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CANADA

THE BOILERS AND PLATE WORK INDUSTRY 1953



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries, \$1.50
- II—The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

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

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

THE BOILERS AND PLATE WORK INDUSTRY

1953

Factory shipments by the 82 establishments in the Boilers and Plate Work Industry in 1953 were valued at \$97,649,143. Forty-three of these works were located in Ontario, 17 in Quebec, 11 in British Columbia, 8 in Alberta, 2 in Manitoba and 1 in Saskatchewan. These concerns gave employment to 8,958 people who were paid \$32,480,753 in salaries and wages. Materials used in manufacturing processes cost \$37,290,528 and expenditures for fuel and electricity amounted to \$1,131,868.

Tables 1 to 4 and Tables 7 to 10 of this report deal with the Boilers and Plate Work Industry which covers the operations of the establishments that make as their chief products such articles as heating and power boilers, heating radiators, tanks and miscellaneous products from steel plate, such as bins, hoppers, smokestacks, etc. Tables 5 and 6 give the totals for Canada, from all industries, covering the production of boilers and radiators. The total output value in 1953 for heating and power boilers was \$18,472,703 and for heating radiators \$9,079,028.

TABLE 1. Principal Statistics of the Boilers and Plate Work Industry, 1949-1953

| Year | Number of plants | 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 |
|---------------------------------------|------------------|---------------------|--------------------|---------------------------------------|----------------------------|--|
| | | | \$ | \$ | \$ | \$ |
| 1949 | 56 | 6,642 | 17,980,051 | 803,646 | 20,156,193 | 54,562,093 |
| 1950 | 56 | 6,223 | 17,904,443 | 791,745 | 20,982,184 | 60,089,965 |
| 1951 | 64 | 7,490 | 24,268,698 | 912,743 | 27,339,236 | 75,081,142 |
| 1952 | 74 | 8,159 | 28,269,151 | 944,589 | 36,028,035 | 90,428,315 ¹ |
| 1953 | 82 | 8,958 | 32,480,753 | 1,131,868 | 37,290,528 | 97,649,143 ¹ |
| Per cent change, 1953 from 1952 | — | +9.8 | +14.9 | +19.8 | +3.5 | +8.0 |

1. Factory shipments since 1952. The inventory value of finished products at plant at end of 1952 amounted to \$3,405,000 and at end of 1953 to \$4,038,000.

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

TABLE 2. Principal Statistics of the Boilers and Plate Work Industry, by Provinces, 1952 and 1953

| Province | Number of plants | Number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of materials at works | Value of factory shipments |
|------------------------|------------------|---------------------|--------------------|---------------------------------------|----------------------------|----------------------------|
| | | | \$ | \$ | \$ | \$ |
| 1952 | | | | | | |
| Quebec | 16 | 1,482 | 4,769,256 | 184,394 | 4,258,553 | 14,995,341 |
| Ontario | 42 | 6,087 | 21,348,758 | 669,423 | 27,888,979 | 68,275,113 |
| Alberta | 4 | 76 | 250,286 | 11,432 | 320,168 | 573,261 |
| British Columbia | 9 | 359 | 1,399,058 | 59,035 | 2,551,844 | 4,703,549 |
| Manitoba | 2 | 155 | 501,793 | 20,305 | 1,008,491 | 1,881,051 |
| Saskatchewan | 1 | | | | | |
| Canada | 74 | 8,159 | 28,269,151 | 944,589 | 36,028,035 | 90,428,315 |
| 1953 | | | | | | |
| Quebec | 17 | 1,947 | 6,121,743 | 209,096 | 4,953,671 | 16,603,632 |
| Ontario | 43 | 6,172 | 23,000,485 | 765,955 | 27,553,465 | 71,650,475 |
| Alberta | 8 | 156 | 497,650 | 31,338 | 748,911 | 1,585,030 |
| British Columbia | 11 | 531 | 2,335,619 | 89,085 | 2,415,508 | 5,301,522 |
| Manitoba | 2 | 152 | 525,256 | 36,394 | 1,618,973 | 2,508,484 |
| Saskatchewan | 1 | | | | | |
| Canada | 82 | 8,958 | 32,480,753 | 1,131,868 | 37,290,528 | 97,649,143 |

TABLE 3. Products Made in the Boilers and Plate Work Industry, 1952 and 1953

| Product | 1952 | | 1953 | |
|--|---------------------|----------------------------|-----------|----------------------------|
| | Quantity | Value of factory shipments | Quantity | Value of factory shipments |
| | | \$ | | \$ |
| Heating boilers: | | | | |
| Cast iron sectional heating boilers: | | | | |
| (a) 240-775 sq. ft. | No. 6,987 | 1,411,551 | 7,835 | 1,251,026 |
| (b) 776-1,499 sq. ft. | " 2,032 | 725,853 | 2,109 | 727,226 |
| (c) 1,500 sq. ft. and over | " 1,700 | 916,284 | 1,742 | 1,277,245 |
| Steel heating boilers: | | | | |
| (a) 240-775 sq. ft. | No. 935 | 1,404,822 | 1,838 | 1,025,691 |
| (b) 776-1,499 sq. ft. | " 179 | 353,701 | 477 | 337,256 |
| (c) 1,500 sq. ft. and over | " 110 | 1,807,429 | 391 | 633,362 |
| Power boilers: | | | | |
| Water tube: | | | | |
| Horizontal type | — | — | — | — |
| Vertical type | No. — | — | 1 | 5,800 |
| Bent tube type | " 243 | 6,536,043 | 232 | 7,258,392 |
| Return tubular power, horizontal | " 194 | 712,847 | 175 | 590,260 |
| Marine type | " 16 | 265,514 | 46 | 543,225 |
| Steel firebox, locomotive type | " 15 | 135,452 | 19 | 149,093 |
| Fire tube, vertical type | " 22 | 29,856 | 18 | 17,838 |
| All other power boilers | " 50 | 122,138 | 42 | 49,745 |
| Boiler parts | — | 2,117,789 | — | 2,710,852 |
| Radiators, heating: | | | | |
| Steel and cast iron, standing | sq. ft. } 5,231,440 | 3,596,901 | 6,127,295 | 4,057,118 |
| Steel and cast iron, concealed | " } | | | |
| Fabricated products: | | | | |
| Steel plate (cut, punched, shaped or otherwise fabricated for assembly on job) | tons 26,174 | 7,099,312 | — | 7,336,569 |
| Structural shapes (cut, punched, shaped or otherwise fabricated for assembly on job) | tons 7,621 | 1,750,204 | — | 2,051,263 |
| Miscellaneous plate work: | | | | |
| Bins and hoppers | — | 531,594 | — | 500,285 |
| Smokestacks | — | 218,411 | — | 163,536 |
| Smoke breeching | — | 204,053 | — | 351,090 |
| Rivetted and welded steel pipe | — | 1,325,834 | — | 864,210 |
| Other plate work | — | 4,426,804 | — | 5,204,429 |
| Tanks: | | | | |
| Steel, storage, for water and fuel oil | — | 10,148,894 | — | 12,704,859 |
| Steel, septic | — | 331,822 | — | 181,699 |
| All other tanks | — | 3,332,581 | — | 5,156,569 |
| Tank heaters for domestic water supply | No. 14,564 | 1,198,505 | 18,117 | 1,501,350 |
| Pumps, all kinds, and parts | — | 937,254 | — | 1,503,800 |
| Engines and parts | — | 1,095,946 | — | 880,074 |
| Stokers, mechanical, and parts | — | 598,215 | — | 1,086,388 |
| Furnaces, warm air | No. 15,575 | 2,338,253 | 2,897 | 282,476 |
| Receipts from custom work and repairs | — | 7,027,017 | — | 6,922,437 |
| All other products ¹ | — | 27,727,436 | — | — |
| Total | — | 90,428,315 | — | 97,649,143 |

1. Includes data for items made by less than 3 firms, such as cast iron soil pipe, air compressors, pulverizers, washing machines, etc.

Note. Data in this table are for the Boilers and Plate Work Industry, which includes only the manufacturers who made boilers, tanks, etc., as their main products. Figures for the individual commodities may not represent the total output in Canada as these articles may have been made also in other industries. (See Tables 5 and 6 for totals from all industries).

TABLE 4 Materials Used in the Boilers and Plate Work Industry, 1952 and 1953

| material | 1952 | | 1953 | |
|---|----------|---------------|----------|---------------|
| | Quantity | Cost at works | Quantity | Cost at works |
| | | \$ | | \$ |
| Iron: | | | | |
| Pig iron..... tons | 25,577 | 1,458,880 | 24,869 | 1,436,922 |
| Steel (except alloy): | | | | |
| Bars and rods..... tons | 5,079 | 688,490 | 6,703 | 974,625 |
| Sheets: | | | | |
| Black..... tons | 14,839 | 2,552,263 | 23,775 | 3,213,514 |
| Galvanized..... " | 1,204 | 216,501 | 481 | 76,531 |
| Tin plate..... " | 222 | 40,792 | 250 | 44,028 |
| Plates..... " | 77,404 | 10,066,714 | 81,412 | 10,351,694 |
| Structural shapes..... " | 9,705 | 1,501,303 | 15,122 | 1,957,301 |
| Boiler tubes..... " | — | 3,283,631 | — | 1,725,218 |
| Wire..... tons | 22 | 8,130 | 46 | 12,484 |
| Alloy steel: | | | | |
| Stainless: | | | | |
| Billets, bars and rods..... " | — | 68,133 | — | 70,622 |
| Other..... " | — | 935,316 | — | 900,117 |
| Other alloy steel..... " | — | 300,824 | — | 225,285 |
| Scrap iron and steel: | | | | |
| Purchased..... tons | 20,738 | 960,576 | 17,599 | 669,589 |
| Own make..... " | 2,894 | 130,511 | 3,303 | 148,091 |
| Other iron and steel..... " | — | 1,857,495 | — | 2,189,830 |
| Ferro-alloys..... " | — | 222,126 | — | 127,652 |
| Non-ferrous metals, including scrap: | | | | |
| Aluminum: | | | | |
| Castings..... pounds | 227,407 | 213,723 | 325,560 | 301,418 |
| Sheet..... " | 27,237 | 10,368 | 35,702 | 13,063 |
| Other forms..... " | 85,687 | 34,161 | 14,718 | 3,000 |
| Brass and bronze..... " | 748,239 | 356,945 | 535,215 | 289,316 |
| Copper: | | | | |
| Sheet..... pounds | 81,585 | 40,451 | 32,548 | 18,815 |
| Wire..... " | — | — | — | — |
| Other forms..... pounds | 113,383 | 48,648 | 33,182 | 16,462 |
| Nickel..... " | 6,092 | 3,706 | 5,230 | 3,514 |
| Lead..... " | 126,885 | 31,698 | 148,429 | 35,864 |
| Tin..... " | 344 | 435 | — | — |
| Zinc..... " | — | — | 4,157 | 613 |
| Babbitt metals and solders..... " | 26,787 | 25,135 | 28,319 | 28,983 |
| Other non-ferrous metals..... " | — | 5,337 | — | 1,836 |
| Other materials: | | | | |
| Iron and steel pipe and fittings..... " | — | 635,488 | — | 1,038,277 |
| Paints, oils and varnishes..... " | — | 230,354 | — | 263,249 |
| Foundry coke..... tons | 12,233 | 344,233 | 11,236 | 321,298 |
| Moulding sands..... " | 8,111 | 68,422 | 8,103 | 70,296 |
| Core sands..... " | 15,167 | 65,301 | 12,539 | 49,569 |
| Other foundry sands..... " | 1,020 | 21,021 | 409 | 13,576 |
| Plumbago and graphite..... pounds | 11,130 | 1,235 | 6,699 | 788 |
| Lumber..... M ft. b.m. | 1,832 | 185,848 | 2,165 | 218,208 |
| Firebrick..... " | — | 63,954 | — | 39,672 |
| Fireclay..... tons | 1,549 | 33,166 | 1,932 | 40,717 |
| Cupola blocks..... " | — | 9,080 | — | 8,909 |
| Core oil..... Imp. gals | 33,346 | 46,609 | 45,851 | 55,156 |
| Sulphuric acid, 100%..... pounds | 6,350 | 121 | 325 | 32 |
| Shipping containers..... " | — | 217,705 | — | 262,565 |
| All other materials..... " | — | 9,043,206 | — | 10,071,829 |
| Total..... " | — | 36,028,035 | — | 37,290,528 |

TABLE 5. Factory Shipments¹ of Heating and Power Boilers, 1952 and 1953 (From all industries)

| Type | 1952 | | 1953 | |
|--------------------------------------|-------------------|----------------------------|-------------------|----------------------------|
| | Number of boilers | Value of factory shipments | Number of boilers | Value of factory shipments |
| | | \$ | | \$ |
| Heating boilers: | | | | |
| Cast iron sectional heating boilers: | | | | |
| (a) 240-775 sq. ft. | 8,205 | 1,696,073 | 9,204 | 1,431,423 |
| (b) 776-1,499 sq. ft. | 2,290 | 795,561 | 2,620 | 918,091 |
| (c) 1,500 sq. ft. and over | 1,816 | 949,577 | 2,135 | 1,569,104 |
| Steel heating boilers: | | | | |
| (a) 240-775 sq. ft. | 3,197 | 2,442,763 | 3,679 | 2,022,930 |
| (b) 776-1,499 sq. ft. | 504 | 711,431 | 862 | 768,707 |
| (c) 1,500 sq. ft. and over | 167 | 1,923,197 | 510 | 758,158 |
| Power boilers: | | | | |
| Water tube, horizontal type | 11 | 339,106 | 18 | 450,224 |
| Water tube, vertical type | — | — | 7 | 12,100 |
| Water tube, bent tube type | — | 7,868,469 | — | 8,284,780 |
| Horizontal return tubular | 208 | 846,606 | 199 | 826,159 |
| Marine type | 26 | 322,798 | 53 | 568,002 |
| Steel firebox, locomotive type | 23 | 169,182 | 23 | 204,098 |
| Firetube, vertical type | 47 | 143,165 | 29 | 44,878 |
| Boilers, type not specified | — | 734,279 | — | 608,056 |
| Total | — | 18,942,207 | — | 18,472,703 |

1. See footnote to Table 3.

TABLE 6. Total Production¹ of Heating Radiators, 1944-1953 (From all industries)

| Year | Cast iron standing type | | Cast iron concealed type | | Convectors (steel and non-ferrous types) | | Total | |
|-------------------------|-------------------------|-----------|--------------------------|--------|--|-----------|------------|-----------|
| | Sq. ft. | Value | Sq. ft. | Value | Sq. ft. | Value | Sq. ft. | Value |
| | | \$ | | \$ | | \$ | | \$ |
| 1944 | 6,845,653 | 2,018,723 | 138,236 | 47,812 | 576,518 | 190,891 | 7,560,407 | 2,257,426 |
| 1945 | 7,179,133 | 2,211,187 | | | 1,126,593 | 424,872 | 8,305,726 | 2,636,059 |
| 1946 | 8,006,871 | 2,786,500 | | | 1,641,127 | 649,034 | 9,647,998 | 3,435,534 |
| 1947 | 8,726,693 | 3,571,129 | | | 3,448,921 | 1,094,077 | 12,175,614 | 4,665,206 |
| 1948 | 8,644,853 | 4,115,098 | | | 4,868,121 | 2,244,819 | 13,512,974 | 6,359,917 |
| 1949 | 7,163,072 | 3,617,605 | | | 5,444,115 | 2,543,305 | 12,607,187 | 6,160,910 |
| 1950 | 7,250,054 | 3,761,761 | | | 6,922,053 | 3,180,440 | 14,172,107 | 6,942,201 |
| 1951 | 7,489,125 | 4,474,647 | | | 9,503,702 | 5,117,269 | 16,992,827 | 9,591,916 |
| 1952 ² | 5,263,434 | 3,622,315 | | | 7,990,079 | 4,393,017 | 13,253,513 | 8,015,333 |
| 1953 | 6,346,714 | 4,195,740 | | | 8,659,792 | 4,883,288 | 15,006,506 | 9,079,028 |

1. Factory shipments since 1952.

2. Totals shown in 1952 bulletin for individual types have been revised.

TABLE 7. Employees and Their Earnings in the Boilers and Plate Work Industry, by Provinces, 1952 and 1953

| Province | Number of employees | | | | | Earnings | | |
|------------------------|------------------------|------------|--------------------|------------|--------------|------------------------|--------------------|-------------------|
| | Supervisory and office | | Production workers | | Total | Supervisory and office | Production workers | Total |
| | Male | Female | Male | Female | | | | |
| | | | | | | \$ | \$ | \$ |
| 1952 | | | | | | | | |
| Quebec | 260 | 47 | 1,165 | 10 | 1,482 | 1,216,453 | 3,552,803 | 4,769,256 |
| Ontario | 1,294 | 431 | 4,245 | 117 | 6,087 | 6,965,305 | 14,383,453 | 21,348,758 |
| British Columbia | 62 | 15 | 280 | 2 | 359 | 371,621 | 1,027,437 | 1,399,058 |
| Other provinces | 30 | 7 | 194 | — | 231 | 159,916 | 592,163 | 752,079 |
| Total | 1,646 | 500 | 5,884 | 129 | 8,159 | 8,713,295 | 19,555,856 | 28,269,151 |
| 1953 | | | | | | | | |
| Quebec | 292 | 70 | 1,572 | 13 | 1,947 | 1,453,019 | 4,668,724 | 6,121,743 |
| Ontario | 1,342 | 445 | 4,209 | 176 | 6,172 | 7,559,787 | 15,440,698 | 23,000,485 |
| Alberta | 44 | 11 | 101 | — | 156 | 163,240 | 334,410 | 497,650 |
| British Columbia | 96 | 30 | 400 | 5 | 531 | 574,246 | 1,761,373 | 2,335,619 |
| Other provinces | 18 | 2 | 132 | — | 152 | 100,675 | 424,581 | 525,256 |
| Total | 1,792 | 558 | 6,414 | 194 | 8,958 | 9,850,967 | 22,629,786 | 32,480,753 |

TABLE 8. Capital and Repair Expenditures in the Boilers and Plate Work Industry, 1949-1953

| Year | Capital expenditures | | | Sub-total | Repair and maintenance expenditures | | Sub-total | Total capital and repair expenditures |
|-------------------------|----------------------|-------------------------|--------------|-----------|-------------------------------------|-------|-----------|---------------------------------------|
| | Construction | Machinery and equipment | Construction | | Machinery and equipment | | | |
| | | | | | | | | |
| | \$'000 | | | | | | | |
| 1949 | 220 | 1,329 | 1,549 | 264 | 1,449 | 1,713 | 3,262 | |
| 1950 | 1,172 | 1,362 | 2,534 | 207 | 1,641 | 1,848 | 4,382 | |
| 1951 | 896 | 2,301 | 3,197 | 264 | 2,190 | 2,454 | 5,651 | |
| 1952 | 871 | 1,590 | 2,461 | 328 | 2,134 | 2,462 | 4,923 | |
| 1953 ¹ | 1,149 | 2,252 | 3,401 | 365 | 2,104 | 2,469 | 5,870 | |

1. Preliminary.

TABLE 9. Fuel and Electricity Used¹ in the Boilers and Plate Work Industry, 1948 and 1953

| Kind | Unit of measure | 1948 | | 1953 | |
|---|-----------------|------------|----------------|------------|------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | | | |
| | | | \$ | | \$ |
| Bituminous coal: | | | | | |
| From Canadian mines | ton | 3,743 | 45,389 | 2,641 | 34,427 |
| Imported | ton | 18,052 | 174,751 | 18,598 | 200,669 |
| Sub-bituminous coal (from Alberta mines only) | ton | — | — | 161 | 1,290 |
| Anthracite coal | ton | 1,907 | 21,424 | 82 | 1,756 |
| Lignite coal | ton | 220 | 969 | — | — |
| Coke | ton | 1,138 | 16,533 | 285 | 5,962 |
| Gasoline | Imp. gal. | 208,487 | 70,455 | 391,996 | 146,722 |
| Kerosene | Imp. gal. | 8,104 | 1,851 | 11,669 | 2,992 |
| Fuel oil | Imp. gal. | 714,372 | 106,050 | 1,435,318 | 167,109 |
| Wood | cord | 572 | 7,274 | 256 | 3,795 |
| Gas: | | | | | |
| Liquefied petroleum gases (propane, etc.) | Imp. gal. | 2 | 2 | 2,284 | 424 |
| Other manufactured gas | M cu. ft. | 8,200 | 11,827 | 44,559 | 45,745 |
| Natural gas | M cu. ft. | 2,892 | 1,925 | 21,315 | 7,847 |
| Other fuel | — | — | 1,556 | — | 5,140 |
| Electricity purchased | k.w.h. | 22,577,173 | 262,208 | 36,716,665 | 507,990 |
| Total cost | — | — | 722,212 | — | 1,131,868 |
| Electricity generated for own use | k.w.h. | 775,000 | — | 1,500 | — |

1. Details shown in Tables 9 and 10 are collected only every five years; accordingly, data for intervening years are not available.

2. Not collected separately.

TABLE 10. Power Equipment¹, 1948 and 1953

| | Ordinarily in use | | In reserve or idle | |
|--|-------------------|-------------------------|--------------------|-------------------------|
| | Number of units | Total rated horse power | Number of units | Total rated horse power |
| 1948 | | | | |
| Steam engines and steam turbines | 32 | 2,378 | 1 | 8 |
| Diesel engines | — | — | 1 | 40 |
| Gasoline, gas and oil engines, other than Diesel engines | 65 | 1,947 | 3 | 78 |
| Total primary | 97 | 4,325 | 5 | 126 |
| Electric motors run by purchased power | 2,006 | 20,516 | 36 | 660 |
| Total | 2,103 | 24,841 | 41 | 786 |
| Electric motors run by above primary units | 41 | 627 | 7 | 162 |
| Boilers for power purposes only | 17 | 4,030 | 3 | 650 |
| Motor-generator sets | 80 | 1,907 k.v.a. | 20 | 249 k.v.a. |
| 1953 | | | | |
| Steam engines and steam turbines | 12 | 890 | 3 | 546 |
| Diesel engines | 5 | 605 | — | — |
| Gasoline, gas and oil engines, other than Diesel engines | 102 | 3,764 | 16 | 924 |
| Total primary | 119 | 5,259 | 19 | 1,470 |
| Electric motors run by purchased power | 4,927 | 42,201 | 412 | 3,327 |
| Total | 5,046 | 47,460 | 431 | 4,797 |
| Boilers for power purposes only | 8 | 1,407 | — | — |
| Motor-generator sets | 53 | 2,421 k.v.a. | 31 | 750 k.v.a. |

1. See footnote to Table 9.

List of Firms in the Boilers and Plate Work Industry, 1953

| Name of firm | Location of plant |
|--|--|
| Quebec: | |
| Boilers Incorporated | 932 St. George St., Montreal |
| Canadian Erectors Mfg. Ltd. | 5441 Notre Dame St. W., Montreal |
| Dominion Welding Engineering Co. Ltd. | 6898 Notre Dame St. E., Montreal |
| Douglas Bros. Ltd. | 4090 Namur St., Montreal |
| Drummond Welding & Steel Works Ltd. | 5370 York St., Montreal |
| Ferro Metal Ltd. | 9500 St. Lawrence Blvd., Montreal |
| Latulippe, Michel, Enrg. | 305 Dorchester St., Quebec |
| Les Entreprises Raoul Auger Ltée | 8456 Heney St., Ville St. Michel, Montreal |
| National Welding Co. Ltd. | 2965 Notre Dame St. E., Montreal |
| N. F. L. Welding and Manufacturing | 1929 Grant Ave., Longueuil Annex, Montreal |
| Northern Steel Industries Limited | 5335 York St., Montreal |
| Radiateur Plessis, Limitée | Plessisville |
| St. Maurice Industries Co. | Cap-de-la-Madeleine |
| Superheater Co. Ltd., The | 14 Drummond Road, Sherbrooke |
| Vidal, H. C., Enrg. | 515 Carillon St., Montreal |
| Warden King, Limited | 2104 Bennett Ave., Montreal |
| Weir, J. & R., Limited | 33 Nazareth St., Montreal |
| Ontario: | |
| Aga Steel Radiators of Canada Ltd. | Ajax |
| Allen Tank & Welding Co. Ltd. | 271 Hamilton Road, London |
| Babcock-Wilcox & Goldie-McCulloch, Limited | 64-68 Grand Ave. S., Galt |
| Bell, Robert, Industries Ltd. | Seaforth |
| Brown Flintube (Canada) Limited | 95 Woodworth Ave., St. Thomas |
| Campbell Steel & Iron Works, Limited | 855 Carling Ave., Ottawa |
| Charlton Steel Products | P. O. Box 64, Townsroad, New Toronto |
| Chatham Erecting Co. Limited | 35 Colborne St., Chatham |

List of Firms in the Boilers and Plate Work Industry, 1953 - Concluded

| Name of firm | Location of plant |
|--|--|
| Ontario—concluded: | |
| Cockram, W., & Co. | Paris |
| Collingwood Steel Products | Collingwood |
| Diamalloy Manufacturing Limited | 2316-18 Gerrard St. E., Toronto 13 |
| Dominion Welding Engineering Company Limited | 2805 Dufferin St., Toronto |
| Eastern Welding Co. Ltd. | Box 156, Postal Station "H", Toronto 13 |
| Foster Wheeler, Limited | 81 Eastchester Ave., St. Catharines |
| Glitsch, Fritz W., & Sons (Canada) Ltd. | Brock St., Uxbridge |
| Hamilton Boiler Works | 645-649 Main St. W., Hamilton |
| Hassan Steel Fabricators Limited | 223 Ashland Ave., London |
| Horton Steel Works, Limited | Jennet St., Fort Erie |
| Ideal Welding Co. Limited | 195 Duchess St., Toronto |
| Imperial Welding Co. Limited | 370 Bay St., Sault Ste. Marie |
| Inglis, John, Co., Limited | 14 Strachan Ave., Toronto |
| Lee Products Limited | 410 Hopewell Ave., Toronto |
| Leonard, E., & Sons, Ltd. | 381 York St., London |
| Lloyd & Westwood Machinery Company | 346 Dufferin St., Toronto |
| MacDonald, John, & Co. | 1456 Victoria Park Ave., Toronto |
| MacPherson, C.E. | 468 Rideau St., Kingston |
| Meaford Tank Company | Meaford, Ontario |
| Napanee Iron Works, Limited | Ann St., Napanee |
| Nat Weld Steel Products Ltd. | 1 Glen Scarlett Road, Toronto 9 |
| Oakwood Iron Works Limited | 644 Rogers Road, Toronto |
| O'Connor Fuel Tanks Ltd. | 15 Bermondsey Rd., Toronto |
| Pendell Boiler, Limited | 50 Bartlett Ave., Toronto |
| Plate & Structural Steel Ltd. | 48 Abell St., Toronto |
| Port Colborne Iron Works, Limited | Fraser St., Port Colborne |
| Ridge Welding & Steel Limited | Ridgeway |
| Standard Sanitary & Dominion Radiator, Ltd. | 1251 Dupont St., Toronto |
| Steel Fabricating & Welding, Limited | Brock & Hatt Sts., Dundas |
| Taylor-Forbes (1953) Limited | 5 Queen St. E., Guelph |
| Toronto Iron Works, Limited | 629 Eastern Ave., Toronto |
| Warden Welding Works | 5 Malley Road, Scarboro |
| West Machinery Limited | Wellington St., Simcoe |
| Wilson Engineering & Fabricating, Ltd. | Beach Road, Hamilton |
| Woodstock Boiler Works | 217 Russell St., Woodstock |
| Manitoba: | |
| Canadian Brown Steel Tank Co. Ltd. | Brandon |
| Greensteel Industries Ltd. | 975 Logan Ave., Winnipeg |
| Saskatchewan: | |
| Northwestern Iron Works, Ltd. | 1419 Scarth St., Regina |
| Alberta: | |
| Black, Sivals & Bryson, Ltd. | 6203-104th St., Edmonton |
| Calgary Steel Tank, Limited | 517 8th Ave. W., Calgary |
| Cumming's Welding Shop | 9548-102nd Ave., Edmonton |
| Edmonton Steel Fabricators Ltd. | Cooking Lake Trail, Highway 14, Edmonton |
| Johnson Welding & Machine Shop Ltd. | Lloydminster |
| Liberty Welding & Boiler Works | 1402-2nd Ave. S., Lethbridge |
| People's Welding Shop | 142-1 Ave. E., Calgary |
| Universal Industries Ltd. | Lloydminster |
| British Columbia: | |
| Blain Boiler Works, Ltd. | 494 Railway St., Vancouver |
| Bobbie & Grand Equipment & Welding Co. | 1915 Fir St., Vancouver |
| Heat Pump Limited | 462 E. 5th Ave., Vancouver |
| Industrial Coatings Ltd. | 237 East 4th Ave., Vancouver |
| Mainland Boiler Works | 496 Alexander St., Vancouver |
| Patterson Boiler Works, Limited | 736 Alexander St., Vancouver |
| Royal City Welding & Iron Works, Ltd. | 1027 Royal Ave., New Westminster |
| Vancouver Iron Works, Ltd. | 1155 W. 6th Ave., Vancouver |
| Welding Shop & Engineering Co. Ltd. | 1600 Main St., Vancouver |
| Western Welding Works Ltd. | 878 Powell St., Vancouver 4 |
| Westminster Boiler & Tank Company | 114-11th St., New Westminster |

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