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DOMINION BUREAU OF STATISTICS

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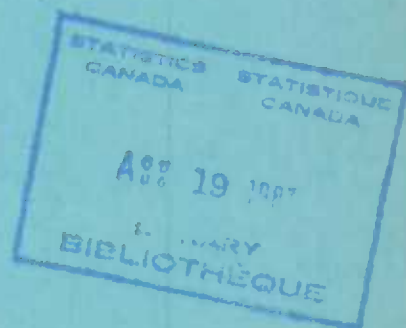
MINING, METALLURGICAL & CHEMICAL STATISTICS

THE MACHINERY INDUSTRY

IN

CANADA

1945



(Industrial, household, office and business machinery.)



OTTAWA
1947

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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE MACHINERY INDUSTRY, 1945

The annual census of production in Canada divides manufacturing into nine main groups of industries to which the producing concerns are classified according to the principal materials used. For example, the pulp and paper industry is classified under "Wood and Paper Products", iron foundries under "Iron and Steel and Their Products", etc. These main groups are further divided into industries to which the concerns are allotted according to the nature of their main products. The iron and steel group is subdivided into 17 industries, one being the Machinery Industry, which is reviewed in this bulletin. This industry covers the operations of iron and steel works which were occupied chiefly in making industrial, household, office and business machinery. 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. Table 10 of this report summarizes the total machinery production as assembled from all industries; in 1945 the total for industrial, office, business and household machinery (including electrical machinery) was \$142,972,423 compared with \$164,001,109 in the previous year.

During the year under review, there were 267 factories in Canada which normally manufactured industrial, household, office and business machinery (exclusive of electrical or agricultural machinery) as their principal products. These plants were classified to the Machinery Industry and their output in 1945 was valued at \$138,192,090, a decline of 6.3 per cent from the corresponding total of \$147,519,776 for 1944.

Of the 267 establishments operating in this industry, 173 were located in Ontario, 45 in Quebec, 29 in British Columbia, 10 in Manitoba, 5 in Saskatchewan, 3 in Nova Scotia and 1 in Alberta and 1 in New Brunswick. Ontario firms accounted for 64.8 per cent of the total production for the Dominion, Quebec 16.8 per cent, and concerns in British Columbia, 10.8 per cent. These producers of machinery afforded employment to a monthly average of 26,285 people who received \$46,982,376 in salaries and wages. Expenditures for fuel and electricity amounted to \$1,750,316 and materials used in manufacturing processes cost \$44,817,319.

Products made in this industry included washing machines and ironers, cash registers, sewing machines, typewriters, transmission machinery, pulp and paper machinery, elevators, air compressors, rock drills and mining machinery, road-making machinery, gasoline-dispensing pumps, machine tools, rolling mill machinery, etc. Detailed production data for the industry are given in Table 9 and supplementary figures to show the total output of machinery from all industries in Table 10.

Table 1 - Principal Statistics For The Machinery Industry, 1935 - 1945.

| Year | Number of plants | Average number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of materials at works | Gross selling value of products at works |
|--|------------------|-----------------------------|--------------------|---------------------------------------|----------------------------|--|
| 1935 | 211 | 8,949 | 10,531,251 | 611,375 | 12,194,263 | 32,856,175 |
| 1936 | 218 | 10,277 | 12,305,422 | 660,767 | 15,761,565 | 41,447,473 |
| 1937 | 214 | 12,638 | 16,059,392 | 759,245 | 22,204,200 | 57,096,816 |
| 1938 | 213 | 11,631 | 14,586,263 | 717,470 | 17,641,141 | 46,272,442 |
| 1939 | 232 | 12,248 | 15,847,861 | 812,624 | 18,099,490 | 48,458,408 |
| 1940 | 235 | 18,145 | 26,016,051 | 1,213,122 | 30,675,072 | 64,260,652 |
| 1941 | 247 | 23,376 | 37,676,055 | 1,412,852 | 44,617,650 | 124,159,341 |
| 1942 | 255 | 27,354 | 47,707,573 | 1,665,258 | 52,950,771 | 159,371,788 |
| 1943 | 256 | 28,239 | 52,818,044 | 1,799,257 | 48,685,944 | 152,359,576 |
| 1944 | 258 | 26,692 | 50,452,569 | 1,723,381 | 50,665,344 | 147,519,776 |
| 1945 | 267 | 26,285 | 46,982,376 | 1,750,316 | 44,817,319 | 138,192,090 |
| Per cent change, 1945 from 1944 | | -1.5 | -6.9 | + 1.5 | -11.5 | - 6.3 |

Note: Profit or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - Principal Statistics, By Provinces, 1944 and 1945

| Province | Number of plants | Average number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of materials at works | Gross selling value of products at works |
|------------------------|------------------|-----------------------------|--------------------|---------------------------------------|----------------------------|--|
| | | | \$ | \$ | \$ | \$ |
| 1944 | | | | | | |
| New Brunswick | 1) | 147 | 257,435 | 13,886 | 310,318 | 797,905 |
| Nova Scotia | 3) | | | | | |
| Quebec | 44 | 7,648 | 14,269,233 | 606,287 | 15,221,772 | 40,234,781 |
| Ontario | 170 | 16,300 | 30,780,095 | 962,689 | 29,323,836 | 91,114,482 |
| Manitoba | 8 | 211 | 379,129 | 14,607 | 191,649 | 813,333 |
| Saskatchewan | 5 | 92 | 156,001 | 8,664 | 163,263 | 492,116 |
| Alberta | 1) | 2,294 | 4,610,676 | 117,248 | 5,434,506 | 14,067,159 |
| British Columbia | 26) | | | | | |
| Canada | 258 | 26,692 | 50,452,569 | 1,723,381 | 50,665,344 | 147,519,776 |
| 1945 | | | | | | |
| New Brunswick | 1) | 157 | 263,803 | 14,962 | 372,943 | 863,112 |
| Nova Scotia | 3) | | | | | |
| Quebec | 45 | 7,609 | 13,180,813 | 625,355 | 15,078,724 | 45,613,301 |
| Ontario | 173 | 15,142 | 28,577,522 | 967,193 | 24,840,303 | 78,262,192 |
| Manitoba | 10 | 319 | 516,530 | 27,168 | 327,882 | 1,052,430 |
| Saskatchewan | 5 | 103 | 163,829 | 13,958 | 157,475 | 408,504 |
| Alberta | 1) | 2,955 | 4,279,879 | 101,680 | 4,039,992 | 11,992,551 |
| British Columbia | 29) | | | | | |
| Canada | 267 | 26,285 | 46,982,376 | 1,750,316 | 44,817,319 | 138,192,090 |

Table 3 - Employees, Salaries and Wages, By Provinces, 1944 and 1945.

| Province | Average Number of Employees | | | | Total | Salaries | Wages | Total Salaries and wages |
|--|-----------------------------|--------|----------|--------|--------|------------|------------|--------------------------------|
| | On Salaries | | On Wages | | | | | |
| | Male | Female | Male | Female | | | | |
| <u>1944</u> | | | | | | \$ | \$ | \$ |
| New Brunswick and Nova Scotia | 10 | 8 | 127 | 2 | 147 | 53,148 | 204,287 | 257,435 |
| Quebec | 909 | 570 | 5,679 | 490 | 7,648 | 3,258,032 | 11,011,201 | 14,269,233 |
| Ontario | 2,083 | 1,280 | 11,256 | 1,681 | 16,300 | 7,566,481 | 23,213,614 | 30,780,095 |
| Manitoba | 35 | 16 | 160 | ... | 211 | 121,149 | 257,980 | 379,129 |
| Saskatchewan | 10 | 4 | 72 | 6 | 92 | 25,933 | 130,068 | 156,001 |
| Other provinces | 250 | 130 | 1,790 | 124 | 2,294 | 869,439 | 3,741,237 | 4,610,676 |
| Canada | 3,297 | 2,008 | 19,084 | 2,303 | 26,692 | 11,894,182 | 38,558,387 | 50,452,569 |
| <u>1945</u> | | | | | | | | |
| New Brunswick and Nova Scotia | 10 | 8 | 139 | ... | 157 | 61,014 | 202,789 | 263,803 |
| Quebec | 1,013 | 566 | 5,682 | 348 | 7,609 | 2,919,220 | 10,261,593 | 13,180,813 |
| Ontario | 2,309 | 1,206 | 10,567 | 1,040 | 15,142 | 7,855,891 | 20,721,631 | 28,577,522 |
| Manitoba | 37 | 17 | 226 | 39 | 319 | 147,090 | 369,440 | 516,530 |
| Saskatchewan | 7 | 3 | 91 | 2 | 103 | 27,646 | 136,183 | 163,829 |
| Other provinces | 256 | 128 | 2,427 | 144 | 2,955 | 887,302 | 3,392,577 | 4,279,879 |
| Canada | 3,632 | 1,928 | 19,152 | 1,573 | 26,285 | 11,898,163 | 35,084,213 | 46,982,376 |

Table 4 - Wage-Earners, By Months, 1944 and 1945 (On the last work day of each month)

| Month | 1944 | | | 1945 | | |
|-----------------|--------|--------|--------|--------|--------|--------|
| | Male | Female | Total | Male | Female | Total |
| January | 19,585 | 2,417 | 22,102 | 19,838 | 2,113 | 21,951 |
| February | 19,544 | 2,440 | 21,984 | 20,137 | 2,082 | 22,219 |
| March | 19,390 | 2,463 | 21,853 | 19,631 | 2,080 | 21,711 |
| April | 19,002 | 2,401 | 21,403 | 19,391 | 2,052 | 21,443 |
| May | 18,998 | 2,459 | 21,457 | 19,494 | 1,934 | 21,428 |
| June | 19,223 | 2,459 | 21,682 | 19,236 | 1,677 | 20,913 |
| July | 19,029 | 2,445 | 21,474 | 18,968 | 1,475 | 20,443 |
| August | 19,052 | 2,341 | 21,393 | 18,584 | 1,297 | 19,881 |
| September | 18,841 | 2,205 | 21,046 | 18,270 | 1,173 | 19,443 |
| October | 18,720 | 2,088 | 20,808 | 18,811 | 1,018 | 19,829 |
| November | 18,783 | 1,997 | 20,780 | 18,685 | 977 | 19,662 |
| December | 18,705 | 1,921 | 20,626 | 18,777 | 946 | 19,723 |
| Average | 19,084 | 2,303 | 21,387 | 19,152 | 1,573 | 20,725 |

Table 5 - Hours Worked Per Week, By Wage-Earners, 1944 and 1945 (In one week of highest employment; over-time included)

| Hours worked per week | Number of wage-earners | | | |
|--|------------------------|--------|---------|--------|
| | 1 9 4 4 | | 1 9 4 5 | |
| | Male | Female | Male | Female |
| 30 hours or less | 758 | 209 | 773 | 188 |
| 31 - 43 hours | 1,786 | 548 | 2,012 | 374 |
| 44 hours | 1,859 | 338 | 2,031 | 247 |
| 45 - 47 hours | 1,430 | 247 | 1,961 | 164 |
| 48 hours | 1,154 | 300 | 3,373 | 492 |
| 49 - 50 hours | 3,293 | 317 | 3,698 | 184 |
| 51 - 54 hours | 3,628 | 427 | 3,289 | 349 |
| 55 hours | 2,450 | 207 | 1,398 | 46 |
| 56 - 64 hours | 3,677 | 134 | 2,071 | 44 |
| 65 hours and over | 1,054 | 17 | 815 | ... |
| Total | 21,089 | 2,744 | 21,421 | 2,088 |
| Total wages paid in selected week | \$786,867 | 60,837 | 773,089 | 46,726 |

Table 6 - Fuel Electricity Used, 1944 and 1945

| Kind | Unit of Measure | 1 9 4 4 | | 1 9 4 5 | |
|--|--------------------|------------|---------------|------------|---------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| Bituminous coal - Canadian .. | ton | 5,892 | 55,427 | 5,958 | 57,384 |
| Imported .. | ton | 67,284 | 579,153 | 56,861 | 506,441 |
| Anthracite coal | ton | 3,839 | 38,638 | 7,789 | 64,550 |
| Lignite coal | ton | 764 | 4,102 | 861 | 4,739 |
| Coke | ton | 2,087 | 17,096 | 1,542 | 18,782 |
| Gasoline | Imp.gal. | 248,715 | 78,237 | 238,894 | 78,867 |
| Kerosene | Imp.gal. | 167,426 | 12,708 | 22,825 | 4,345 |
| Fuel oil | Imp.gal. | 977,433 | 85,314 | 1,455,801 | 122,154 |
| Wood | cord | 1,014 | 6,478 | 1,026 | 6,977 |
| Gas - Manufactured | M cu.ft. | 50,905 | 38,202 | 39,303 | 32,590 |
| Natural | M cu.ft. | 16,093 | 11,695 | 22,656 | 16,281 |
| Other fuel | ... | ... | 550 | ... | 1,410 |
| Electricity purchased | K.W.H. | 64,321,474 | 795,781 | 67,055,430 | 835,796 |
| Total | ... | ... | 1,723,381 | ... | 1,750,316 |
| Electricity generated for own use | K.W.H. | 4,721,000 | ... | 1,061,620 | ... |

Table 7 - Power Equipment, 1944 and 1945

| | Ordinarily in Use | | In Reserve or Idle | |
|---|--------------------|----------------------------|--------------------|----------------------------|
| | Number of units | Total rated horse power | Number of units | Total rated horse power |
| 1 9 4 4 | | | | |
| Steam engines and steam turbines | 17 | 3,518 | 9 | 1,935 |
| Diesel engines | 1 | 50 | ... | ... |
| Gasoline, gas and oil engines | 37 | 352 | 5 | 8 |
| Hydraulic turbines or water wheels | 6 | 305 | 1 | 35 |
| Total Primary Equipment | 61 | 4,225 | 15 | 1,978 |
| Electric motors run by purchased power | 11,344 | 73,694 | 238 | 2,088 |
| Total | 11,405 | 77,919 | 253 | 4,066 |
| Electric motors run by primary power | 718 | 5,350 | 1 | 35 |
| Stationary power boilers | 72 | 8,842 | 5 | 527 |
| Motor-generator sets | 67 | 14,228 | 5 | 575 |
| 1 9 4 5 | | | | |
| Steam engines and steam turbines | 24 | 3,987 | 8 | 955 |
| Diesel engines | 1 | 50 | ... | ... |
| Gasoline, gas and oil engines | 23 | 368 | ... | ... |
| Hydraulic turbines or water wheels | 7 | 315 | 1 | 35 |
| Total Primary Equipment | 55 | 4,720 | 9 | 990 |
| Electric motors run by purchased power | 12,768 | 74,206 | 467 | 3,068 |
| Total | 12,823 | 78,926 | 476 | 4,058 |
| Electric motors run by primary power | 30 | 391 | ... | ... |
| Stationary power boilers | 58 | 8,375 | 8 | 1,090 |
| Motor-generator sets | 78 | 4,068 | 6 | 587 |

Machinery

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Table 8 - Materials Used By Firms In The Machinery Industry, 1944 and 1945

| Table 8 - Materials Used by Firms in the Machinery Industry, 1944 and 1945 | | | | | |
|--|-----------------|------------|---------------|-----------|---------------|
| Material | Unit of Measure | 1 9 4 4 | | 1 9 4 5 | |
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | | | |
| Iron - | | | | | |
| Pig iron | ton | 21,170 | 555,878 | 22,149 | 602,291 |
| Castings | ton | 44,757 | 5,339,223 | 28,718 | 4,603,509 |
| Steel - | | | | | |
| Castings | ton | 9,287 | 2,329,676 | 8,772 | 2,116,665 |
| Bars | ton | 19,807 | 1,959,583 | 18,246 | 1,665,101 |
| Forgings | ton | 5,117 | 1,094,002 | ... | 1,949,966 |
| Plates | ton | 14,868 | 1,044,913 | 9,472 | 766,898 |
| Shafting | ton | 2,433 | 403,151 | 2,272 | 386,920 |
| Sheets, black | ton | 9,233 | 767,132 | 6,713 | 635,080 |
| galvanized | ton | 1,762 | 155,141 | 1,603 | 169,837 |
| tin plate | Base boxes | 2,578 | 30,583 | 2,696 | 33,896 |
| Strip | ton | 1,287 | 159,713 | 737 | 104,672 |
| Structural shapes | ton | 13,081 | 1,026,129 | 11,604 | 920,269 |
| Stampings | ... | ... | 90,459 | ... | 182,653 |
| Wire | ton | 680 | 86,540 | 836 | 87,861 |
| Tool steel, carbon and alloy, including high speed | ... | ... | 416,699 | ... | 241,332 |
| Stainless steel | ... | ... | 172,662 | ... | 224,060 |
| Alloy steel, other | ... | ... | 77,505 | ... | 81,747 |
| Scrap iron or steel | ton | 27,341 | 566,327 | 32,111 | 615,601 |
| Other iron or steel | ... | ... | 461,111 | ... | 567,920 |
| Ferro-alloys | ... | ... | 126,237 | ... | 89,367 |
| Non-ferrous metals, including scrap - | | | | | |
| Aluminum | pound | 981,782 | 396,719 | 583,231 | 260,795 |
| Brass and bronze | pound | 10,438,391 | 2,189,613 | 6,932,115 | 1,529,104 |
| Copper | pound | 3,735,154 | 645,447 | 2,124,658 | 556,580 |
| Lead | pound | 232,540 | 27,904 | 856,331 | 51,228 |
| Nickel | pound | 102,543 | 33,666 | 111,953 | 30,272 |
| Tin | pound | 12,852 | 8,434 | 22,048 | 14,528 |
| Zinc | pound | 3,606,901 | 242,653 | 1,080,716 | 132,577 |
| Babbitt metals and solders | pound | 579,951 | 171,743 | 535,617 | 145,555 |
| Other non-ferrous metals | ... | ... | 84,475 | ... | 56,789 |
| Other materials and supplies - | | | | | |
| Parts for machines or vehicles .. | ... | ... | 12,035,512 | ... | 7,435,457 |
| Iron and steel pipe, tubes and fittings | ... | ... | 805,761 | ... | 896,231 |
| Paints, oils and varnishes | ... | ... | 259,335 | ... | 319,829 |
| Foundry coke (cupola) | ton | 12,968 | 212,044 | 12,078 | 208,985 |
| Moulding sands | ton | 13,108 | 82,608 | 12,617 | 79,765 |
| Core sands | ton | 7,941 | 35,226 | 8,790 | 38,109 |
| Silica sand | ton | 2,884 | 24,725 | 1,963 | 16,940 |
| Other foundry sands | ton | 1,505 | 4,324 | 530 | 3,825 |
| Starch | pound | 48,000 | 3,360 | 15,000 | 1,139 |
| Plumbago | pound | 137,682 | 9,160 | 112,222 | 7,841 |
| Other foundry facings | pound | 945,548 | 20,268 | 551,226 | 19,798 |
| Patterns and models | ... | ... | 182,153 | ... | 191,188 |
| Lumber | M cu.ft. | 16,916 | 866,907 | 15,471 | 1,023,851 |
| Firebrick | number | 265,611 | 27,972 | 244,039 | 33,495 |
| Fireclay | ton | 970 | 13,152 | 1,010 | 13,231 |
| Cupola blocks | number | 19,030 | 7,339 | 32,120 | 6,469 |
| Core oil | Imp.gal. | 45,612 | 32,218 | 39,341 | 24,005 |
| Core compound | pound | 596,598 | 28,312 | 553,047 | 16,322 |
| Acetylene | cu.ft. | 1,915,758 | 45,971 | 1,415,912 | 37,621 |
| Oxygen | cu.ft. | 5,727,219 | 70,490 | 4,547,053 | 65,413 |
| Shipping materials | ... | ... | 389,827 | ... | 281,085 |
| All other materials | ... | ... | 14,845,362 | ... | 15,273,647 |
| Total | ... | ... | 50,665,344 | ... | 44,817,319 |

Table 9 - Products Made By Firms Included In The Machinery Industry, 1944 and 1945

NOTE: Data given in this table are for the Machinery Industry which included 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 10 in as much detail as possible.

| Item | Selling Value at Works | | | | | | | |
|---|------------------------|---|---|---|-------------|---|---|---|
| | 1 | 9 | 4 | 4 | 1 | 9 | 4 | 5 |
| | ↓ | | | | ↓ | | | |
| Machinery - | | | | | | | | |
| Air Compressors | 1,804,851 | | | | 5,800,804 | | | |
| Air conditioning equipment | 223,554 | | | | 440,294 | | | |
| Agricultural implements and parts | 271,670 | | | | 380,985 | | | |
| Bakers' machinery | 616,451 | | | | 856,165 | | | |
| Blowers for domestic furnaces | 58,520 | | | | 121,860 | | | |
| Bottling machinery | 54,775 | | | | 22,250 | | | |
| Canning machinery | 1,088,460 | | | | 1,090,899 | | | |
| Cement mill machinery | 82,990 | | | | 215,837 | | | |
| Cheese factory machinery | 28,092 | | | | 35,407 | | | |
| Cleaning and pressing machinery | 225,148 | | | | 174,900 | | | |
| Coal-pulverizing and coal-cleaning machinery | 60,572 | | | | 75,000 | | | |
| Concrete-making machinery | 120,508 | | | | 252,196 | | | |
| Conveying and elevating machinery | 2,093,671 | | | | 2,713,922 | | | |
| Dairy and creamery machinery | 796,636 | | | | 957,268 | | | |
| Elevators, freight and passenger, and parts | 1,165,075 | | | | 3,235,821 | | | |
| Engines, steam, diesel, gas, and parts | 15,274,686 | | | | 7,807,685 | | | |
| Fire-fighting equipment | 2,660,013 | | | | 1,771,974 | | | |
| Flour and grist mill machinery | 60,650 | | | | 327,876 | | | |
| Grain elevator machinery | 622,757 | | | | 331,492 | | | |
| Hoisting machinery (except mine hoists) | 4,124,989 | | | | 3,117,267 | | | |
| Household machinery | 2,558,750 | | | | 4,993,364 | | | |
| Laundry machinery | 911,288 | | | | 1,184,031 | | | |
| Leather-working machinery | 381,726 | | | | 867,017 | | | |
| Logging machinery and parts | 550,088 | | | | 999,497 | | | |
| Machinery parts, not specified elsewhere | 15,328,804 | | | | 7,243,263 | | | |
| Metal-working machinery and parts (machine tools) | 2,404,854 | | | | 2,960,690 | | | |
| Mining and metallurgical machinery and parts | 5,057,997 | | | | 6,629,050 | | | |
| Office and business machinery and parts | ... | | | | 141,772 | | | |
| Plastics machinery and parts | 7,658 | | | | 21,550 | | | |
| Printing machinery | 1,677,119 | | | | 3,795,852 | | | |
| Pulp mill and paper mill machinery | 3,795,709 | | | | 4,353,580 | | | |
| Pumps and parts | 902,906 | | | | 1,060,714 | | | |
| Refrigeration and ice-making machinery | 1,330,646 | | | | 2,007,924 | | | |
| Road-making machinery | 810,683 | | | | 904,453 | | | |
| Rubber mill machinery | 873,422 | | | | 886,676 | | | |
| Saw-mill machinery | 430,939 | | | | 614,503 | | | |
| Service station and garage machinery (including pumps) | 5,082,260 | | | | 2,874,168 | | | |
| Ships' machinery and fittings | 789,672 | | | | 820,533 | | | |
| Stokers and parts | 121,181 | | | | 250,614 | | | |
| Textile machinery | 4,100,683 | | | | 4,300,595 | | | |
| Transmission machinery | 615,236 | | | | 602,611 | | | |
| Ventilating, exhaust and dust-collecting systems | 115,786 | | | | 453,976 | | | |
| Water wheels and water turbines | 514,075 | | | | 532,896 | | | |
| Wood-working machinery | | | | | | | | |
| All other machinery, including power shovels, glass-blowing machinery, rolling mill machinery, etc. | 5,453,513 | | | | 5,368,687 | | | |
| Total machinery | 85,249,063 | | | | 83,597,918 | | | |
| All other products | 53,383,550 | | | | 47,494,232 | | | |
| Amount received for repair work | 8,887,163 | | | | 7,099,940 | | | |
| Total | 147,519,776 | | | | 138,192,090 | | | |

Table 10 - Total Production in Canada of Industrial, Household and Business Machinery, 1944 and 1945
(Data assembled from all industries)

| Item | 1 9 4 4 | | 1 9 4 5 | |
|--|---------|---------------------------------|---------|---------------------------------|
| | Number | Selling value at works \$ | Number | Selling value at works \$ |
| Air compressors | ... | (x) | ... | 6,157,755 |
| Air conditioning equipment | ... | (x) | ... | 920,216 |
| Bakers' machinery - | | | | |
| Mixing machines | ... | 180,444 | ... | 238,054 |
| Ovens | ... | 311,852 | ... | 313,004 |
| Other bakers' machinery | ... | 177,145 | ... | 327,840 |
| Baling machines | ... | (x) | ... | (x) |
| Blowers for domestic furnaces | 2,392 | 75,924 | 3,379 | 149,070 |
| Bottling machinery | ... | (x) | ... | 34,644 |
| Canning machinery | ... | 1,171,454 | ... | 1,189,445 |
| Cement mill machinery and parts | ... | 82,990 | ... | 215,837 |
| Cheese factory machinery | ... | 37,390 | ... | 36,407 |
| Chlorinators and chlorine and control apparatus ... | ... | (x) | ... | (x) |
| Cleaning and pressing machinery (except laundry) .. | ... | 225,148 | ... | 174,900 |
| Coal-cleaning and coal-pulverizing machinery | ... | (x) | ... | 75,000 |
| Concrete-making machinery, including mixers | ... | 122,119 | ... | 351,824 |
| Conveying and elevating machinery (except passenger and freight elevators) | ... | 2,208,837 | ... | 3,068,882 |
| Cream separators | 25,834 | 1,578,891 | 30,981 | 1,862,913 |
| Dairy and creamery machinery, except cream separators, but including milking machines, churns, pasteurizers, etc. | ... | 2,430,668 | ... | 3,458,691 |
| Dish-washing machinery | ... | (x) | ... | (x) |
| Electric appliances, motor driven, not elsewhere specified | ... | 314,094 | ... | 391,985 |
| Elevators, freight and passenger, and parts | ... | 1,187,629 | ... | 3,733,274 |
| Engines - | | | | |
| Steam, including steam turbines | ... | 21,115,378 | ... | 7,052,897 |
| Gasoline (except automobile) - | | | | |
| Marine type, including outboard | 5,142 | 596,151 | 4,137 | 804,403 |
| Airplane (assembled only) | ... | ... | ... | ... |
| Handcar and railway motor car | ... | ... | ... | ... |
| Stationary type | 97 | 151,600 | ... | 355,681 |
| Type not specified | 229 | 33,075 | ... | ... |
| Diesel | 286 | 5,377,219 | 256 | 4,387,786 |
| Engine parts | ... | 4,491,349 | ... | 2,680,319 |
| Fire engines | ... | (x) | ... | ... |
| Flour mill and grist mill machinery | ... | 69,985 | ... | 334,274 |
| Generators and parts, electric, A.C. and D.C. | ... | 6,723,396 | ... | 6,119,832 |
| Glass-working machinery, automatic | ... | (x) | ... | (x) |
| Grain elevator machinery | ... | 680,016 | ... | 331,492 |
| Hoisting machinery, including chain blocks, monorail electric hoists, overhead cranes, etc., but excluding mine hoists | ... | 3,714,893 | ... | 5,271,290 |
| Ice-making and refrigerating machinery (except household electric refrigerators) | ... | 317,928 | ... | 2,086,692 |
| Household machinery - | | | | |
| Washing machines, hand | 10,162 | 146,873 | 10,083 | 131,635 |
| Washing machines, electric | 24,352 | 1,548,260 | 38,982 | 2,457,817 |
| Washing machines, other power | 729 | 64,255 | 3,736 | 317,058 |
| Wringers, clothes | 16,305 | 77,871 | 41,957 | 255,655 |
| Ironers | ... | ... | ... | (x) |
| Refrigerators, household, electric, and condens- ing units | ... | 1,699,801 | ... | 487,161 |
| Vacuum cleaners, electric - | | | | |
| Floor models | 1,403 | 30,955 | 14,220 | 580,442 |
| Hand models | 494 | 6,037 | ... | ... |
| Attachments and parts | ... | 227,406 | ... | 345,942 |
| Other household machinery (including sewing machines) | ... | 254,137 | ... | 2,321,802 |
| Laundry machinery | ... | 928,833 | ... | 1,184,031 |
| Lawn mowers | 1,012 | 13,666 | 22,137 | 159,251 |

Machinery

- 7 -

Table 10 - Total Production in Canada of Industrial, Household and Business Machinery, 1944 and 1945 (con.)
(Data assembled from all industries)

| Item | 1 9 4 4 | | 1 9 4 5 | |
|--|---------|---------------------------------|---------|---------------------------------|
| | Number | Selling value at works \$ | Number | Selling value at works \$ |
| Leather-working machinery | ... | 381,726 | ... | 963,576 |
| Logging machinery | ... | 600,676 | ... | 999,497 |
| Machinery parts (specified as such) | ... | 4,987,141 | ... | 4,961,372 |
| Metal-working machinery (machine tools)- | | | | |
| Boring machines | 11 | 185,190 | 15 | 353,230 |
| Drilling machines | ... | 733,634 | 81 | 502,341 |
| Grinding machines | ... | 533,009 | ... | 502,347 |
| Hammers | ... | 1,167 | 23 | 3,588 |
| Lathes | ... | 2,885,557 | ... | 3,810,970 |
| Milling machines | ... | 406,062 | ... | 177,012 |
| Threading machines | ... | 147,642 | ... | 57,632 |
| Planers | ... | 1,075,775 | 24 | 631,640 |
| Presses (forming, stamping, etc.) | ... | 734,296 | ... | 540,124 |
| Shapers | 61 | 182,196 | 49 | 151,491 |
| Shearing machines | ... | 176,364 | ... | 84,896 |
| Slotters | ... | 10,930 | ... | 5,469 |
| Other metal-working machinery | ... | 7,944,212 | ... | 1,927,784 |
| Mining and metallurgical machinery - | | | | |
| Agitators | ... | 13,500 | ... | 30,560 |
| Ball and rod mills | ... | ... | ... | 7,519 |
| Classifiers | ... | 12,198 | ... | 38,243 |
| Crushers, jaw and gyratory | ... | 129,623 | ... | 150,807 |
| Filters | ... | 155,583 | ... | 235,770 |
| Flotation machines | ... | 10,646 | ... | 10,600 |
| Hoists | ... | 103,325 | ... | 195,963 |
| Screens | ... | 48,515 | ... | 50,178 |
| Skips and cages | ... | 47,608 | ... | ... |
| Thickeners | ... | 60,587 | ... | 53,480 |
| All others | ... | 2,387,688 | ... | 2,532,964 |
| Motors, electric, and parts | ... | 15,737,566 | ... | 15,005,126 |
| Motor-generator sets | ... | 4,837,708 | ... | 1,265,321 |
| Office and business machinery - | | | | |
| Adding machines | 2,126 | 200,678 | 3,674 | 369,856 |
| Scales, domestic, office and truck | 15,321 | 1,006,978 | 15,569 | 1,263,243 |
| Typewriters | 12,562 | 802,171 | 16,543 | 1,287,621 |
| Other, including accounting machines, cash registers, time recorders, meat slicers, bread slicers, calculating machines, etc. | ... | 2,570,063 | ... | 3,405,249 |
| Oil burners - | | | | |
| Power type | 360 | 99,764 | ... | 466,582 |
| Oil burner parts | ... | 8,150 | ... | 42,340 |
| Plastics machinery and parts | ... | ... | ... | 301,769 |
| Printing machinery | ... | 21,145 | ... | 57,527 |
| Pulp-making and paper-making machinery | ... | 2,088,611 | ... | 4,260,520 |
| Pumps - | | | | |
| Hand (iron and steel) | ... | 384,094 | ... | 489,990 |
| Centrifugal | ... | 2,794,529 | ... | 2,200,911 |
| Steam, direct-acting | ... | 1,607,240 | ... | 626,250 |
| Rotary | ... | 282,450 | ... | 365,611 |
| Other power | ... | 433,582 | ... | 1,175,141 |
| Pump parts | ... | 556,797 | ... | 723,703 |
| Water pumping systems for country houses | ... | 692,778 | ... | 617,187 |
| Gasoline dispensing pumps | ... | 152,117 | ... | 124,005 |
| Road-making machinery | ... | 1,426,731 | ... | 2,384,796 |
| Rolling-mill machinery | ... | (x) | ... | (x) |
| Rubber-mill machinery | ... | 810,683 | ... | 904,453 |
| Sawmill machinery | ... | 1,099,274 | ... | 1,398,419 |
| Service station and garage machinery (except pumps) | ... | 193,681 | ... | 270,293 |

Machinery

- 8 -

Table 10 - Total Production in Canada of Industrial, Household and Business Machinery, 1944 and 1945 (Con.)
(Data assembled from all industries)

| Item | 1 9 4 4 | | 1 9 4 5 | |
|--|---------|---------------------------------|---------|---------------------------------|
| | Number | Selling value at works \$ | Number | Selling value at works \$ |
| Ships' machinery and fittings | ... | 20,924,863 | ... | 7,312,060 |
| Shovels, power | ... | (x) | ... | 375,789 |
| Stone-working machinery | ... | (x) | ... | 8,900 |
| Stokers, mechanical | ... | 1,735,447 | ... | 1,768,041 |
| Stoker parts | ... | 562,349 | ... | 546,315 |
| Textile machinery and parts | ... | 121,181 | ... | 397,005 |
| Transmission machinery, including brackets, hangers, shafting and other parts | ... | 4,371,124 | ... | 4,895,607 |
| Ventilating and dust-collecting systems (fans, motors, ducts, etc.) | ... | 2,993,822 | ... | 3,946,427 |
| Vulcanizers | ... | (x) | ... | (x) |
| Water wheels and turbines | ... | 116,786 | ... | 454,651 |
| Water softeners | ... | 94,654 | ... | (x) |
| Welding machinery, including arc welders, etc. | ... | 1,215,158 | ... | 880,078 |
| Well-drilling machinery | ... | (x) | ... | (x) |
| Wood-working machinery - | | | | |
| Band sawing machines | 49 | 57,090 | 79 | 79,307 |
| Boring machines | 9 | 4,494 | 2 | 1,206 |
| Lathes | 5 | 2,956 | 10 | 3,986 |
| Matchers and planers | 36 | 121,220 | 34 | 79,145 |
| Moulders | 10 | 39,655 | 11 | 33,448 |
| Rip and cross-cut saws | 84 | 67,309 | 84 | 72,457 |
| Sanders | 14 | 13,795 | 10 | 36,122 |
| Shapers and jointers | 49 | 35,290 | 36 | 28,128 |
| Surfacers | 7 | 8,520 | 5 | 8,021 |
| Tenoners and mortisers | 24 | 19,159 | 18 | 12,825 |
| Other wood-working machinery | ... | 167,486 | ... | 280,069 |
| All other machinery, not separately specified | ... | 7,268,135 | ... | 2,001,959 |
| Total of items (x) reported by only one or two firms | ... | 3,425,207 | ... | 1,400,710 |
| Total Machinery and Parts | ... | 164,001,109 | ... | 142,972,423 |

(x) Reported by less than three firms.

LIST OF FIRMS IN THE MACHINERY INDUSTRY, 1945

| Name of Firm | Location of Plant |
|---|------------------------------------|
| <u>Nova Scotia -</u> | |
| Oxford Foundry and Machine Company, Limited | Oxford |
| Acadia Gas Engines, Limited | Bridgewater |
| Hawtholdt Gas Engines | Chester |
| <u>New Brunswick -</u> | |
| Northern Machine Works | Main Street, Bathurst |
| <u>Quebec -</u> | |
| Bailey Meter Company, Limited | 980 St. Antoine Street, Montreal |
| Braidwood, John, and Sons, Limited | 66 Nazareth Street, Montreal |
| Associated Clock Industries, Limited | 355 Craig Street West, Montreal |
| Canadian Allis-Chalmers Company, Limited | 25 St. Joseph Street, Lachine |
| Canadian Duff-Norton Company, Limited | Cutting Street, Coaticook |
| Canadian Ingersoll Rand Company, Limited | rue des Forges, Sherbrooke |
| Canadian Pneumatic Tool Company Limited | 757 St. Antoine Street, Montreal |
| Canadian Fairbanks-Morse Company, Limited | 62 Belvidere Street S., Sherbrooke |
| Cote Bros., & Burritt, Limited | 1280 Conde Street, Montreal |
| Crammond, William A. | 4,865 Dagenais Street, Montreal |

LIST OF FIRMS IN THE MACHINERY INDUSTRY, 1945 -Continued

| Name of Firm | Location of Plant |
|--|--|
| <u>Quebec (Concluded) -</u> | |
| Dominion Engineering Works, Limited | 1st Avenue, Lachine |
| Forano Limitee | Plessisville |
| Fournier, O. | St. Charles de Bellechasse |
| Gosselin, J. A., Co. Limited | Hebert Street, Drummondville |
| Guay, Henri | 5354 - 12th Avenue, Rosemont, Montreal |
| Hardware & Woodenware Inc. | Coaticook |
| Hydraulic Machinery Co. Ltd. | 1972 Tansley, Montreal |
| Jeffrey Mfg. Co. Limited | 300 St. Patrick Street, Ville la Salle |
| La Compagnie F.X. Drolat | 206 DuPont, Quebec |
| L'Auto-Neige Bombardier, Limitee | Valcourt |
| LePage, C. H. | 72 Jacques Cartier Ave., Quebec |
| LeMelin, J.E. | Montmagny |
| Linde Canadian Refrigeration Company, Limited | 24 St. Joseph Street, Lachine |
| Miller Bros. & Sons, Limited | 45 Des Seigneurs Street, Montreal |
| Montreal Shoe Machinery Company, Limited | 535 Ontario E., Montreal |
| Nagle Elevator Company, Reg'd. | 155 Lagauchetiere Ouest, Montreal |
| O'Neill European Machine Co. of Montreal Canada | Stirling Ave., Ville La Salle |
| Paquin, Alph., & Fils | 568 rue St. Antoine, Joliette |
| Providence Manufacturing Company, Limited | St. Hyacinthe |
| Pulp and Paper Mill Accessories, Limited | 2035 Aylmer Street, Montreal |
| Robinson, E.A., Oil Burner Ltd. | 220 Elm Ave., Westmont, Montreal |
| Royal Typewriter Company, Limited | 7035 Park Ave., Montreal |
| Rubenstein Bros. Company | 50 Craig Street West, Montreal |
| Sherbrooke Machineries, Limited | Randrill Street, Sherbrooke |
| Sicard, Limited | 2055 Bennett Street, Montreal |
| Singer Manufacturing Company | 165 St. Paul Street, St. Johns |
| Suburb Mfg. Reg'd. | 837 Lafayette Ave., Montreal South |
| Superheater Company, Limited | 14 Drummond Rd., Sherbrooke |
| Thibault, Pierre | Pierreville |
| United Shoe Machinery Company of Canada, Limited | 2610 Bennett Avenue, Montreal |
| Valois & Valois, Limited | 639 Notre Dame Street W., Montreal |
| Vessot, S., & Cie., Limited | 104 Querbes Blvd., Joliette |
| Victory Tool and Machine Company Ltd. | 250 Rose de Lima Street, Montreal |
| Volcano Limitee | 2020 St. Anne, St. Hyacinthe |
| Wilson Machine Company, Limited | 161 Nazareth Street, Montreal |
| <u>Ontario -</u> | |
| Acton Machine Shops | Bower Street, Acton |
| American Industries | 551 Eastern Ave., Toronto |
| Atlantic Service Company, Limited | 135 Logan Avenue, Toronto |
| Adams, J.D., Limited | Paris |
| Albany Pump Company | 112 Adelaide Street East, Toronto |
| American Can Company | Lewis Street, Niagara Falls |
| Armstrong, S.A., Limited | 115 Dupont Street, Toronto |
| Atlas Engineering and Machine Company, Limited | 16 Eastern Avenue, Toronto |
| Austin Peelers Limited | 1732 Dundas Street West, Toronto |
| Barber, C., & Sons | Meaford |
| Bawden Machinery Co., Limited | 163 Sterling Road, Toronto |
| Beatty Bros., Limited | Fergus |
| Beaver Laundry Machinery Company, Limited | 393 Sorauren Ave., Toronto |
| Berkel Products Company, Limited | 2199 Bloor St., Toronto |
| Bertram, John & Sons Company, Limited | Hatt Street, Dundas |
| Better Packages of Canada, Limited | 58 Stewart Street, Toronto |
| Bickle-Seagrave, Limited | 12 Young Street, Woodstock |
| Blakeslee and Company, Limited | 1379 Bloor Street West, Toronto |
| Bowser, S.F., Company, Limited | 344 Sherman Ave., Hamilton |
| Bramham, John, Dairy Machinery | 175 Munro Street, Toronto |
| Brantford Oven and Rack Company, Limited | Brock and Campbell Streets, Brantford |
| Brantford Washing Machines, Limited | 14 Grey Street, Brantford |
| Brown Boggs Foundry and Machine Company, Ltd. | 37 Victoria Ave., North, Hamilton |

LIST OF FIRMS IN THE MACHINERY INDUSTRY, 1945 -ContinuedName of FirmLocation of PlantOntario (Continued) -

| | |
|---|--|
| Brunner Corporation (Canada) Limited | 283 King Street East, Toronto |
| Buchanan, F. L., Limited | 129 Front Street, Orillia |
| Burnside, Harry | 442 King Street West, Toronto |
| Burroughs Machines, Limited | 804 MacDougall Street, Windsor |
| Canada Machinery Corporation, Limited | 19 Concession Street, Galt |
| Canada Vulcanizer & Equipment Company, Limited | 1109 York Street, London |
| Canadian Elevator Equipment Company, Limited | 2 River Street, Toronto |
| Canadian Hoffman Machinery Company, Limited | 60 Coleman Avenue, Toronto |
| Canadian Ice Machine Company, Limited | 65 Villiers Street, Toronto |
| Canadian Ironing Machine Company, Limited | 944 Yonge Street, Toronto |
| Canadian Laundry Machinery Company, Limited | 47 Sterling Road, Toronto |
| Canadian Longyear, Limited | Regina Street, North Bay |
| Canadian Mines Equipment Company, Limited | 596 Hamilton Road, London |
| Canadian Postage Meters, Limited | 181 King Street West, Toronto |
| Canadian Scale Company, Limited | 41 Ossington Avenue, Toronto |
| Canadian Sirocco Company, Limited | 310 E. Ellis Street, Windsor |
| Canadian Sullivan Machinery Company, Limited | Hatt Street, Dundas |
| Canadian Toledo Scale Company, Limited | 2462 Howard Avenue, Windsor |
| Canners' Machinery, Limited | Aylmer |
| Canners' Machinery, Limited | Sydenham Street, Simcoe |
| Clark Machine Company | Merritt Street, Merriton |
| C. L. C. Machinery Company | 196 Grant Avenue, Hamilton |
| Climax Baler Company, Limited | 43 Burton Street, Hamilton |
| Cobalt Foundry, Limited | Cobalt |
| Cober, Elevator Manufacturing Company | 35 Front Street East, Toronto |
| Coffield Washer Company, Limited | 77-91 Niagara Street, Hamilton |
| Connor, J. H. & Son, Limited | 10 Lloyd Street, Ottawa |
| Corman Engineering Company, Limited | 525 Richmond Street West, Toronto |
| Cooke and Denison Machine and Tool Works | 31 Yarmouth Street, Guelph |
| Cowan and Company of Galt, Limited | 72 North Water Street, Galt |
| Dawe Mfg. Co. Limited | 85 Ann St., London |
| Delamere and Williams, Limited | 18 Hook Avenue, Toronto |
| Deimler Refrigeration | 5 Walcott Avenue, Toronto |
| Department of Transport | Ottawa |
| Dillon, Thomas A., Screening Equipment | 1244 Dufferin Street, Toronto |
| Dominion Auto-Drive, Limited | Walkerville |
| Dominion Road Machinery Company, Limited | Maitland Rd., Goderich |
| Dominion Rubber Company, Limited | Elm Street, Kitchener |
| Dominion Welders and Machinery, Limited | 322 Lumsden Avenue, Toronto 13, |
| Dowsell, Lees and Company, Limited | 193 Elgin Street, Hamilton |
| Easy Washing Machine Company, Limited | Miranda and Schell Avenues, Fairbank |
| Epps, C. H. | Clinton |
| Factory Equipment, Ltd. | Berczy Street, Aurora |
| Fairgrieve and Son, Limited | 44 Dovercourt Road, Toronto |
| Fellows, J. A., and Company | 27 Jarvis Street, Brantford |
| Fletcher Manufacturing Company, Limited | 883 Dundas Street East, Toronto |
| Ford-Smith Machine Company, Limited | Cavell Avenue, Hamilton |
| Foreman Marine Equipment, Limited | 49 Leslie Street, Toronto |
| Poster Wheeler, Limited | Eastchester Avenue, St. Catharines |
| Gault Elevator Company | 463 Church Street, Toronto |
| Gibson Machines, | 455 Keele Street, Toronto |
| Gilbert and Barker Manufacturing Company, Limited | 64 Jefferson Avenue, Toronto |
| Greay, Wm. & J.G., Limited | 56 Esplanade, Toronto |
| Gurney Scale Company, Limited | James and Colborne Streets, Hamilton |
| Hall, Fred, and Son | 39 Wentworth Ave., North, Hamilton |
| Hamilton Gear and Machine Company | 76 Van Horne Street, Toronto |
| Harley-Kay, Limited | Water Street, Georgetown |
| Heath and Sherwood | 6 Duncan Avenue, Kirkland Lake |
| Hepburn, John T., Limited | 18 Van Horne and Geary Avenue, Toronto |

LIST OF FIRMS IN THE MACHINERY INDUSTRY, 1945 - Continued

| Name of Firm | Location of Plant |
|--|--|
| <u>Ontario (Continued) -</u> | |
| Hobart Manufacturing Company, Limited | 119 Church Street, Toronto |
| Holman Machines, Limited | 23 Tecumseh Street, Woodstock |
| Hubbard Portable Oven Company of Canada, Limited | 154 Duke Street, Toronto |
| International Business Machines Co., Limited | 300 Campbell Ave., Toronto |
| International Machinery Company | 73 Robert Street and Mars Avenue, Hamilton |
| Jackson-Cochrane, Limited | 16 Victoria Street, Kitchener |
| Jardine, A. B. & Company, Limited | Avenue Street, Hespeler |
| Kennedy, Wm., & Sons, Limited | 1st Avenue West, Owen Sound |
| Ker and Goodwin Machinery Company, Limited | 260 Colborne Street, Brantford |
| Kermath Manufacturing Company of Canada, Limited | 619 King Street West, Toronto |
| Kribs, W.A., Co., Limited | Guelph Avenue, Hespeler |
| La France Fire Engine and Foamite, Limited | 195 Weston Road, Toronto |
| Leitch, Arthur S., Company, Limited | 148 Harrison Street, Toronto |
| Link-Belt, Limited | 791 Eastern Avenue, Toronto, and Elmira |
| Lock, H. H., & Sons, Limited | 221 Sterling Road, Toronto |
| London Concrete Machinery Company, Limited | Cor. Cabell & Kitchener Ave., London |
| Long, E., Limited | Orillia |
| Mahaffy Iron Works, Limited | 145 Kendal Avenue, Toronto |
| Mathews Conveyor Company, Limited | S. John Street, Port Hope |
| Maxwells, Limited | 73 Park Street, St. Mary's |
| McLachlan, John, Estate | Cannington |
| McCaskey Systems, Limited | Beverly Street, Galt |
| McDougall, R., Company, Limited | Chapman Street, Galt |
| McInnis, C. H., Company | 1857 Walker Road, Windsor |
| Merrickville Engineering Company, Limited | Merrickville |
| Morris, Herbert, Crane & Hoist Co., Limited | Stanley Avenue, Niagara Falls |
| National Cash Register Co. of Canada, Limited | 222 Lansdowne Avenue, Toronto |
| National Equipment Company, Limited | 41 Wabash Avenue, Toronto |
| National Refining Company, Limited | 34 Ross Street, Toronto |
| Niagara Screens and Machines, Limited | 20 Breadalbane Street, Toronto |
| Northern Crane & Hoist Works, Limited | Argyle Road, Walkerville |
| Northern Foundry & Machine Company, Limited | 457 Bay Street, Sault Ste. Marie |
| Northern Machine and Tool Company | 278 King Street East, Toronto |
| Oil Well Supply Company, Limited | Robert Street, Petrolia |
| Otis-Fenson Elevator Company, Limited | Victoria Avenue North, Hamilton |
| Outboard Marine & Manufacturing Co. of Canada, Limited | Monaghan Road, Peterborough |
| Peerless Machine and Tool Company, Limited | 59 Duke Street, Guelph |
| Pendrith Machinery Company, Limited | 775 King Street West, Toronto |
| Perrin, William R., Limited | 530 King Street East, Toronto |
| Perrin-Turner, Limited | 530 King Street East, Toronto |
| Plant, W.O. (Estate) | Box 32, Hastings |
| Plewes-Jackson Engineering, Limited | 58 Fraser Avenue, Toronto |
| Pollard Manufacturing Company, Limited | 564 Ferguson Avenue, Niagara Falls |
| Preston Woodworking Machinery Co., Limited | Railway Street, Preston |
| Provincial Butcher's Machinery Co. | 391 Vaughan Rd., Toronto |
| Provincial Engineering Limited | 749 Buttrey St., Niagara Falls |
| Pumps and Softeners, Limited | 680 Waterloo St., London |
| Rae Tool & Engineering, Limited | Shaw and Emerald Streets, Hamilton |
| Remington Rand, Limited | 301 Sherman Avenue North, Hamilton |
| Richardson, C. and Company, Limited | 24 Wellington Street, St. Mary's |
| Richmond Industrial Equipment, Limited | 6 Wellington Street, Toronto |
| Roberts, F. W., Manufacturing Company of Canada, Limited | 695 Buttrey Avenue, Niagara Falls |
| Roelfson Elevator Company, Limited | 289 Sumach Street, Toronto |
| Sawyer-Massey, Limited | Wellington Street North, Hamilton |
| Scott Engineering Company, Limited | 4289 Dundas St., Toronto |
| Service Station Equipment Company, Limited | 101 Hanson Street, Toronto |
| Shank Conveyor and Washer Company | 586 Yonge St., Toronto |
| Smart-Turner Machine Company, Limited | 191 Barton Street East, Hamilton |
| Smillie Steel Products, Limited | 132 Liberty Street, Toronto |

LIST OF FIRMS IN THE MACHINERY INDUSTRY, 1945, ContinuedName of FirmLocation of PlantOntario (Concluded) -

| | |
|---|---------------------------------------|
| Smith, I.C. & Corona Typewriters of Canada, Limited | 37 Front Street East, Toronto |
| Smith and Travers Company, Limited | 208 Walnut Street, Sudbury |
| Specialty Equipment Company | 815 Queen Street West, Toronto |
| Stephens-Adamsen Manufacturing Company of Canada, Limited | 30 Franklin Street, Belleville |
| Stevens Company of Galt, Limited | 10 Rose Street, Galt |
| St. Lawrence Engine Company, Limited | St. Andrews Street, Brockville |
| Thor-Canadian Company, Limited | 888 Dupont St., Toronto |
| Toronto Textile Machinery Company | 25 St. Patrick Street, Toronto |
| Truck & Tractor Equipment Co. Ltd. | 34 Noble St., Toronto |
| Turnbull Elevator Company, Limited | 126 John Street, Toronto |
| Toronto Engine Works, Limited | 2 Laird Drive, Leaside |
| Underwood Elliott Fisher Manufacturing Company, Limited | 354 Victoria Street, Toronto |
| United Steel Corporation, Limited | 58 Pelham Ave., Toronto, and Windsor, |
| | 317 South Main Street, Welland |
| Viking Pump Company of Canada, Limited | 661 Grove Avenue, Windsor |
| Vulcan Metalcraft Ltd., | 1950 Queen Street East, Toronto |
| Walker-Wallace, Limited | 17 Cornwall Street, Toronto |
| Wallace & Tiernan, Limited | 350 Sorauren Avenue, Toronto |
| Waterloo Manufacturing Company, Limited | 67 King Street South, Waterloo |
| Waterous, Limited | South Market Street, Brantford |
| Wayne Pump Company | 48 Abell Street, Toronto |
| Wayne Forge & Machine Company, Limited | 256-E Adelaide Street West, Toronto |
| Weaver Industries, Limited | 341 Richmond Street, Chatham |
| Webster Air Equipment Company, Limited | 140 Ann St., London |
| Webster Brothers | 1161 King St., London |
| Welland Machine & Tool, Limited | Victoria Street, Welland |
| Westco Pump & Engineering, Limited | 220 King Street West, Toronto |
| Williams Machines, Limited | 311 Montrose Street, Preston |
| Williams Tool Corporation of Canada, Limited | 36 Bridge Street, Brantford |
| Woodstock Machinery, Limited | 655 Canterbury, Woodstock |
| Wright Industries, Limited | 37-39 McCaul Street, Toronto |
| Yates, P.B., Machine Company, Limited | Cavell Avenue, Hamilton |

Manitoba -

| | |
|--|---|
| Acme Fan & Blower Co., Limited | 868 Arlington St., Winnipeg |
| Alpha Manufacturing Company, Limited | Midland and Notre Dame Avenue, Winnipeg |
| Forever Industries, Limited | 154 Princess Street, Winnipeg |
| Guarantee Laundry and Dry Cleaning Machinery Company | 838 Winnipeg Street, Winnipeg |
| Hart-Emmerson Company Ltd. | 1425 Whyte Ave., Winnipeg |
| Kipp-Kelly, Limited | 68 Higgins Avenue, Winnipeg |
| Leeders Limited | 1375 Portage Ave., Winnipeg |
| Maytag Company, Ltd. | Winnipeg |
| Roberts, Wm., & Sons | 120 Lombard Street, Winnipeg |
| Strong, Scott Manufacturing Company, Limited | 772 Dufferin Avenue, Winnipeg |

Saskatchewan -

| | |
|--|--------------------------------------|
| Epp, P. A. | Rosthern |
| Greggs Machinery Exchange | 6th Avenue & Halifax, Regina |
| Richardson Road Machinery Company, Limited | 112 Avenue 1 South, Saskatoon |
| Western Machine Works, Limited | 6th Avenue and Scarth Street, Regina |
| Universal Grain Loader Company | Grayson |

Alberta -

| | |
|-----------------------------------|-------------------------------|
| Coutts Machinery Company, Limited | 10569 - 95th Street, Edmonton |
|-----------------------------------|-------------------------------|

British Columbia -

| | |
|-------------------------------------|-------------------------------------|
| Allard Machine Works, Limited | 1031 Quebec Street, New Westminster |
| Boyles Bros. Drilling Company Ltd. | 1291 Parker St., Vancouver |
| Canadian Sumner Iron Works, Limited | 3550 East Broadway, Vancouver |

LIST OF FIRMS IN THE MACHINERY INDUSTRY, 1945 - Concluded

| Name of Firm | Location of Plant |
|--|--|
| <u>British Columbia (Concluded) -</u> | |
| Easthope Bros., Limited | 1747 West Georgia Street, Vancouver |
| Empire Manufacturing Company, Limited | 1201 West 6th Street, Vancouver |
| Gearmatic Co., | 356 Alexander Street, Vancouver |
| Gilchrist Engineering Company, Limited | 135 West 2nd Avenue, Vancouver |
| Heaps Engineering, Limited | Ewen Avenue, New Westminster |
| Lawrence Manufacturing Company, Limited | 595 West 8th Avenue, Vancouver |
| Leland Manufacturing Company | 550 Union Street, Vancouver |
| Letson & Burpee, Limited | 172 Alexander Street, Vancouver |
| Lipsett Engine and Manufacturing Co., Limited | 1315 Powell St., Vancouver |
| Marine Iron Works, Limited | 515 Pembroke Street, Victoria |
| Murray-Lata Machine Company, Limited | 311 - 2nd Avenue West, Vancouver |
| Murdie, G.B., Limited | Harbour Road, Industrial Reserve, Victoria |
| National Manufacturing & Sales | 1623 West 2nd Avenue, Vancouver |
| Nicholson & Sons | 666 Alexander Street, Vancouver |
| Opsal Steel Company, Limited | 97 East 2nd Avenue, Vancouver |
| Paragon Equipment Manufacturing Company, Limited | 845 E. Hastings Street, Vancouver |
| Power Machinery Limited | 148 East 3rd Avenue, Vancouver |
| Progressive Engineering Works, Limited | 360 First Avenue West, Vancouver |
| Pumps and Power, Limited | 1380 Napier Street, Vancouver |
| Simplex Engine and Manufacturing Co., Limited | 1865 West Georgia Street, Vancouver |
| Tye Machinery Company, Limited | Lot 71, Granville Island, Vancouver |
| Vancouver Machinery Depot, Limited | 1155 West 6th Avenue, Vancouver |
| Vivian Diesels and Munitions, Limited | 1660 Station Street, Vancouver |
| Vivian, W., Engine Works | 1100 - 6th Avenue West, Vancouver |
| Wagstaff Hoist, Limited | 955 Kingsway, Vancouver |
| Webb & Gifford, Limited | 222 Front Street, New Westminster |

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