221,146	34,151	4,890,702
Portable	62,570	2,875,678	46,001	2,377,637
Electric	See "Standard"		See "Standard"	
Other, including accounting machines, cash registers, time recorders, meat slicers, bread slicers, calculating-machines, etc., and parts	—	22,809,126	—	23,929,892

1. See total at end of table.

2. Included with "other machine tools" to avoid disclosing figures for individual companies.

3. Includes electric type.

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

**TABLE 6. Factory Shipments⁶ of Industrial, Household and Business Machinery,
1953 and 1954 — Continued**
(Data assembled from all industries)

Item	1953		1954	
	Number	Value of factory shipments ⁶	Number	Value of factory shipments ⁶
Oil burners:		\$		\$
Power type:				
For house heating	100,288	10,609,632	114,380	11,244,958
Commercial and industrial	835	505,824	969	432,190
Oil burner parts	—	1,384,552	—	1,973,331
Plastics machinery and parts	—	46,306	—	114,967
Printing-machinery and parts	—	279,339	—	513,764
Pulp-making and paper-making machinery and parts	—	19,866,373	—	16,248,022
Pumps:				
Centrifugal	—	8,365,104	—	7,253,325
Cistern and pitcher	26,195	157,927	23,369	144,800
Deep well	1,449	65,193	1,407	36,817
Rotary	—	1,013,159	—	903,509
Sump	—	895,610	24,784	1,128,475
Vacuum	—	292,311	—	538,710
Direct-acting steam piston and electric	2,008	1,535,610	2,340	1,503,004
Other power pumps	—	2,081,424	—	3,251,728
Self-contained household water systems:				
Deep well (except jets)	1,737	408,304		
Shallow well (except jets)	38,504	3,736,876	See below	
Jet type	3,862	415,682		
Deep well — Jet type			3,739	438,650
Non-jet type			1,173	298,268
Shallow well — Jet type			3,637	280,617
Non-jet type			34,984	3,408,720
Pump jacks	4,743	220,784	3,053	86,281
Hand pumps	—	342,359	25,868	255,123
Pump parts, including repair parts	—	1,821,647	—	2,463,419
Gasoline-dispensing pumps	—	3,110,195	—	3,206,198
Refrigerating and ice-making machinery and equipment (except household refrigerators and condensing units)	—	20,529,857	—	21,380,000
Road-making machinery:				
Angle dozers	204	472,510	316	608,579
Graders	202	2,265,154	185	2,044,258
Rollers	10	60,315	6	53,828
Scrapers	17	125,066	18	213,656
Snow ploughs	416	462,697	650	539,032
Other road-making machinery	—	1,959,103	—	1,686,344
Parts for road-making machinery	—	743,813	—	1,428,695
Rolling mill machinery and parts	—	3,182,112	—	2,226,542
Rubber mill machinery and parts	—	2,527,819	—	1,133,354
Sawmill machinery and parts	—	3,149,176	—	2,907,300
Saws, power-chain	21,893	3,191,351	14,721	2,459,857
Saws, power-chain parts	—	877,523	—	1,937,021
Service station and garage machinery (except pumps):				
Auto lifts	1,331	667,100	1,912	913,348
Other service station equipment	—	566,495	—	601,955
Ships' machinery and fittings	—	6,691,320	—	7,400,796
Shovels, power	1	1	1	1
Stone-working machinery and parts	—	128,857	—	180,168
Stokers, mechanical:				
Domestic or residential	706	147,090	809	200,528
Commercial and industrial	640	1,197,580	536	385,030
Stoker parts, including repair parts	—	785,848	—	364,443
Textile machinery and parts	—	340,025	—	409,513
Transmission machinery, including brackets, hangers, shafting and other parts	—	18,497,907	—	15,765,671
Vending machines, automatic	2,276	177,525	—	96,122
Ventilating, exhaust and dust-collecting equipment:				
Blowers, complete with equipment	—	6,908,399	—	7,898,975
Fans, complete with equipment	—	—	—	—
Other equipment	—	—	—	—
Vulcanizers	1	1	1	1
Water-wheels and turbines	—	12,137,734	—	15,535,709
Water softeners	1	1	1	1
Welding machinery:				
Electric arc-welding equipment with controls	—	1,584,937	—	1,213,000
Other electric welding apparatus	—	2,253,992	—	1,637,000

1. See total at end of table.

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

**TABLE 6. Factory Shipments⁶ of Industrial, Household and Business Machinery,
1953 and 1954 — Concluded**
(Data assembled from all industries)

Item	1953		1954	
	Number	Value of factory shipments ⁶	Number	Value of factory shipments ⁶
Wood-working machinery (including hobby tools):		\$		\$
Band-sawing machines	5,554	431,467	1,091	164,334
Boring machines	528	12,605	—	19,077
Lathes	2,372	56,574	1,803	63,542
Matchers and planers	276	609,421	1,068	493,362
Moulders	27	263,255	28	145,576
Rip and cross-cut saws	26,296	1,218,028	16,204	805,062
Sanders	2,716	50,606	1,817	110,340
Shapers and jointers	3,928	272,224	2,986	174,150
Surfacing	99	35,084	112	14,795
Tenoners and mortisers	57	63,473	134	77,084
Other wood-working machinery and parts	—	804,765	—	1,291,914
All other machinery and parts, not separately specified	—	20,647,416	—	16,538,000
Total of items reported by only one or two firms indicated by ¹	—	4,050,811	—	2,726,790
Total machinery and parts	—	532,889,458	—	503,853,188

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, 1953 and 1954

Type	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Individual ownership	50	579	1,525,188	1,499,373	4,015,438
Partnerships	20	176	514,779	608,356	1,995,121
Incorporated companies	330	33,356	111,918,100	126,301,603	336,333,456
Co-operatives	1				
Total	401	34,111	113,958,067	128,409,332	342,344,015
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				
Total	399	32,851	114,239,002	131,145,901	342,210,737

IRON AND STEEL PRODUCTS

TABLE 8. Principal Statistics of the Machinery Industry in Canada, Grouped According to size of Establishment, 1953 and 1954

Establishments reporting factory shipments		Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
		No.	No.	\$	\$	\$
1953						
Under \$10,000	17	21	37,645	30,439	94,670	
\$10,000 to \$24,999	33	132	274,869	154,026	560,891	
\$25,000 to \$49,999	46	290	725,468	505,966	1,626,764	
\$50,000 to \$99,999	51	644	1,799,247	1,273,172	3,709,994	
\$100,000 to \$199,999	64	1,246	3,922,698	2,855,091	9,143,355	
\$200,000 to \$499,999	55	2,196	6,710,891	6,074,221	17,611,360	
\$500,000 to \$999,999	47	3,629	11,988,405	12,722,842	32,858,917	
\$1,000,000 to \$4,999,999	79	16,045	54,199,558	63,040,483	168,694,971	
\$5,000,000 and over	9	9,467	32,590,934	41,753,092	108,043,093	
Head offices	—	441	1,708,352	—	—	—
Total	401	34,111	113,958,067	128,409,332	342,344,015	
1954						
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	—	—	—
Total	399	32,831	114,239,002	131,145,901	342,210,737	

TABLE 9. Employees and Earnings in the Machinery Industry, by Provinces, 1953 and 1954

Province	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				
1953								
Newfoundland and New Brunswick	35	12	161	—	208	205,289	457,654	662,943
Nova Scotia	20	10	151	13	194	98,440	294,548	392,988
Quebec	2,195	904	7,458	513	11,070	10,945,635	24,087,630	35,033,265
Ontario	3,886	1,732	13,878	886	20,382	21,783,694	48,054,540	69,838,234
Manitoba	82	24	279	2	387	409,039	812,929	1,221,968
Saskatchewan	16	8	118	3	145	89,575	338,445	428,020
Alberta	52	11	230	3	296	250,440	756,096	1,006,536
British Columbia	268	97	1,028	36	1,429	1,548,987	3,825,126	5,374,113
Canada	6,554	2,798	23,303	1,456	34,111	35,331,099	78,626,968	113,958,067
1954								
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
Canada	6,633	2,642	22,230	1,326	32,831	38,125,006	76,113,996	114,239,002

TABLE 10. Production Workers, by Months, 1953 and 1954

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
January.....	23,535	1,481	25,016	22,674	1,384	24,058
February.....	23,593	1,505	25,098	22,614	1,396	24,010
March.....	23,617	1,488	25,105	22,789	1,402	24,191
April.....	23,529	1,448	24,977	22,346	1,393	23,739
May.....	23,461	1,461	24,922	22,276	1,387	23,663
June.....	23,578	1,487	25,065	22,262	1,362	23,624
July.....	23,414	1,465	24,879	22,144	1,273	23,417
August.....	23,213	1,425	24,638	22,093	1,283	23,376
September.....	23,277	1,431	24,708	21,974	1,267	23,241
October.....	23,155	1,443	24,598	21,797	1,280	23,077
November.....	23,044	1,423	24,467	21,565	1,258	22,823
December.....	22,360	1,412	23,772	21,415	1,221	22,636
Average.....	23,303	1,456	24,759	22,230	1,326	23,556

TABLE 11. Capital and Repair Expenditures in the Machinery Industry, 1950-1954

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						
1950.....	3,676	6,164	9,840	1,421	3,148	4,569	14,409
1951.....	4,510	6,547	11,057	1,578	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 ¹	4,209	10,557	14,766	1,586	3,636	5,222	19,988

1. Preliminary.

Directory of Firms Included in the Machinery Industry, 1954

Name of firm	Location of plant
(a) Household, Office and Store Machinery	
Nova Scotia:	
Canadian Assemblies, Limited	Amherst
Quebec:	
Alpha Sewing Maching Co. of Canada, Reg'd.....	99 Van Horne, Montreal
Arrow Sewing Machine Co. Ltd.....	1082 Beaver Hall Hill, Montreal
Associated Clock Industries, Limited	8 Craig St. W., Montreal
Auto Knitters & Hosiery Ltd.....	3826 Masson St., Montreal
Automatic Dispensers Mfg. Ltd.....	7501 Byron St., Ville St. Michel, Montreal
Blank, Wm., Mfg. Co.....	4677 City Hall, 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.....	2580 Wurtele St., Montreal
Gauvin, Jos.....	5, rue Lee, Québec
Globe Products, Ltd.....	1551 Jean Talon E., Montreal
Lite, A.R., Mfg. Co.....	2635 Aird Ave., Montreal

Directory of Firms Included in the Machinery Industry, 1954 - Continued

Name of firm	Location of plant
(a) Household, Office and Store Machinery - Concluded	
Quebec - concluded:	
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
Polaramat 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
Super Industries Co. Reg'd.	252 Mozart St. E., Montreal
Verdun Machine Shop Reg'd.	580 Rothsay St., St. Lambert, Chambly Co.
Vigorelli of Canada, Ltd.	1812 Ste-Catherine St., Montreal
Ontario:	
Atlantic Service Company, Limited	135 Logan Ave., Toronto
Beatty Bros. Limited	Hill St., Fergus
Better Packages of Canada, Limited	58 Stewart St., Toronto
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
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.	69 Elgin St., Brantford
Ideal Vendor Co., of Canada, Ltd.	Main St., Deseronto
International Business Machines Company, Limited	Don Mills Road, Toronto
Maxwell, Limited	73 Park St., St. Marys
McCaskey Systems, Limited	Beverly St., Galt
Mercury Tool & Stamping Ltd.	1351 Dufferin St., Toronto
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
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
Stearmarvel 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
Manitoba:	
Bell Refrigerator Co. Ltd.	1654 Portage Ave., St. James
Maytag Company, Ltd.	845 Marion St., St. Boniface
Saskatchewan:	
Ennis & Sons	1335 Wallace St., Regina
British Columbia:	
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, 1954 — Continued

Name of firm.	Location of plant
(b) Machine Tools	
Ontario:	
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
Hastings Machine Tools, Ltd.	Deseronto
McDougall, R., Company, Limited	50 Chapman St., Galt
Modern Tool Works Limited	69 Montcalm Ave., Toronto
Peerless Machine & Tool Company, Limited	47-59 Duke St., Guelph
Scott Enterprises	North Bay
Standard Machine & Tool Company, Limited	870 Ottawa St., Windsor
Wheatley Manufacturing, Ltd.	2536 Dougall Rd., Windsor
Whitehall, Harry W., Limited	80 Queen St., Hespeler
Williams Tool Corporation of Canada, Limited	32-36 Bridge St., Brantford
(c) Machinery, N.E.C.¹	
Newfoundland:	
Barnes Marine Engines	St. John's
Canadian Machinery & Industry Construction Ltd.	P.O. Box 169, St. John's
Nova Scotia:	
Acadia Gas Engines, Limited	King St., Bridgewater
Chisholm Industries, Limited	230 Stellarton Rd., New Glasgow
Hawboldt Gas Engines Ltd.	Chester
Oxford Foundry and Machine Company, Limited	Foundry St., Oxford
New Brunswick:	
Lauder, Rudolph W.	Hillsborough
Northern Machine Works Limited	Main St., Bathurst
Quebec:	
All Canada Engineering Co. Ltd.	960 Lafayette Ave., Montreal South
American Air Filter of Canada Ltd.	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
Coté, Eugene, Co.	Chateauguay Bassin
Coté Bros. & Burritt Ltd.	12800 Conde St., Montreal
Coté, Jos., Inc.	St. Ephrem
Crammond & Son, Limited	4865 Dagenais St., Montreal
Cusson Frères Ltée	5759 Hochelaga St., Montreal
Darling Brothers, Limited	140 Prince St., Montreal
Defricheurs Benjamin Enrg.	St. Benjamin, Dorchester
Dominion Engineering Works, Limited	First Ave., Lachine
Farr Company Manufacturing Ltd.	105 Port Royal St. W., Montreal
Flash Circle Saw	95 St. Roch St., Quebec
Forano Limited	St. Paul St., Plessisville
Gosselin, J.A., Co. Limited	301 Herbert St., Drummondville
Hall Machinery of Canada Ltd.	124 Grandes Fourches St. S., Sherbrooke
Har-Pur Products Ltd.	46-14th St., Noranda
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
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
Linde-Hall Canadian Refrigeration Company, Limited	5031 Côté de Liesse Rd., Montreal
Machinerie Etchemin Enrg.	23, rue Jacques - Cartier, St-Romuald
Machineries Mercier Ltée	12, rue St-Laurent, Lévis

Directory of Firms Included in the Machinery Industry, 1954 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. ¹ - Continued	
Quebec - concluded:	
Messely & Fils Enrg.	495-2ième ave., Québec
Miller Bros. & Sons, Limited	45 Seigneurs St., Montreal
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
Rock 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	Randill St., Sherbrooke
Southern Industries, Limited	Marieville
Technical Accessories Limited	5595 Fullum 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
Westbury Gear Works, Reg'd.	41-11th Ave., Sherbrooke
Wilson Machine Company, Limited	161 Nazareth St., Montreal
Ontario:	
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
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., Islington, 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	175 Munro St., Toronto
Bettger Industries Ltd.	649 Ontario St., Stratford
Bickle-Seagrave, Limited	Dundas St. E., Woodstock
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
Buchanan, F.L., Limited	129-131 Front St. S., Orillia
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
Callander Foundry & Mfg. Co. Ltd.	54 Crimea St., Guelph
Campbell & Perrin Machinery Ltd.	391 King St. E., Kitchener
Canada Vulcanizer & Equipment Co. Ltd.	1109 York St., London
Canadian Blower & Forge Co. Ltd.	Woodside Ave., Kitchener
Canadian Chain Belt, Ltd.	1181 Sheppard Ave., Willowdale
Canadian Industrial Engineering	7 Raleigh Ave., Toronto
Canadian Longyear, Limited	1111 Main St. W., North Bay
Canadian Mines Equipment Company, Limited	596 Hamilton Road, London
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
Clark Machine Company, Limited	Merritt St., Merriton
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, 1954—Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. ¹ —Continued	
Ontario—continued:	
Cooke & Denison Limited.....	31 Yarmouth St., Guelph
Cowan and Company of Galt, Limited.....	70 N. Water St., Galt
Day Co. of Canada Ltd., The.....	Welland and 46-7th St., Welland
Day Co. of Canada, Ltd., The.....	P.O. Box 70, Fort William
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.....	Mailland 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
Extrusion Machine Co.....	67 Blake St., Toronto
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
Fisher & Ludlow, (Canada) Ltd.....	Ajax
Fisher Gauge Works, Ltd.....	194 Sophia St., Peterborough
Fleck, Alexander, Ltd.....	416 Wellington St., Ottawa
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
Goldseworthy, R.D., & Co. Ltd.....	472 Mill St., Kitchener
Goodwin Chuck Company, Limited.....	260 Colborne St., Brantford
Greay, Wm. & J.G., Limited.....	100 Miranda Ave., Toronto
Halton Mfg. Co. Ltd.....	Rockwood
Hamilton Gear and Machine Company Ltd.....	950 Dupont St., Toronto
Harley-Kay-Marsland Ltd.....	Water St., Georgetown
Heath and Sherwood Limited.....	6 Duncan Ave., Kirkland Lake
Holdsworth, James, & Bros. (Canada) Ltd.....	P.O. Box 157, Station H, Toronto
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
Kennedy, William, & Sons, Limited.....	452 Bay St., Sault Ste. Marie
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
Mahaffy Iron Works Company, Ltd.....	145 Kendal Ave., Toronto
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
Mercury Manufacturing Co.....	80 Ritchie Ave., Toronto
Midland Foundry & Machine Co. Ltd.....	223-225 Bay St. W., Midland
Morris, Herbert, Crane & Hoist Co., Limited.....	Stanley Ave., Niagara Falls
Nagy, Alex J., Co.....	Cooksville
National Equipment Company, Limited.....	41-45 Wabash Ave., Toronto
New Ontario Machine Works, Limited.....	271-1st Ave., Timmins
Norfolk Manufacturing Co.....	Box 310, Courtland
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, 1954 - Continued

Name of firm	Location of plant
(c) Machinery, N.E.C. ¹ - Continued	
Ontario - concluded:	
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
Perrin-Turher, Limited	1988 Queen St. W., Toronto
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	O'Connor Drive, Toronto
Premier Engineering	86 Tycos Drive, Toronto
Preston Woodworking Machinery Company, Limited	Preston
Price, David, Machine Products	Norfolk St. W., Simcoe
Propane Containers of Canada, Limited	382 Bering Ave., Toronto 18
Provincial Engineering Limited	674 Ferguson St., Niagara Falls
Pumps & Softeners, Limited	680 Waterloo St., London
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
Roelofson Elevator Company, Limited	5001 Dundas St. W., Toronto
Rollins Gears Limited	19 Young St., Woodstock
Sandy Road Equipment Limited	Victoria St., Goderich
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
Sta-Rite Pumps, (Canada) Ltd.	Fairall St., Ajax
St. Lawrence Engine Company, Limited	St. Andrew St., Brockville
Sparkler International, Ltd.	Cedar Creek Rd., Galt
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., 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., S., 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
Vulcan Metalcraft Ltd.	3801 Dundas St. W., Toronto
Walker-Wallace, Limited	193 A King St. E., Toronto
Wallace & Tiernan Limited	17 Cornwall St., 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
William Kennedy, The, & Sons, Limited	311 Montrose St., Preston
Wood, John, Co. Ltd.	1144 -First Ave. W., Owen Sound
Yates, P.B., Machine Company, Limited	101 Hanson St., Toronto
	Cathcart & Robert Sts., Hamilton
Manitoba:	
Alpha Manufacturing Company, Limited	Notre Dame & Midland, Winnipeg
Dauphin Products Ltd.	Second Ave. N.E., Dauphin

Directory of Firms Included in the Machinery Industry, 1954 — Concluded

Name of firm	Location of plant
(c) Machinery, N.E.C.¹ — Concluded	
Manitoba — concluded:	
Hedley, Percy E., & Sons	Hamiota
Kipp-Kelly, Limited	68 Higgins Ave., Winnipeg
Kitchenaire, Limited	Notre Dame & Midland Sts., Winnipeg
Krushel, L., & Sons	Morden
Monarch Machinery Co. Ltd.	889 Erin St., Winnipeg
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
Saskatchewan:	
Canadian Well Supply Company, Limited	Cor. Atkinson St. & Dewdney, Regina
Gregg Machinery	876 Albert St., Regina
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
Alberta:	
Alco Machine Works Ltd.	6915-104th St., Edmonton
Coutts Machinery Company, Limited	9119 Stadium Road, Edmonton
Hydraulic Sales & Service	Forest Lawn
J.R. Machinery Sales, Limited.....	#16 Hangar, Municipal Airport, Edmonton
Riverside Iron & Engineering Works Ltd.	803-24th Ave. S.E., Calgary
British Columbia:	
Allard Engineering, Limited.....	1031 Quebec St., New Westminster
Anderson Blowpipe & Mfg. Co. Ltd.	360 West 1st Ave., Vancouver
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
Deltor Marine & Equipment Co. Ltd.	1698 W. Georgia St., Vancouver
Easthope Bros., Limited.....	1747 W. Georgia St., Vancouver
Equipment Sales & Rentals	603 Powell St., Vancouver
Gearmatic Co. Ltd.	636 W. 6th Ave., Vancouver
Hamilton, G.J., Limited	910 Beach Ave., Vancouver
Haney Machinery Co. Ltd.	Haney
Heaps, Waterous, Limited	Ewen Ave., New Westminster
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
Nicholson Murdie Machines, Ltd.	327 Harbour Rd., Victoria
New Westminster Marine Sales & Service Ltd.	301-12th St., New Westminster
Nicholson Supplies & Equipment Ltd.	666 Alexander St., Vancouver
Opsal Steel Limited	97 East 2nd Ave., Vancouver
Paragon Engine Co.	1869 W. Georgia St., Vancouver
Paragon Equipment Manufacturing Company, Limited	885 Cordova 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 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

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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