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MISCELLANEOUS MACHINERY AND EQUIPMENT MANUFACTURERS

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ANNUAL CENSUS OF MANUFACTURES

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

MISCELLANEOUS MACHINERY AND EQUIPMENT MANUFACTURERS, 1960

Data for 1960 presented in this report reflect implementation of the revised Standard Industrial Classification (SIC) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics—see item "Standard Industrial Classification" in the Explanatory Notes section of this report. The present report constitutes the first in this series for Miscellaneous Machinery and Equipment Manufacturers. However, related data for this industry were previously included in "The Machinery Industry", catalogue 42-208, as "Machinery, N.E.C.". For statistical purposes the industry titled Miscellaneous Machinery and Equipment Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing machinery and equipment designed particularly for use in construction and mining operations including earth moving machinery and equipment, and earth and rock boring and drilling equipment; establishments primarily engaged in manufacturing other special industry machinery except agricultural machinery, including such products as textile machinery, pulp and paper machinery, printing machinery, and food processing machinery; establishments primarily engaged in manufacturing machinery and equipment not designed for use in any particular industry or classified elsewhere, including such products as marine engines, general-purpose engines, pumping equipment, equipment for the transmission of mechanical power, conveyor systems, elevators and lifting and hoisting machinery. Establishments primarily engaged in manufacturing industrial tractors for handling materials in industrial plants, depots and docks are included here. Included also are establishments primarily engaged in manufacturing wood-working machinery and in manufacturing machine tools which are power driven machines employing a cutting tool for work on metal. Establishments primarily engaged in manufacturing bits, drills and other cutting tools for machines or for power-driven hand tools are included in Industry No. 306—Hardware, Tool and Cutlery Manufacturers. Firms reporting the manufacture of commercial refrigeration and

air conditioning as a major part of their operation are included in "Commercial Refrigeration and Air Conditioning Manufacturers" catalogue number 42-215 and firms reporting the manufacture of Office and Store machinery are included in "Office and Store Machinery Manufacturers" catalogue number 42-216.

In many instances adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments between industry groupings. In the case of Miscellaneous Machinery and Equipment Manufacturers the significant changes were the inclusion of the establishments formerly classified in the old SIC industry, Machine Tools Industry and the addition, as transfers, from other industries of firms on account of a change in their major activity. In order to provide a statistical comparison an attempt has been made to recompile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis. Figures on this basis are shown in Table 1.

There were 409 establishments classified as Miscellaneous Machinery and Equipment Manufacturers in 1960, there being 1 in Newfoundland, 2 in New Brunswick, 5 in Nova Scotia, 66 in Quebec, 261 in Ontario, 13 in Manitoba, 6 in Saskatchewan, 9 in Alberta and 46 in British Columbia. Employees in this industry numbered 27,606; salaries and wages totalled \$123,792,123; materials used in manufacturing processes cost \$174,357,409; and factory shipments were valued at \$393,932,002.

The establishments in this industry make Miscellaneous Machinery and Equipment as their main products. On the other hand some establishments which have been classified to other industrial classes make miscellaneous machinery and equipment as a secondary part of their business. Tables 1 to 4 and 6 to 10 of this report refer only to manufacturers of miscellaneous machinery and equipment reporting these lines as their main products. Table 5 represents total factory shipments of miscellaneous machinery and equipment from all industries.

**TABLE 1. Principal Statistics: Miscellaneous Machinery and Equipment Manufacturers
by Provinces, 1957-60**

Basis: Standard Industrial Classification, revised 1960

| Year and province | Estab- lish- ments | Em- ployees | Salaries and wages | Cost of fuel and electricity at plant | Cost at plant of materials used | Value added by manufacture ¹ | Value of factory shipments |
|------------------------|--------------------------|----------------|-----------------------|---|---------------------------------------|---|----------------------------------|
| | number | | | | dollars | | |
| 1957 | | | | | | | |
| Newfoundland | 1 | 108 | 437,204 | 23,332 | 503,778 | | 1,494,902 |
| New Brunswick | 2 | | | | | | |
| Nova Scotia | 5 | 403 | 1,253,635 | 61,029 | 1,168,912 | | 3,090,793 |
| Quebec | 60 | 8,374 | 32,593,229 | 945,908 | 45,987,842 | | 108,068,929 |
| Ontario | 243 | 18,780 | 75,393,036 | 2,480,805 | 109,569,161 | | 253,838,060 |
| Manitoba | 12 | 420 | 1,528,035 | 53,348 | 1,792,273 | | 4,397,882 |
| Saskatchewan | 7 | 139 | 459,953 | 20,898 | 736,297 | | 1,373,526 |
| Alberta | 5 | 107 | 378,912 | 14,948 | 764,523 | | 1,359,682 |
| British Columbia | 45 | 2,513 | 10,907,738 | 308,625 | 12,728,329 | | 29,892,556 |
| Canada | 380 | 30,844 | 122,951,742 | 3,908,893 | 173,251,115 | | 403,516,333 |

See footnotes at end of table.

TABLE 1. Principal Statistics: Miscellaneous Machinery and Equipment Manufacturers by Provinces, 1957 - 60 - Concluded

| Year and province | Estab-lish-ments | Em-ployees | Salaries and wages | Cost of fuel and electricity at plant | Cost at plant of materials used | Value added by manufacture ¹ | Value of factory shipments |
|------------------------|------------------|---------------|--------------------|---------------------------------------|---------------------------------|---|----------------------------|
| | number | | | | dollars | | |
| 1958 | | | | | | | |
| Newfoundland | 1 | 90 | 372,880 | 15,982 | 263,288 | | 839,306 |
| New Brunswick | 2 | | | | | | |
| Nova Scotia | 5 | 207 | 730,653 | 40,588 | 730,619 | | 1,941,911 |
| Quebec | 69 | 5,949 | 26,709,046 | 916,395 | 39,659,267 | | 89,328,307 |
| Ontario | 257 | 16,770 | 71,455,013 | 2,631,806 | 101,925,182 | | 233,900,566 |
| Manitoba | 13 | 431 | 1,647,337 | 63,580 | 2,109,834 | | 5,237,474 |
| Saskatchewan | 6 | 106 | 366,113 | 18,798 | 414,315 | | 1,020,720 |
| Alberta | 8 | 99 | 360,313 | 14,386 | 859,348 | | 2,387,521 |
| British Columbia | 46 | 1,442 | 6,231,492 | 212,925 | 7,308,818 | | 15,432,285 |
| Canada | 407 | 26,094 | 107,873,847 | 3,914,460 | 153,270,671 | | 350,088,090 |
| 1959 | | | | | | | |
| Newfoundland | 1 | 87 | 373,871 | 14,455 | 255,801 | | 771,071 |
| New Brunswick | 2 | | | | | | |
| Nova Scotia | 5 | 198 | 709,114 | 30,336 | 536,962 | | 1,623,938 |
| Quebec | 67 | 6,875 | 28,040,114 | 950,360 | 40,996,576 | | 93,785,603 |
| Ontario | 257 | 17,997 | 80,036,963 | 2,789,401 | 111,251,737 | | 254,135,334 |
| Manitoba | 13 | 465 | 1,831,046 | 71,329 | 2,613,905 | | 5,442,132 |
| Saskatchewan | 6 | 134 | 484,366 | 21,574 | 573,340 | | 1,450,174 |
| Alberta | 6 | 94 | 368,495 | 12,712 | 866,562 | | 1,421,284 |
| British Columbia | 47 | 1,557 | 7,160,150 | 280,116 | 10,255,404 | | 21,454,467 |
| Canada | 404 | 27,407 | 119,004,119 | 4,176,283 | 167,350,287 | | 380,084,003 |
| 1960 | | | | | | | |
| Newfoundland | 1 | 69 | 292,671 | 9,927 | 184,452 | 330,459 | 560,360 |
| New Brunswick | 2 | | | | | | |
| Nova Scotia | 5 | 289 | 1,073,977 | 36,654 | 711,712 | 1,919,744 | 2,543,905 |
| Quebec | 66 | 7,252 | 31,312,705 | 1,032,372 | 47,126,085 | 53,552,244 | 102,574,169 |
| Ontario | 261 | 17,578 | 80,256,352 | 2,747,061 | 113,244,362 | 143,230,744 | 256,321,562 |
| Manitoba | 13 | 514 | 2,154,745 | 66,978 | 2,608,327 | 3,641,166 | 6,103,123 |
| Saskatchewan | 6 | 108 | 410,000 | 17,360 | 636,544 | 486,681 | 1,104,111 |
| Alberta | 9 | 241 | 970,475 | 66,948 | 1,815,658 | 1,630,695 | 3,564,192 |
| British Columbia | 46 | 1,555 | 7,321,198 | 271,292 | 8,030,269 | 12,865,057 | 21,160,580 |
| Canada | 409 | 27,606 | 123,792,123 | 4,248,592 | 174,357,409 | 217,656,790 | 393,932,002 |

¹ Figures for 1960 do not include any adjustment for goods in process inventory held under progress payments arrangements.

² The changeover to the new classification has delayed the compilation of "Value added" figures for these years and same will not be available until the next issue of this report.

TABLE 2. Inventories:¹ Miscellaneous Machinery and Equipment Manufacturers, 1960

| | Raw materials and supplies | Goods in process | Finished goods of own manufacture | Total |
|--------------------------------------|----------------------------|-------------------|-----------------------------------|--------------------|
| | dollars | | | |
| Opening: | | | | |
| Newfoundland and New Brunswick | 264,578 | 34,660 | 73,009 | 372,247 |
| Nova Scotia | 305,792 | 215,931 | 292,131 | 813,854 |
| Quebec | 6,718,080 | 7,507,089 | 10,375,222 | 24,600,391 |
| Ontario | 30,638,733 | 21,828,842 | 21,048,188 | 73,515,763 |
| Manitoba | 639,971 | 201,177 | 506,543 | 1,347,691 |
| Saskatchewan | 238,212 | 118,746 | 231,671 | 588,629 |
| Alberta | 528,830 | 151,253 | 664,758 | 1,344,841 |
| British Columbia | 2,419,186 | 1,652,886 | 1,655,061 | 5,727,133 |
| Canada | 41,753,382 | 31,710,584 | 34,846,583 | 108,310,549 |
| Closing: | | | | |
| Newfoundland and New Brunswick | 167,263 | 23,975 | 48,172 | 239,410 |
| Nova Scotia | 424,490 | 301,851 | 330,416 | 1,056,757 |
| Quebec | 7,203,601 | 8,047,783 | 8,971,060 | 24,222,444 |
| Ontario | 30,476,592 | 22,211,537 | 23,566,098 | 76,254,227 |
| Manitoba | 839,793 | 366,112 | 554,956 | 1,760,861 |
| Saskatchewan | 268,074 | 128,997 | 257,894 | 654,965 |
| Alberta | 527,020 | 141,180 | 623,940 | 1,292,140 |
| British Columbia | 2,623,244 | 1,393,923 | 1,920,062 | 5,937,229 |
| Canada | 42,530,077 | 32,615,358 | 36,272,598 | 111,418,033 |

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

TABLE 3. Factory Shipments: Miscellaneous Machinery and Equipment Manufacturers, 1960

| Item | Value of factory shipments \$ |
|--|-------------------------------------|
| Compressors, pumps and parts: | |
| Air compressors | 8,371,864 |
| Pumps and parts | 20,504,907 |
| Conveying, elevating, materials handling equipment and parts: | |
| Conveyors and conveying systems and parts | 19,422,623 |
| Elevators and parts | 16,342,347 |
| Hoisting machinery (except mine hoists) and parts | 7,262,797 |
| Industrial trucks, tractors, trailers and stackers and parts | 3,395,960 |
| Miscellaneous materials handling equipment and parts | 3,882,213 |
| Drilling, excavating, mining and related machinery and parts: | |
| Rock drilling, earth boring and related machinery and parts | 18,429,793 |
| Excavating, dredging and loading equipment and parts | 11,301,748 |
| Mining and ore processing machinery and parts | 12,678,607 |
| Construction machinery and parts | 11,620,154 |
| Engines and parts | 33,242,042 |
| Fire-fighting equipment | 3,879,398 |
| Food products machinery (including beverages and tobacco) machinery and parts: | |
| Bakers' machinery and parts | 2,305,257 |
| Dairy and milk product plant machinery | 1,034,345 |
| Flour and grist mill machinery | 636,311 |
| Food products machinery, other, and parts | 1,882,607 |
| Foundry equipment (core-making machines, moulding machines, casting machines, shakeout equipment, etc.) | 950,464 |
| Metal-working machinery and parts: | |
| Machine tools, metal-working and parts | 5,601,105 |
| Metal-working machinery (except machine tools) and parts | 10,006,019 |
| Miscellaneous general purpose industrial machinery and parts: | |
| Wrapping and packaging machinery and parts | 1,731,053 |
| Other general purpose industrial machinery and parts | 5,651,700 |
| Miscellaneous special industry machinery and parts: | |
| Cement mill machinery | 2,572,455 |
| Grain elevator machinery | 642,741 |
| Logging machinery | 1,707,834 |
| Rubber-working machinery | 1,681,268 |
| Saw-mill machinery, including lumber handling equipment | 2,100,198 |
| Special industry machinery, other, and parts | 11,139,366 |
| Pulp and paper industries machinery and parts | 27,098,298 |
| Refrigeration and air conditioning equipment and parts: | |
| Refrigeration equipment and parts | 1,402,087 |
| Air conditioning equipment and parts | 2,458,301 |
| Service industry equipment (including vending machines) and parts | 11,804,698 |
| Ship's machinery and fittings | 1,778,588 |
| Textile industries machinery and parts | 141,048 |
| Transmission equipment and bearings and parts | 27,503,249 |
| Water and sewage treatment equipment and parts | 7,463,310 |
| Woodworking machinery (excluding power driven hand tools) and parts | 1,334,099 |
| Ventilating, exhaust and dust-collecting equipment and parts | 10,610,512 |
| All other machinery and machinery parts | 34,169,075 |
| Total machinery and parts | 345,740,341 |
| All other products | 37,350,123 |
| Amount received for repair and custom work | 10,841,538 |
| Total | 393,932,002 |

Note: Data given in this table are for Miscellaneous Machinery and Equipment Manufacturers which includes only the firms occupied chiefly in the manufacture of miscellaneous machinery. The output figures do not necessarily represent the total Canadian production as some miscellaneous machinery was made as secondary products by firms in other industries. The total production from all industries is shown in Table 5 in as much detail as possible.

TABLE 4. Materials Used: Miscellaneous Machinery and Equipment Manufacturers, 1960

| Material | Quantity | Cost at works |
|--|------------------|--------------------|
| | | \$ |
| Castings (rough and semi-finished) received from foundry: | | |
| Iron (gray and malleable)..... | ton 21,834 | 6,432,943 |
| Steel | " 10,591 | 5,355,367 |
| Pig iron, all grades | " 7,667 | 497,927 |
| Steel (except alloy steel): | | |
| Bars | " 25,551 | 4,926,681 |
| Plates (3/16 in. and thicker) | " 32,435 | 5,150,241 |
| Sheets (under 3/16 in.)—Plain..... | " 18,742 | 2,782,927 |
| Galvanized..... | " 2,353 | 457,171 |
| Tinplate..... | " 495 | 81,200 |
| Strips (less than 14 in. wide) | " 1,027 | 217,692 |
| Structural shapes, unfabricated (channels, angles, etc.) | " 23,561 | 4,187,347 |
| Wire..... | " 898 | 187,572 |
| Alloy steel in all forms: | | |
| Alloy steel (other than stainless and tool steel)..... | .. | 3,081,677 |
| Stainless | .. | 3,169,339 |
| Tool steel (all types including high speed) | .. | 1,776,168 |
| Scrap iron and steel—Purchased | ton 13,911 | 581,072 |
| Own make | " 1,638 | 66,197 |
| Pipe and fittings, iron and steel | .. | 2,050,278 |
| Other iron and steel | .. | 6,111,977 |
| Ferro-alloys | .. | 115,172 |
| Non-ferrous metals in all forms: | | |
| Aluminum—Castings | pound 5,855,360 | 6,650,996 |
| Sheet | " 659,483 | 312,447 |
| Other forms | " 2,204,041 | 730,344 |
| Brass and bronze | " 3,720,003 | 2,155,563 |
| Copper—Sheet..... | " 196,854 | 124,426 |
| Wire..... | " 524,921 | 582,407 |
| Other forms | " 664,474 | 389,811 |
| Lead | " 124,818 | 17,927 |
| Nickel..... | " 79,779 | 66,978 |
| Tin | " 10,153 | 11,406 |
| Zinc | " 203,949 | 47,251 |
| Babbitt metals and solders | " 230,255 | 115,362 |
| Other non-ferrous metals | .. | 687,591 |
| Other materials and supplies: | | |
| Paints, oils and varnishes | .. | 639,143 |
| Foundry coke (used in cupola) | ton 7,363 | 254,056 |
| Foundry sands | " 8,208 | 102,058 |
| Plumbago and graphite | pound 205,491 | 18,459 |
| Lumber | M ft. b.m. 7,078 | 749,390 |
| Firebrick and cupola blocks | — | 38,671 |
| Fireclay | ton 613 | 15,107 |
| Core oil | Imp. gal. 20,563 | 22,687 |
| Shipping materials | ... | 1,431,721 |
| All other materials ¹ | ... | 111,964,660 |
| Totals | ... | 174,357,409 |

¹ Commodity detail was requested only from the larger firms and the estimated value of materials used by the smaller firms is included in "All other materials".

TABLE 5. Factory Shipments of Miscellaneous Machinery and Equipment, 1960 (from All Industries)

| Item | 1959 | | 1960 | |
|---|------------------|----------------------------|------------------|----------------------------|
| | Quantity shipped | Value of factory shipments | Quantity shipped | Value of factory shipments |
| | No. | \$ | No. | \$ |
| Compressors and pumps: | | | | |
| Air compressors: | | | | |
| Stationary type | .. | 4,711,000 | .. | 7,034,000 |
| Portable type | .. | 1,960,000 | .. | 1,357,000 |
| Pumps: | | | | |
| Centrifugal | .. | 8,307,000 | .. | 9,145,000 |
| Cistern and pitcher | 7,615 | 40,000 | 5,000 | 30,000 |
| Deep well | 592 | 755,000 | 1,609 | 333,000 |
| Rotary | .. | 682,000 | .. | 367,000 |
| Sump | 36,254 | 1,239,000 | 34,684 | 1,208,000 |
| Vacuum | .. | 140,000 | .. | 154,000 |
| Pump jacks | .. | 113,000 | .. | 205,000 |
| Hand pumps | .. | 421,000 | .. | 415,000 |
| Self-contained household water pumping systems: | | | | |
| Deep well and shallow jets | 35,877 | 3,217,000 | 34,482 | 3,251,000 |
| Shallow well, non-jet | 29,486 | 2,484,000 | 24,660 | 2,186,000 |
| Other power pumps; including direct-acting steam piston and electric | .. | 3,185,000 | .. | 2,817,000 |
| Pumps parts and accessories | ... | 4,014,000 | ... | 4,637,000 |
| Conveying, elevating and materials handling equipment: | | | | |
| Conveyors and conveying systems: | | | | |
| Gravity conveyors, (including straight and spiral chutes) | .. | 1,743,000 | .. | 2,189,000 |
| Portable conveyor units | .. | 613,000 | .. | 426,000 |
| Power conveyors: | | | | |
| Belt type | .. | 9,833,000 | .. | 10,254,000 |
| Bucket type | .. | 1,656,000 | .. | 1,244,000 |
| Other conveyors, including pneumatic tube systems and parts .. | .. | 5,641,000 | .. | 6,899,000 |
| Elevators, including passenger, freight, sidewalk, dumb-waiters, escalators and parts | ... | 14,994,000 | ... | 16,446,000 |
| Hoisting machinery (except mine hoists): | | | | |
| Powered overhead travelling cranes | .. | 5,226,000 | .. | 6,062,000 |
| Other cranes | .. | 909,000 | .. | 918,000 |
| Chain blocks and trolleys | .. | 1,410,000 | .. | 1,408,000 |
| Monorail electric hoists | .. | 283,000 | .. | 732,000 |
| Monorail systems | .. | 471,000 | .. | 485,000 |
| Industrial hoists and lifts, stationary | .. | 76,000 | .. | 88,000 |
| Winches | .. | 1,748,000 | .. | 1,491,000 |
| Other hoisting machinery | .. | 2,378,000 | .. | 1,070,000 |
| Attachments and parts for hoisting machinery | .. | 615,000 | .. | 1,418,000 |
| Industrial trucks, tractors, trailers and stackers: | | | | |
| Hand trucks (including dollies) | .. | 1,382,000 | .. | 1,686,000 |
| Lift trucks | .. | 1,652,000 | .. | 1,055,000 |
| Other industrial tractors, stackers, including powered types | .. | 1,371,000 | .. | 1,045,000 |
| Miscellaneous materials handling equipment | .. | 3,780,000 | .. | 4,590,000 |
| Drilling, excavating, mining and related machinery: | | | | |
| Rock drilling, earth boring and related machinery: | | | | |
| Rock drills, including diamond drills | .. | 1,682,000 | .. | 2,120,000 |
| Diamond drill bits | .. | 4,167,000 | .. | 3,598,000 |
| Tungsten carbide drill bits | .. | 5,728,000 | .. | 4,934,000 |
| Other drill bits | .. | 1 | .. | 1 |
| Other rock drilling, earth boring and related machinery and parts .. | .. | 7,755,000 | .. | 9,329,000 |
| Mining and ore processing machinery: | | | | |
| Ball and rod mills | .. | 1,518,000 | .. | 2,167,000 |
| Classifiers | .. | 344,000 | .. | 224,000 |
| Crushers, jaw and gyratory | .. | 2,055,000 | .. | 1,548,000 |
| Hoists (mine hoists only) | .. | 1,024,000 | .. | 629,000 |
| Mine cars | 142 | 418,000 | 116 | 339,000 |
| Skips and cages | .. | 381,000 | .. | 188,000 |
| All other mining and ore processing machinery, including agitators, coal cutting machines, filters, flotation machines, screens, thickeners, etc. and parts | ... | 13,319,000 | ... | 10,248,000 |
| Construction, excavating, dredging and loading equipment: | | | | |
| Power excavators (power shovels) | 237 | 8,349,000 | 142 | 5,779,000 |
| Bulldozing, angle-dozing and similar equipment | .. | 244,000 | .. | 361,000 |
| Scrapers and pull or push type graders | .. | 52,000 | .. | 70,000 |
| Graders, self-propelled type | 230 | 3,963,000 | 210 | 3,629,000 |
| Snow ploughs | .. | 1,286,000 | .. | 1,569,000 |
| Concrete mixer-agitators, truck type | 358 | 2,119,000 | 235 | 1,548,000 |
| Concrete, plaster and mortar mixers, other | 3,632 | 478,000 | 2,856 | 726,000 |

See footnotes and end of table.

TABLE 5. Factory Shipments of Miscellaneous Machinery and Equipment, 1960
(from All Industries) — Continued

| Item | 1959 | | 1960 | |
|---|------------------|----------------------------|------------------|----------------------------|
| | Quantity shipped | Value of factory shipments | Quantity shipped | Value of factory shipments |
| | No. | \$ | No. | \$ |
| Construction, excavating, dredging and loading equipment—Concluded: | | | | |
| Other mixing and paving equipment (concrete and bituminous) | .. | 1,561,000 | .. | 1,362,000 |
| Other construction machinery, including pneumatic hammers, demountable scaffolding etc. and parts | ... | 3,214,000 | ... | 5,660,000 |
| Other excavating machinery and parts | ... | 6,609,000 | ... | 5,452,000 |
| Other road and airport construction and maintenance machinery, including snow blowers, flushers, etc. and parts | ... | 2,828,000 | ... | 2,692,000 |
| Engines (excluding aircraft and automobile types): | | | | |
| Turbines, hydraulic and steam | .. | 17,884,000 | .. | 11,142,000 |
| Diesel | 212 | 8,844,000 | 67 | 3,274,000 |
| Gasoline, including outboard, industrial, etc. | 89,440 | 17,795,000 | 77,232 | 16,776,000 |
| Engine parts: | | | | |
| For diesel engines | ... | 834,000 | ... | 883,000 |
| For gasoline engines | ... | 1,867,000 | ... | 1,013,000 |
| For marine engines | ... | 2,501,000 | ... | 2,849,000 |
| Fire-fighting equipment: | | | | |
| Pumpers | 50 | 848,000 | 44 | 754,000 |
| Other fire-fighting equipment, including hose trucks, ladder trucks, etc. | ... | 2,603,000 | ... | 4,286,000 |
| Food products machinery (including beverages and tobacco) machinery: | | | | |
| Bakers' machinery: | | | | |
| Mixing machines | 657 | 723,000 | 745 | 868,000 |
| Ovens | 146 | 695,000 | 143 | 784,000 |
| Other bakers' machinery and parts | ... | 644,000 | ... | 653,000 |
| Dairy and milk products plant machinery, excluding milking machines | ... | 1,653,000 | ... | 1,745,000 |
| Flour and grist mill machinery | ... | 371,000 | ... | 636,000 |
| Other food products machinery and parts, including milking machines | ... | 2,370,000 | ... | 2,210,000 |
| Foundry equipment | ... | 430,000 | ... | 950,000 |
| Metal-working machinery: | | | | |
| Machine tools, metal-working: | | | | |
| Boring machines | 2 | 2 | 2 | 2 |
| Drilling machines | 2 | 2 | 2 | 2 |
| Grinding machines and grinders | 133 | 340,000 | 54 | 126,000 |
| Lathes, engine and turret | 111 | 706,000 | 124 | 575,000 |
| Milling machines | 2 | 2 | 2 | 2 |
| Presses | .. | 1,610,000 | .. | 2,226,000 |
| Punching machines | 2 | 2 | 2 | 2 |
| Rolls, bending and straightening | 618 | 274,000 | 2 | 2 |
| Shapers | 2 | 2 | 2 | 2 |
| Shearing machines | 227 | 144,000 | 2 | 2 |
| Other machine tools | ... | 1,450,000 | ... | 2,589,000 |
| Machine tool parts and accessories | ... | 1,455,000 | ... | 896,000 |
| Metal-working machinery (except machine tools), including rolling mill machinery | ... | 4,880,000 | ... | 12,275,000 |
| Printing and bookbinding machinery and parts | 3 | 3 | 3 | 3 |
| Pulp and paper industries machinery and parts | ... | 18,121,000 | ... | 28,541,000 |
| Service industry equipment (including vending machines): | | | | |
| Commercial laundry and dry cleaning equipment | .. | 1,645,000 | .. | 1,740,000 |
| Vending machines | .. | 163,000 | .. | 184,000 |
| Service station and garage equipment: | | | | |
| Auto lifts | 2,356 | 1,587,000 | 2,237 | 1,603,000 |
| Gasoline-dispensing pumps | 9,496 | 4,706,000 | 8,534 | 4,241,000 |
| Other garage equipment | .. | 805,000 | .. | 764,000 |
| Other service industry machinery | .. | 3,186,000 | .. | 3,538,000 |
| Ships' machinery and fittings (except winches) | .. | 3,602,000 | .. | 5,191,000 |
| Textile industries machinery and parts | .. | 144,000 | .. | 150,000 |

See footnotes at end of table.

TABLE 5. Factory Shipments of Miscellaneous Machinery and Equipment, 1960
(from All Industries) — Concluded

| Item | 1959 | | 1960 | |
|--|------------------|----------------------------|------------------|----------------------------|
| | Quantity shipped | Value of factory shipments | Quantity shipped | Value of factory shipments |
| | No. | \$ | No. | \$ |
| Transmission equipment and bearings: | | | | |
| Bearings, ball and roller, and parts | .. | 15,961,000 | .. | 15,745,000 |
| Cut tooth and cast tooth gears | .. | 2,201,000 | .. | 2,404,000 |
| Flexible couplings | .. | 429,000 | .. | 614,000 |
| Pulleys | .. | 562,000 | .. | 558,000 |
| Sprocket chain and drive chain | .. | 1,822,000 | .. | 1,966,000 |
| Speed reducer units | .. | 2,210,000 | .. | 2,529,000 |
| Other transmission machinery and parts | .. | 4,345,000 | .. | 5,441,000 |
| Water and sewage treatment equipment: | | | | |
| Domestic water softeners | 15,263 | 1,779,000 | 26,041 | 3,579,000 |
| Other water and sewage treatment equipment and parts | .. | 3,409,000 | .. | 4,173,000 |
| Woodworking machinery (excluding power driven hand tools and home workshop tools): | | | | |
| Band sawing machines | 4 | 4 | 4 | 4 |
| Moulders | 4 | 4 | 4 | 4 |
| Planers | 31 | 134,000 | 76 | 92,000 |
| Rip and cross cut saws | 4 | 4 | 4 | 4 |
| Tenoners | — | — | 4 | 4 |
| Other woodworking machinery and parts | ... | 1,261,000 | ... | 1,531,000 |
| General purpose industrial machinery: | | | | |
| Wrapping and packaging machinery and parts | .. | 1,291,000 | .. | 1,731,000 |
| Crushing, pulverizing, scouring and mixing machinery and parts | 5 | 5 | 5 | 5 |
| Other general purpose industrial machinery and parts | .. | 10,006,000 | .. | 5,922,000 |
| Ventilating, exhaust and dust-collecting equipment | .. | 9,882,000 | .. | 11,866,000 |
| Special industry machinery: | | | | |
| Rubber-working machinery | .. | 1,565,000 | .. | 1,681,000 |
| Cement mill machinery | .. | 218,000 | .. | 2,572,000 |
| Saw-mill machinery, including lumber handling equipment | .. | 4,052,000 | .. | 3,996,000 |
| Logging machinery | .. | 1,767,000 | .. | 1,708,000 |
| Grain elevator machinery | .. | 1,479,000 | .. | 1,506,000 |
| Other special industry machinery and parts | .. | 7,899,000 | .. | 6,223,000 |
| Welding machinery, electric | ... | 4,276,000 | .. | 3,826,000 |
| Miscellaneous machinery: | | | | |
| Blowers for domestic furnaces | 212,813 | 2,556,000 | 151,834 | 1,923,000 |
| Gas burners: | | | | |
| Residential | 7,224 | 757,000 | 7,285 | 685,000 |
| Commercial and industrial | .. | .. | 1,100 | 365,000 |
| Lawn mowers: | | | | |
| Hand | 2,534 | 37,000 | 1,998 | 28,000 |
| Power | 107,986 | 4,628,000 | 136,139 | 5,903,000 |
| Oil burners, power: | | | | |
| Domestic | 105,097 | 7,730,000 | 95,933 | 6,739,000 |
| Commercial and industrial | 3,509 | 1,262,000 | 5,229 | 1,104,000 |
| Power tools, hobby and home workshop | ... | 4,001,000 | ... | 4,157,000 |
| Saws, power chain, and parts | ... | 8,596,000 | ... | 11,720,000 |
| Stokers: | | | | |
| Domestic | 1,190 | 264,000 | 626 | 248,000 |
| Commercial and industrial | 430 | 870,000 | 330 | 787,000 |
| All other machinery and parts, not separately specified | ... | 24,040,000 | ... | 42,487,000 |
| Totals | ... | 392,712,000 | ... | 426,088,000 |

¹ Included with "Other rock drilling, earth boring and related machinery and parts".

² Included with "Other machine tools" to avoid disclosure of individual firms.

³ Included with "Other special industry machinery and parts".

⁴ Included in "Other woodworking machinery" to avoid disclosure of individual firms.

⁵ Included with "Other machinery and parts".

Note: The following groups of items are no longer included in this table but are included in the catalogues indicated:

| | Catalogue number |
|--|------------------|
| Refrigeration and Air Conditioning Equipment | 42-215 |
| Office Store and Business Machinery | 42-216 |
| Small Electrical Appliances | 43-203 |
| Household Machinery and Parts | 43-204 |
| Electrical Machinery | 43-207 |

TABLE 6. Principal Statistics classified according to Type of Ownership: Miscellaneous Machinery and Equipment Manufacturers, 1957 and 1960

| Type | Estab- lish- ments | Em- ployees | Salaries and wages | Cost at plant of materials used | Value of factory shipments |
|------------------------------|--------------------------|----------------|--------------------------|--|----------------------------------|
| | number | | dollars | | |
| 1957 | | | | | |
| Individual ownership | 35 | 294 | 921,572 | 842,966 | 2,240,388 |
| Partnerships | 14 | 360 | 1,407,752 | 4,118,558 | 6,581,033 |
| Incorporated companies | 331 | 30,190 | 120,622,418 | 168,289,591 | 394,694,912 |
| Totals | 380 | 30,844 | 122,951,742 | 173,251,115 | 403,516,333 |
| 1960 | | | | | |
| Individual ownership | 23 | 139 | 381,834 | 389,442 | 962,487 |
| Partnerships | 15 | 392 | 1,647,230 | 5,474,376 | 9,244,853 |
| Incorporated companies | 371 | 27,075 | 121,763,059 | 168,493,591 | 383,724,662 |
| Totals | 409 | 27,606 | 123,792,123 | 174,357,409 | 393,932,002 |

TABLE 7. Principal Statistics grouped according to Selling Value of Factory Shipments: Miscellaneous Machinery and Equipment Manufacturers, 1957 and 1960

| Establishments reporting factory shipments | Estab- lish- ments | Em- ployees | Salaries and wages | Cost at plant of materials used | Value of factory shipments |
|---|--------------------------|----------------|--------------------------|--|----------------------------------|
| | number | | dollars | | |
| 1957 | | | | | |
| Under \$10,000 | 11 | 15 | 20,487 | 12,288 | 42,621 |
| \$ 10,000 to \$ 24,999 | 17 | 62 | 134,481 | 83,662 | 261,685 |
| 25,000 " 49,999 | 33 | 212 | 547,500 | 449,377 | 1,233,963 |
| 50,000 " 99,999 | 34 | 341 | 1,084,416 | 945,083 | 2,559,820 |
| 100,000 " 199,999 | 71 | 957 | 3,585,613 | 4,179,963 | 10,032,133 |
| 200,000 " 499,999 | 69 | 1,926 | 7,375,867 | 8,722,538 | 21,106,987 |
| 500,000 " 999,999 | 53 | 3,029 | 11,919,263 | 19,176,180 | 39,912,829 |
| 1,000,000 " 1,999,999 | 78 | 13,198 | 52,870,966 | 77,209,580 | 172,734,029 |
| 5,000,000 and over | 14 | 11,095 | 45,356,332 | 62,472,444 | 155,632,266 |
| Head offices | | 9 | 56,817 | | |
| Totals | 380 | 30,844 | 122,951,742 | 173,251,115 | 403,516,333 |
| 1960 | | | | | |
| Under \$10,000 | 11 | 12 | 26,945 | 14,693 | 58,493 |
| \$ 10,000 to \$ 24,999 | 23 | 70 | 171,514 | 154,994 | 391,047 |
| 25,000 " 49,999 | 24 | 115 | 365,277 | 394,446 | 935,567 |
| 50,000 " 99,999 | 47 | 386 | 1,390,536 | 1,339,930 | 3,556,589 |
| 100,000 " 199,999 | 65 | 922 | 3,450,811 | 3,532,028 | 9,414,550 |
| 200,000 " 499,999 | 79 | 2,031 | 8,743,674 | 10,947,237 | 24,673,953 |
| 500,000 " 999,999 | 66 | 3,783 | 16,988,874 | 21,181,201 | 49,336,348 |
| 1,000,000 " 4,999,999 | 83 | 12,485 | 55,493,191 | 84,372,439 | 182,248,771 |
| 5,000,000 and over | 11 | 7,793 | 37,114,653 | 52,420,441 | 123,316,684 |
| Head offices | | 9 | 46,648 | | |
| Totals | 409 | 27,606 | 123,792,123 | 174,357,409 | 393,932,002 |

TABLE 8. Employees and their Earnings: Miscellaneous Machinery and Equipment Manufacturers, 1959 and 1960

| Province | Employees | | | | | Earnings | | |
|--------------------------------------|------------------------|--------|--------------------------------|--------|-----------------|------------------------|--------------------------------|----------------|
| | Supervisory and office | | Production and related workers | | Total employees | Supervisory and office | Production and related workers | Total earnings |
| | Male | Female | Male | Female | | | | |
| | number | | | | | dollars | | |
| 1959 | | | | | | | | |
| Newfoundland and New Brunswick | 14 | 5 | 67 | 1 | 87 | 141,047 | 232,824 | 373,871 |
| Nova Scotia | 20 | 7 | 171 | — | 198 | 119,867 | 589,247 | 709,114 |
| Quebec | 2,040 | 571 | 4,205 | 59 | 6,875 | 11,732,013 | 16,308,101 | 28,040,114 |
| Ontario | 4,457 | 1,657 | 11,233 | 650 | 17,997 | 30,712,365 | 49,324,598 | 80,036,963 |
| Manitoba | 97 | 37 | 314 | 17 | 465 | 666,701 | 1,164,345 | 1,831,046 |
| Saskatchewan | 16 | 12 | 104 | — | 134 | 114,146 | 370,220 | 484,366 |
| Alberta | 13 | 10 | 66 | 5 | 94 | 92,469 | 276,026 | 368,495 |
| British Columbia | 365 | 97 | 1,065 | 30 | 1,557 | 2,475,954 | 4,684,196 | 7,160,150 |
| Canada | 7,024 | 2,396 | 17,225 | 762 | 27,407 | 46,054,562 | 72,949,557 | 119,004,119 |
| 1960 | | | | | | | | |
| Newfoundland and New Brunswick | 11 | 4 | 53 | 1 | 69 | 91,888 | 200,783 | 292,671 |
| Nova Scotia | 26 | 10 | 253 | — | 289 | 176,973 | 897,004 | 1,073,977 |
| Quebec | 2,062 | 603 | 4,524 | 63 | 7,252 | 13,017,044 | 18,295,661 | 31,312,705 |
| Ontario | 4,497 | 1,621 | 10,888 | 572 | 17,578 | 32,325,987 | 47,930,365 | 80,256,352 |
| Manitoba | 130 | 38 | 329 | 17 | 514 | 867,849 | 1,286,896 | 2,154,745 |
| Saskatchewan | 16 | 8 | 84 | — | 108 | 104,022 | 305,978 | 410,000 |
| Alberta | 40 | 23 | 170 | 8 | 241 | 250,884 | 719,591 | 970,475 |
| British Columbia | 344 | 95 | 1,089 | 27 | 1,555 | 2,444,196 | 4,877,002 | 7,321,198 |
| Canada | 7,126 | 2,402 | 17,390 | 688 | 27,606 | 49,278,843 | 74,513,280 | 123,792,123 |

TABLE 9. Production Workers, by Months: Miscellaneous Machinery and Equipment Manufacturers, 1960

| Month | Establishments reporting monthly detail ¹ | |
|---|--|--------|
| | Male | Female |
| January | 15,925 | 693 |
| February | 16,093 | 702 |
| March | 16,537 | 704 |
| April | 16,320 | 687 |
| May | 16,429 | 707 |
| June | 16,327 | 689 |
| July | 15,891 | 648 |
| August | 15,952 | 644 |
| September | 15,442 | 607 |
| October | 15,133 | 629 |
| November | 14,817 | 630 |
| December | 14,457 | 598 |
| Average for establishments reporting monthly detail | 15,777 | 662 |
| Average estimated for small establishments ² | 1,606 | 26 |
| Average for all establishments | 17,383 | 688 |

¹ The number of production workers, by months, was collected only for larger establishments.² Small establishments were not asked to report details of employment.

TABLE 10. Fuel and Electricity Used: Miscellaneous Machinery and Equipment Manufacturers, 1960

| Kind | Quantity | Cost at plant |
|---|-------------|---------------|
| | | \$ |
| 1. Establishments reporting commodity detail: ¹ | | |
| Bituminous coal: | | |
| (a) From Canadian mines..... ton | 1,498 | 22,488 |
| (b) Imported " | 20,068 | 239,867 |
| Sub-bituminous coal (from Alberta mines only) | 462 | 2,854 |
| Anthracite coal | 9,460 | 118,141 |
| Coke | 1,552 | 25,076 |
| Gasoline (including gasoline used in cars and trucks)..... Imp. gal. | 890,220 | 344,879 |
| Fuel oil including kerosene or coal oil..... " | 7,437,686 | 863,107 |
| Wood cord | 67 | 758 |
| Gas: | | |
| (a) Liquefied petroleum gases Imp. gal. | 91,364 | 36,628 |
| (b) Other manufactured gas M cu. ft. | 1,399 | 1,502 |
| (c) Natural gas " | 495,130 | 361,215 |
| Other fuel..... | ... | 12,079 |
| Electricity purchased kwh. | 152,655,705 | 1,745,661 |
| Steam purchased | ... | 66,576 |
| 2. Estimate for establishments for which no data were collected: ² | | |
| Cost of fuel and electricity | ... | 407,761 |
| 3. All establishments: | | |
| Total cost of fuel and electricity | ... | 4,248,592 |

¹ Establishments generally reporting value of factory shipments of \$300,000 and over.

² Establishments generally reporting value of factory shipments of less than \$300,000.

Directory of Firms: Miscellaneous Machinery and Equipment Manufacturers, 1960

| Name of firm | Location of plant |
|---|--|
| Newfoundland: | |
| Barnes E.F. Ltd. | 26 Water St., John's |
| Nova Scotia: | |
| Acadia Gas Engines, Limited | King St., Bridgewater |
| Chisholm Industries Ltd. | 216 Stellarton Road, New Glasgow |
| Dominion Steel & Coal Corp. Ltd., Trenton Industries Div. | Main St., Trenton |
| Hawboldt Gas Engines Ltd. | Chester |
| Oxford Foundry and Machine Company, Limited | Foundry St., Oxford |
| New Brunswick: | |
| Lauder, Rudolph W. | Hillsborough |
| Northern Machine Works Limited | Main St., Bathurst |
| Quebec: | |
| American Air Filter of Canada Ltd. | 400 Stinson Blvd., Montreal 9 |
| Ashworth Card Clothing Co. Limited | 316 St. Hubert St., Granby |
| Autostair Limited | 1395 Raymond Ave., St. Hyacinthe |
| Blane Wm., Mfg. Co., Ltd. | 270 Queen St., Montreal |
| Blanchette, R.E.L. Enr. | 1440 Blvd. Mercure, Drummondville |
| Braidwood, John, and Sons, Limited | 66 Nazareth St., Montreal |
| Canadian Allis-Chalmers Ltd. | 125 St. Joseph St., Lachine |
| Canadian Ingersoll-Rand Company, Limited | 375 Courcellette St., Sherbrooke |
| Cement Block & Machinery Supply Reg'd. | 227, rue Royal, Sorel |
| Cowan Dynamics Limited | 105 Union St., Ville St. Pierre |
| Cote Bros. & Burlitt Ltd. | 1280 Conde St., Montreal |
| Cote, Jos., Inc. | St. Ephrem |
| Darling Bros. Ltd. | 140 Prince St., Montreal |
| Dominion Engineering Works, Limited | 1st. Ave., Lachine |
| Fillion & Fils Ltée. | 3370 Blvd. St. Anne, Giffard |
| Forano Limited | St. Paul St., Plessisville |
| Gardner Steel Ltd. | 98-14th St., Noranda |
| General Mfg. Co. Ltd. | 1030 Lafontaine St., Drummondville |
| Glass Sterilizers Limited | 5886 Papineau, Montreal |
| Griswold Engineering Limited | 146 Bates Road, Montreal |
| Gusselin, J.A., Co. Limited | 301 Hébert St., Drummondville |
| Hall Machinery of Canada Ltd. | 124 Grand Fourches St., S., Sherbrooke |
| Hardy, Eugène & Frères Ltée | St. Casimir, Portneuf |
| Har-Pur Products Ltd. | 146-14th St., Noranda |
| Harrington Tool & Die Company Ltd. | 735-755-1st. Ave., Lachine |
| Hollinger Machine Co. Ltd. | 9800 St. Urbain St., Montreal |
| Hooper, S.W. & Co. Ltd. | Galt & Belvedere Sts., Sherbrooke |
| Hydraulic Machinery Co. Ltd. | 1243 Dorion St., Montreal |
| Ideal Poultry Equipment Reg'd | St. Felix de Valois |
| Jeffry Mfg. Co. Limited | 300 St. Patrick St., Ville La Salle |
| L'Air Liquide | 2269 Viau St., Montreal |
| La Compagnie F.X. Drolet | 245 Dupont St., Quebec |
| La Fonderie St. Anselme Ltée | St. Anselme Station |
| La Fonderie Trotter Inc. | St. Casimir |
| Lalonde, The Frank P. Ltd. | 5977 New Metropolitan Blvd., Pointe Claire |
| La Machinerie Omega Ltd. | 390 Mondor, St. Hyacinthe |
| Machinerie Etchemin Enrg. | 23 rue Jacques-Cartier, St-Romuald, Lévis |
| Wankinson Winchester Co. | 2287 Bois Franc., St. Laurent |
| Midland-Ross of Canada Ltd. | 304 St. Patrick St., Ville La Salle |
| Mineral Reduction Corporation | 645 Montée Liesse, St. Laurent |
| Montreal Gear Works Ltd. | 3425 Montgomery St., Montreal 34 |
| Matthew Moody & Sons Ltd. | Terrebonne |
| Munroe Engineering Limited | 2454 Des Carrières St., Montreal |
| Nagle Elevator Company, Inc. | 1085 Chenneville St., Montreal |
| National Electric Refrigerator Ltd. | Montmagny |
| N.C. Refrigeration & Store Fixtures Reg'd. | 1795 Hindland, Ville Jacques Cartier |
| Paquin, Alph. & Fils | 568 rue St-Antoine, Joliette |
| Pantex Manufacturing (Canada) Ltd. | 5653 Pare St., Montreal |
| Peltier Handling Equipment Company, Limited | 4285 Notre Dame E., Montreal 4 |
| Pneumatic & Hydraulic Co. Ltd. | 647 Vitre St. W., Montreal |
| Poitras, Jos., et Fils Ltée | L'Isletville |
| Pulp & Paper Mill Accessories, Limited | 6139 Cote de Liesse Rd., St. Laurent |
| Rack Industries of Canada Ltd. | Normandy Blvd., Farnham |
| Ross Engineering of Canada Limited | 304 St. Patrick St., Ville La Salle |
| Sandvik Canadian Ltd. | P.O. Drawer 1335 Station O. Montreal 9 |
| Sherbrooke Machineries, Limited | 800 Randrill St., Sherbrooke |
| Southern Industries, Limited | 391 Théberge St., Marieville |
| St. Pierre G.E., & Fils Ltée | St. Germain de Grantham |
| Tardif, Armand Cie Ltée | 5292 Royale, Boischatel |
| Technical Accessories Limited | 5595 Fiumi St., Montreal 36 |
| Thibault, Pierre Canada Ltée | Pierreville |
| Terry Machinery Company Ltd. | 1240 Laurentian Blvd., Montreal 9 |
| United Shoe Machinery Company of Canada, Ltd. | 2610 Bennett Ave., Montreal |
| Vessot, S., Co. Limitée | 603 Querbes Blvd. Joliette |
| Vincent, Hector | St. Valerien |
| Wilson Machine Company, Limited | 161 Nazareth St., Montreal |
| Ontario: | |
| Adams, J.D., Limited | Adams Ave. and Spruce St., Paris |
| Airetool Canada Ltd. | 37 Spalding Drive, Brantford |
| Air Filter Service & Supply Co. Ltd. | 34-36 Crockford Blvd., Scarborough |
| Albany Pump Company | 840 King St., Toronto 2 B |
| American Can Company | Lewis St., Niagara Falls |

Directory of Firms: Miscellaneous Machinery and Equipment Manufacturers, 1960 — Continued

| Name of firm | Location of plant |
|---|------------------------------------|
| Ontario — Continued: | |
| American Standard Products (Canada) Ltd. | 310 Ellis St., East Windsor |
| Anderson, J.W. Co. Ltd. | Head St., Dundas |
| Arcan Eastern Limited | Reid & Dunsmure, Hamilton |
| Armstrong Bros. Engineering Co. Ltd. | 136 Adelaide St. W., Toronto 1 |
| Armstrong, S.A., Limited | 1400 O'Connor Drive, Toronto 16 |
| Ashton Press Mfg. Co. Ltd. | Highway 15, Bells Corners |
| Atlas Engineering and Machine Company Limited | 16 Eastern Ave., Toronto 2 |
| B. & K. Roller Die Co. Ltd. | 164 Evans Ave., Toronto |
| B.L.M. Automatic Clutch Corp. of Canada Ltd. | 28 Covert St., Cobourg |
| Baer Elevator Supplies Limited | 50 Pearl St., Toronto 1 |
| Barber, Chas., & Sons | Bayfield St., Meaford |
| Barber—Greene Canada Limited | Barber—Greene Rd., Don Mills |
| Bata Engineering Div. of Bata Shoe Co. of Canada Ltd. | Batawa |
| Bauer Bros. Co. (Canada) Ltd. | 192 Mary St., Brantford |
| Beckett Elevator Ltd. | 83 Pape Ave., Toronto 8 |
| Belsinger Industries Ltd. | 16 Victoria St. N., Kitchener |
| Bertram, John & Sons Co. Ltd. | 15 Hatt St., Dundas |
| Bettger Industries Ltd. | 649 Ontario St., Stratford |
| Black & Decker Mfg. Co. Ltd. | Perth Road, Brockville |
| Blakeslee & Co. Ltd. | 18 Crantle Rd., Toronto 16 |
| Blow Press Ltd. | 153 Bower Ave., Acton |
| Bowser, S.F., Company, Limited | 344 Sherman Ave. N., Hamilton |
| Brantford Oven and Rack Company, Limited | 40 Clarence St., Brantford |
| Brewes Electric | 127 Rawleigh, Toronto 13 |
| Bridgewater Machine Co. (Canada) Ltd. | 205 Mary St., Brantford |
| Brown—Boggs Foundry-Machine Co. | 275 Sherman Ave. N., Hamilton |
| Brown Flintube (Canada) Ltd. | 95 Woodworth Ave., St. Thomas |
| Brunner Corporation (Canada) Limited | Peter St., Port Hope |
| Buckman Saw Grinder Mfg. Co. | Fort Erie |
| Bucyrus-Erie Co. of Canada, Ltd. | 200 Woodlawn Road, Guelph |
| Burnside, Harry | 442 King St. W., Toronto 2B |
| Byron Jackson of Canada Ltd. | 23 Bertrand Ave., Scarboro |
| C.L.C. Machinery Co. | 196-8 Grant Ave., Hamilton |
| Campbell Machinery Ltd. | 399 Breithaupt St., Kitchener |
| Canadian Baker & Perkins Ltd. | Hanson Road, Brampton |
| Canadian Bird Equipment Ltd. | 270 Sherman Ave. N., Hamilton |
| Canadian Beaver Co. Ltd. | 993 Eastern Ave., Toronto |
| Canadian Blower & Forge Co. Ltd. | 90 Woodside Ave., Kitchener |
| Canadian Clark Ltd. | 1195 Talbot St. East, St. Thomas |
| Canadian Koebel Diamond Tools Ltd. | 18th St. & Towns Rd., Toronto 14 |
| Canadian Laundry Machine Co. Ltd. | 47-93 Stirling Rd., Toronto 3 |
| Canadian Longyear, Limited | 1111 Main St. W., North Bay |
| Canadian Mechanical Handling Systems Ltd. | 3380 Marentette Ave., Windsor |
| Canadian Mines Equipment Company, Limited | 596 Hamilton Road, London |
| Canadian Monorail Co. Ltd. | 151 Water St. S., Galt |
| Canadian Pneumatic Tool Co. Ltd. | 198 Evans Ave., Toronto 14 |
| Canadian S.K.P. Co. Ltd. | 2201 Eglinton Ave. E., Scarborough |
| Canadian Westinghouse Co. Ltd. (Stontevant Div.) | Middleton St. Galt |
| Canada Machinery Corporation Ltd. | 19 Concession St. Galt |
| Canners' Machinery, Limited | Wellington Heights, Simcoe |
| Clematic Ltd. | 7 Raleigh Ave., Scarborough |
| Clark Bros. Machine Co. Ltd. | 160 Duke St. Toronto |
| Clarke, D.R., Engine Co. Ltd. | 2462 Dufferin St., Toronto |
| Climax Baler Company, Limited | 43-53 Burton St., Hamilton |
| C-Pak Machine Ltd. | 2352 Midland Ave., Agincourt |
| Coates James D. Ltd. | 181 Stirling Rd., Toronto |
| Cochrane Water Conditioning Ltd. | 1355 Martin Grove Rd., Rexdale |
| Continental Motors of Canada Limited | Gaylord Road, St. Thomas |
| Cooper-Chapman Ltd. | 153 Rivalda Rd., Weston |
| Crane Carrier Canada Ltd. | 3 Parnell Ave., Toronto 13 |
| Crown Controls Mfg., Ltd. | 139 Dundas St., Kitchener |
| Craig Bit Co. Ltd. The | 180-9th St., North Bay |
| Crothers Mfg. Ltd. | 772 Warden Ave., Scarborough |
| Cyr, R.J., Co. | 1263 McDougall St., Windsor |
| Dalby Machine Shop | 45 Forsythe St. S., Oakville |
| Darrigo Bros. Mfg. & Sales | 37 Church St., Toronto 1 |
| David Brown-Foote Gears Ltd. | 26 Howden Rd., Scarborough |
| Day Co. of Canada Ltd. The | N. Vickers St., Fort William |
| Delhi Industries | 553 James St., Delhi |
| Delamere & Williams Company, Limited | 35 Carson St., Toronto 14 |
| Dept. of Transport, Marine Services Branch | King St. W., Prescott |
| De Vilbiss (Canada) Ltd. | Wood St., Barrie |
| Dillon, Thomas A., Limited | 2775 Dufferin St., Toronto 10 |
| Docolco Limited | 15 Oakland Ave., Weston |
| Dodge Mfg. Division of United Steel Corp. Ltd. | 58 Pelham Ave., Toronto 9 |
| Domestic Electric Co. | 272 Church St., Toronto 2 |
| Dominion Road Machinery Company, Limited | Maitland Road, Goderich |
| Dominion Rubber Company, Limited | Glasgow St., Kitchener |
| Don Transmission & Conveyors, Ltd. | 65 Crockford Blvd., Toronto |
| Dorr-Oliver-Long Limited | 174 West St. S., Orillia |
| Douglas, Brown & Campbell, Limited | Melbourne |
| Emerson—Pryne of Canada Limited | 550 Hopewell Ave., Toronto 10 |
| Epps, Manufacturing Ltd., (C.H.) | Clinton |
| Erie Iron Works | 99-101 Elmwood Ave., Galt |
| Excello Corporation of Canada Ltd. | 120 Weston Rd., London |
| Factory Equipment, Ltd. | Berezy St., Aurora |
| Fastcut Bits Limited | Lakeshore Road, Ferris |
| Fine Pitch Gears Limited | 10 Sunrise Ave., Toronto |
| Fischer Bearings Mfg. Ltd. | Ontario St., Stratford |
| Fisher Gauge Works, Ltd. | 194 Sophia St., Peterborough |
| Fleck, The Alexander, Ltd. | 75 Spencer St., Ottawa 3 |
| Flemming Motors Ltd. | 108 Elmwood Ave., Galt |

Directory of Firms: Miscellaneous Machinery and Equipment Manufacturers, 1960 - Continued

| Name of firm | Location of plant |
|---|--|
| Ontario - Continued: | |
| Fluid Power Ltd. | 15-21 Alpine Ave., Toronto 9 |
| Ford-Smith Machine Co. Ltd., The | 925 Barton St. E., Hamilton |
| Fraser, Kenneth S., Co. Ltd. (Industrial Truck Div.) | 960 Eastern Ave., Toronto 8 |
| Gardner-Denver Co. (Canada) Ltd. | Dundas St., Woodstock |
| Gardner Steel Ltd. | Clarkson |
| General Conveyor Co. Ltd. | 126 Willowdale St., Willowdale |
| Gilbert and Barker Manufacturing Company, Limited | 64 Jefferson Ave., Toronto 3 |
| Gorman-Kupp of Canada Ltd. | 70 Borwell Rd., St. Thomas |
| Greey Mixing Equipment, Ltd. | 100 Miranda Ave., Toronto 10 |
| Grover Pneumatic Tubes (Canada) Ltd. | 1713 Moy Ave., Windsor |
| Hamilton Gear and Machine Company Ltd. | 950 Dupont St., Toronto 4 |
| Hamman Car & Engineering Ltd. | 29 Dunbar Ave., Hamilton |
| Hastings Machine Tools Ltd. | 600 Montrose Road, Niagara Falls |
| Heath and Sherwood Limited | 6 Duncan Ave., Kirkland Lake |
| Hein-Werner of Canada Limited | Fairall St., Ajax |
| Hi-Lo Equipment (Canada) Limited | 4242 Duniap St. W., Toronto |
| Hobart Mfg. Co. Ltd., The | 175 George St., Toronto 2 |
| Howden, James & Co. of Canada Ltd. | 1510 Birch Mount Road, Scarborough |
| Hubbard Portable Oven Co. of Canada, Ltd. | 154 Duke St., Toronto 2 |
| Humifilter Manufacturing Ltd. | Head St., Dundas |
| Hydralift Ltd. | 21 London St., Sault Ste Marie |
| John Inglis Co. Ltd. (General Engineering Div.) | 14 Strachan Ave., Toronto 3 |
| Iroquois Equipment Limited | 45 Torbarrie Road, Downsview |
| Involute Gear Co. | 321 Howland Ave., Toronto 4 |
| J.M.G. Manufacturing Co. Limited | Thornbury |
| Jacuzzi Universal (Canada) Ltd. | Rexdale |
| Jaeger Machine Co. of Canada Ltd. | Gaylord Rd., St. Thomas |
| Joy Manufacturing Company (Canada) Ltd. | 175 Beverly St., Galt |
| Kennedy, The William, & Sons, Ltd. | 1144-1st Ave. W., Owen Sound |
| King, G.W. of Canada, Ltd. | 937 Cumberland Ave., Burlington |
| King Seagrave, Limited | Young St., Woodstock |
| Kingsville Pump & Machine Co. Ltd. | Kingsville |
| Knowles Machinery Co. | 7 High St., London |
| Koehring-Waterous Ltd. | South Market St., Brantford |
| Komline-Sanderson Ltd. | 72 Orenda Rd., Brampton |
| La France Fire Engine and Foamite, Limited | 60 Coronet Rd., Toronto |
| Lau Products Limited | 150 Borden Ave. S., Kitchener |
| Leeco Machine Products Ltd. | 69 Lauzon Rd., Riverside |
| Leitch, Arthur S., Company, Limited | 33 Torbarrie Rd., Downsview |
| Link-Belt Speeder (Canada) Ltd. | Highway # 2 East, Woodstock |
| Link-Belt Ltd. | 1960 Eglinton Ave. E., Scarborough |
| London Concrete Machinery & Rainbow Irrigation Systems | Corner Cabell & Kitchener Ave., London |
| Mahaffy Iron Works Company, Ltd. | 145 Kendal Ave., Toronto 4 |
| Maincast-H.M. & Sons Ltd. | Bay Shore Road E., Owen Sound |
| Manford Machinery & Equipment | Highway 33, Collins Bay |
| Mathews Conveyor Company, Limited | Cobourg Rd., Port Hope |
| McCulloch of Canada Limited | 25 McCulloch St., Rexdale |
| McCrae John, Machine & Foundry Co. Ltd. | Lindsay |
| McDonald, K.R. Knitting Machine | 45 Market St., Georgetown |
| McDougall, The R. Co. Div., Upton-Brodieu & James, Ltd. | 50 Chapman St., Galt |
| McIntyre Industries (London) Ltd. | 82 Dundas St., London |
| McInnis, C.H., Company Limited | 2500 Central Ave., Windsor |
| McKechnie, James A., Limited | 61 Raleigh Ave., Toronto 13 |
| McLachlan, John, Foundry | Laidlaw St. N., Cannington |
| Meaford Steel Products Ltd. | Marshall St., Meaford |
| Mefab Products | 1016 Speers Road, Oakville |
| Midland Foundry & Machine Co. Ltd. | 174 Manley St., Midland |
| Minoque, R.J. & Co. Ltd. | 1399 Hammond St., North Bay |
| Montgomery Elevator Co. Ltd. | 365 Olivewood Rd., Toronto |
| Moore Dry Kiln Co. of Canada Ltd. | Pleasant View Ave., Brampton |
| Morissette Mfg. & Sales Limited | Browning St., Haileybury |
| Morris, Herbert, Crane & Hoist Co., Limited | Stanley Ave., Niagara Falls |
| Morse Chain of Canada Ltd. | 385 Second Ave., Simcoe |
| Muirhead Fromson Ltd. | 65 Hymers Rd., Scarborough |
| Munroe Engineering Ltd. | Maxwell |
| Napanee Iron Works Limited | 51 Ann St., Napanee |
| National Equipment Company, Limited | 41 Wabash Ave., Toronto 3 |
| Neptune (Canada) Pump & Mfg. Co. Ltd. | Hughes Road, Orillia |
| Niagara Rock Bit Co. Ltd. | 25 Ripley Ave., Toronto 3 |
| Northcott-Morris Machine Co. | 182 Jarvis St., Toronto 2 |
| Northern Crane & Hoist Works Limited | 1428 Argyle Road, Windsor |
| Oil Well Supply Company, Limited | 4184 Robert St., Petrolia |
| Oshawa Machinery Co. | 597 Simcoe St. S., Oshawa |
| Otis Elevator Company, Limited | 414 Victoria Ave. N., Hamilton |
| Outboard Marine Corporation of Canada, Limited | 910 Monaghan Rd., Peterborough |
| Paasche Airbrush (Canada) Ltd. | 864 Pape Ave., Toronto |
| Packsack Diamond Drills Ltd. | 1385 Hammond, North Bay |
| Paramount Gear Works Ltd. | 1247 Lawrence Ave. W., Toronto 15 |
| Parkhill Machinery Co. Ltd. | Mill & Station Sts., Parkhill |
| Patterson Foundry & Machine Company (Canada) Ltd. | 250 Danforth Road, Scarborough |
| Peerless Machine & Tool Co. Ltd., The | 47-59 Duke St., Guelph |
| Pendrith Machinery Company, Limited | 775 King St. W., Toronto 2 B |
| Perrin, Wm. R., Limited | 530 King St. E., Toronto 2 |
| Phin Sales Co. | 26 Lipton Ave., Toronto 6 |
| Plowes-Jackson Engineering, Limited | 58 Fraser Ave., Toronto 3 |
| Pneuma-Serve Limited | 22 Dorchester Ave., Toronto |
| Power, C.J. Automatic Tools Ltd. | Ajax |
| Preston Woodworking Machinery Company, Ltd. | Railway St., Preston |
| Provincial Butchers Machinery Co. | 393 Arlington Ave., Toronto 10 |
| Provincial Engineering Limited | 674 Ferguson St., Niagara Falls |
| Pumps & Softeners, Limited | 680 Waterloo St., London |
| Rapistan Canada Ltd. | 888 Dupont St., Toronto |

Directory of Firms: Miscellaneous Machinery and Equipment Manufacturers, 1960 - Continued

| Name of firm | Location of plant |
|--|---|
| Ontario - Concluded: | |
| Reddy Elevator Co., Limited | 10 Sword St., Toronto |
| Reliance Pool & Die Casting Co. | 150 Edward St. Thomas |
| Remington Arms of Canada Ltd. | 36 Queen Elizabeth Blvd., Toronto 18 |
| Ren Chainbelt (Canada) Ltd. | 1181 Shepherd Ave. E., Willowdale |
| Retor Developments Ltd. | Argyle Rd., Galt |
| Richardson, C., and Company, Limited | Wellington St. S., St. Mary's |
| Roberts, F.W. Manufacturing Company of Canada, Limited | 473 Buttrey St., Niagara Falls |
| Robertson Hydraulic Machinery Ltd. | RR 3 Rouge Hills |
| Rock Drill Rod Co., Ltd. | 25 Edgar Ave., Toronto 15 |
| Roelefson Elevator Company, Limited | 5001 Dundas St. W., Toronto 18 |
| Rotary Lift Company | 337 Richmond St., Chatham |
| Sandy Road Equipment Limited | Victoria St., Goderich |
| Sanders, L.J.R. Engineering Co. Ltd. | 34-38 Ainslie St. S., Galt |
| Sass Manufacturing Co. Ltd. | RR # 4 Chatham |
| Scott Hydraulics-Pneumatics Ltd. | # 11 Highway N., North Bay |
| Shaft Machines Ltd. | 100 Adelaide St. W., Toronto |
| Shaw, Francis, (Canada) Ltd. | 1393 Grahams Lane, Burlington |
| Shearing Elbow Machinery | 16 Concession St. W., Tilsonburg |
| Sheldons Engineering Limited | 96 Grand Ave. S., Galt |
| Sheridan-Loach Ltd. | 106 Howden Rd., Scarborough |
| Simpson Bros. Machine Co. Ltd. | 4530 Kingston Road, West Hill |
| Skiltools Ltd. | 3601 Dundas St. W., Toronto |
| Smart-Turner Machine Company, Limited | 191 Barton St. E., Hamilton |
| Smit, J.K. & Sons of Canada Ltd. | 81 Tycos Drive, Toronto |
| Sovereign Water Conditioners of Can. Ltd. | 1244 Caledonia Rd., Toronto |
| Sta-Rite Pumps, (Canada) Ltd. | Fairall St., Ajax |
| Standard Modern Tool Co. Ltd. | 69 Montcalm Ave., Toronto 10 |
| Steam Marvel Company | 42 Camden St., Toronto |
| Stouffville Machine & Tool Works Ltd. | 101 Station St., Stouffville |
| Statmos Scale Mfg. Ltd. | 417 Birchmont Rd., Scarborough |
| St. Lawrence Engine Company, Limited | 10 St. Andrew St., Brockville |
| Stratford Machine & Tool Co. | 684 Ontario St., Stratford |
| Sparkler International, Ltd. | 1115 Castlefield Ave., Toronto 10 |
| Stephens-Adamson Mfg. Co. of Canada Ltd. | 30 Franklin St., Belleville |
| Stevens Company of Galt Ltd. | 12 Rose St., Galt |
| Sunnen Products Company Ltd. | 23 Grand Ave. E., Chatham |
| Sutton Tool & Die Mfg. Co. | 94 Grey St., Brantford |
| Tecalemit (Canada) Ltd. | Rexdale Blvd., Rexdale |
| Timberland Ellcot Limited | Devonshire Rd., Woodstock |
| Timken Roller Bearing Co. | 1055 Talbot St., St. Thomas |
| Tokheim of Canada Ltd. | 87 Queen Elizabeth Blvd., Toronto |
| Torrington Mfg. Co. of Canada Ltd. | 201 Speers Rd., Oakville |
| Trent & Perrin Co. Ltd. | 11 Racine Rd., Rexdale |
| Transonic Ltd. c/o Edgar Frank Bastedo | McMaster Ave., Oshawa |
| Trion (Canada) Limited | 90 Brimley Road Scarborough |
| Turbo Gas Equipment Ltd. | Delhi |
| Turnbull Elevator Company, Limited | 128 John St., Toronto 2 B |
| Universal Logloaders Ltd. | 296 Kendal Ave., Eastview |
| Unit Lift of Canada Ltd. | 59 John St., Cooksville |
| United Pumps of Canada Ltd. | 1181 Shepherd Ave. E., Toronto |
| Vickers, Sperry of Canada Ltd. | 92 Advance Road Toronto |
| Viking Pump Company of Canada, Limited | 661 Grove Ave., Windsor |
| Wallace & Tierman Limited | 925 Warden Ave., Scarborough |
| Wards Oven Co. | 39 Mitchell Ave., Toronto |
| Waterloo Manufacturing Co. Ltd. | 263 Phillip St., Waterloo |
| Water Softening Equipment Ltd. | 112 Manville Rd., Scarborough |
| Watson, The John, Mfg. Co. Ltd. | Ayr |
| Wayne-Crothers Limited | 772 Warden Ave., Scarborough |
| Wayne Pump Canada Limited | 829 Richmond St. W., Toronto |
| Webb, Jervis B., Co. of Canada Ltd. | 715 Beach Rd., Hamilton |
| Webster Air Equipment Co. Limited | 1161 King St. E., London |
| Wellman, S.K. Co. of Canada Ltd. | 208 Bartley Drive, O'Connor Drive, Toronto 16 |
| West Bend Aluminum Co. (Canada) Limited | Barrie |
| West Machinery Co. Ltd. | Wellington St., Simcoe |
| Westaway, W.J., Company Ltd. | 18 Dundurn St. S., Hamilton |
| Westco Pump & Engineering, Limited | 7 Stewart St., Toronto 2 B |
| Wheel Truening Tool Co. of Canada Ltd. | 575 Langlois St., Windsor |
| White Mop Wringer Co. of Canada | Paris |
| Whiting Corporation (Canada) Ltd. | Alexander St., Welland |
| Williams Machines, Limited | 311 Montrose St., Preston |
| Wood, John, Co. Ltd. | 101 Hanson St., Toronto 6 |
| Woods of Colchester (Canada) Ltd. | 175 Wicksteed Ave., Toronto 17 |
| Worthington (Canada) 1955 Ltd. | R.R. #1, Brantford |
| Yates, P.B., Machine Company, Limited | Cathcart & Robert Sts., Hamilton |
| Manitoba: | |
| Alpha Manufacturing Company, Limited | Notre Dame & Midland, Winnipeg |
| Betts-Eastman Ltd. | 780 Portage Ave., Winnipeg 10 |
| Chicago Blower (Canada) Ltd. | 901 Regent Ave. W., Transcona |
| Delro Industries Limited | 860 King Edward St., Winnipeg 21 |
| Filtersott Limited | Watt & Union Sts., Winnipeg |
| Klapp-Kelly, Limited | 68 Higgins Ave., Winnipeg |
| McLean Machinery Co. Ltd. | 125 Pacific Ave., Winnipeg |
| Monarch Machinery Co. Ltd. | 889 Erin St., Winnipeg |
| Oshkash Filter & Softener Co. (Canada) Ltd. | 721 Assiniboine Ave., Brandon |
| Peterson Foundry & Machine Works | 120 Aberdeen Ave., Winnipeg 4 |
| Pydee Engineering Co. Ltd. | 1018 Sherbrook St., Winnipeg 2 |
| Strong-Scott Limited | 772-782 Dufferin Ave., Winnipeg |
| Wheeler Hand Truck Ltd. | 614 Loretta Ave., Winnipeg 3 |

Directory of Firms: Miscellaneous Machinery and Equipment Manufacturers, 1960 - Concluded

| Name of firm | Location of plant |
|---|--------------------------------------|
| Saskatchewan: | |
| Leach, J.R. & Son Limited | 17-17th St., Prince Albert |
| Mid-West Equipment Ltd. | 1101 Winnipeg St., Regina |
| Regal Softener Equipment | 1322 Lorne St., Regina |
| Richardson Road Machinery Company Limited | 112 Ave. 1 South, Saskatoon |
| Schulte Welding & Blacksmith | Englefield |
| Western Machine & Engineering Limited | 1201 Scarth St., Regina |
| Alberta: | |
| Automatic Sprinkler of Canada Ltd. | 4040 Seventh St. S.E., Calgary |
| Coutts Machinery Company, Limited | 9119 Stadium Road, Edmonton |
| Davis-Lynch Inc. | 6510-100th St., Edmonton |
| Engineering Specialties (Alberta) Ltd. | 9660-61st Ave., Edmonton |
| Le Grand Ltd. | 111-58th Ave., S.W., Calgary |
| Major Irrigation Ltd. | 2125-2nd Ave. S., Lethbridge |
| Premier Steel Products Ltd. | P.O. Box 2379, Edmonton |
| Smith & Schneider Sawmill Eqpt. Ltd. | Chinook Valley |
| Smit, J.K.-Connors Ltd. | 5406-43 St., Red Deer |
| British Columbia: | |
| Allard Engineering (1957) Limited | 1031 Quebec St., New Westminster |
| Anderson Blowpipe & Mfg. Co. Ltd. | 1213 Mitchell Rd., Vancouver |
| Alpha Engineering & Mfg. Ltd. | 60 Braid St., New Westminster |
| Argus Engineering & Development Co. | 8638 Ash St., Vancouver |
| Automatic Equipment & Service Co. | 4625 Sophia St., Vancouver |
| Berger Engineering Co. Limited | 547 W. 6th Ave., Vancouver 9 |
| Boyles Bros. Drilling Company, Limited | 1291 Parker St., Vancouver 6 |
| Brockley, C.W. & Co. Ltd. | 1285 William St., Vancouver 6 |
| Canadian Car (Pacific) Limited | 1660 Station St., Vancouver 4 |
| Canadian Mobile Co. Ltd. | 400 Fwan Ave., New Westminster |
| Canadian Sumner Iron Works, Limited | 3550 E. Broadway, Vancouver 12 |
| Conveyair Manufacturing Division Ltd. | 125 West 1st St. N., North Vancouver |
| Gearmatic Co. Ltd. | 7400-132nd St., Newton |
| Interior Mill Equipment Ltd. | Box 758 Grand Forks |
| Jordans Machine Works, Ltd. | 4428 Kingsway, S. Burnaby |
| Kelowna Machine Shop, Ltd. | 1247 Ellis St., Kelowna |
| L-M Equipment Co. (B.C.) Ltd. | 4740 Lougheed Highway, N. Burnaby |
| Leland Mfg. Co. Limited | 1790 Powell Ave., Vancouver 6 |
| Letson & Purnee, Limited | 172 Alexander St. Vancouver 4 |
| Marathon Machinery Co. | 7441 Hawthorne Ave., Burnaby |
| Modern Hydraulics Ltd. | 315 Levi St., New Westminster |
| Moore Dry Kiln Co. of Canada Ltd. | 345 East First Ave., Vancouver 10 |
| Nicholson Mordie Machines Ltd. | 327 Harbour Rd., Victoria |
| Opsal Steel Limited | 97 East 2nd Ave., Vancouver |
| Palma Equipment Ltd. | 9084-128th St., North Surrey |
| Patrick Equipment Ltd. | 5332 Still Creek, Burnaby |
| Power Machinery Limited | 3470 Commercial Dr., Vancouver 12 |
| Progressive Engineering Works, Limited | 360 West 1st Ave., Vancouver 10 |
| Pumps & Power, Limited | 1380 Napier St., Vancouver |
| Q.M. Machine Works, Limited | Quesnel |
| Regent Steel Specialties Ltd. | 6957 Beresford St., South Burnaby |
| Rooneys of Abbotsford Ltd. | McClure Rd., Abbotsford |
| Simplex Engine and Manufacturing Co., Limited | 1865 West Georgia St., Vancouver 5 |
| Swan, J. Ltd. | 1820 West Georgia St., Vancouver |
| Trump Ltd. | P.O. Box 160 Oliver |
| Tyee Machinery Company, Limited | Lot 71 Granville Island, Vancouver 9 |
| Vancouver Gear Works Ltd. | 1844 Clarke Dr., Vancouver 12 |
| Vancouver Iron & Engineering Works | 1155 West 6th Ave., Vancouver |
| Vancouver Mill Machinery | 1904 Gilmore Ave., Burnaby 2 |
| Wagner Engineering | 1929 W. Georgia St., Vancouver 5 |
| Wagstaff Holst, Limited | 2294 Clark Drive, Vancouver 12 |
| Webb & Gifford, Limited | 222 Front St., New Westminster |
| Westminster Iron Works Company, Limited | 1135 Queen Ave., New Westminster |
| Weldco Ltd. | 116 East 2nd Avenue, Vancouver 5 |
| Willock Manufacturing Co. Ltd. | 22661 Trans-Canada Highway, Langley |
| Wire Co. Engineering Ltd. | 2015 Columbia St., Vancouver |

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