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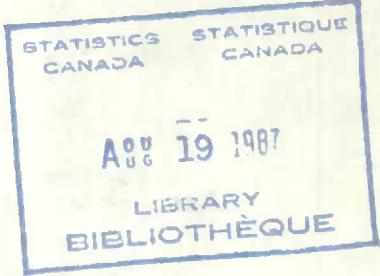
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# THE BOILERS AND PLATE WORK INDUSTRY

## 1954



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## NOTICE

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

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

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

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

- A — General Review, 25¢
- B — The Agricultural Implements Industry, 25¢
- C — The Boilers and Plate Work Industry, 25¢
- D — The Bridge Building and Structural Steel Industry, 25¢
- E — The Hardware, Tools and Cutlery Industry, 25¢
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- 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 1954

Factory shipments by the 89 establishments in the Boilers and Plate Work Industry in 1954 were valued at \$87,623,775. Forty-eight of these works were located in Ontario, 17 in Quebec, 11 in British Columbia, 8 in Alberta, 4 in Manitoba and 1 in Saskatchewan. These concerns gave employment to 8,127 people who were paid \$30,547,703 in salaries and wages. Materials used in manufacturing processes cost \$35,858,003 and expenditures for fuel and electricity amounted to \$1,160,741.

Tables 1 to 4 and Tables 7 to 11 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 1954 for heating and power boilers was \$16,349,051 and for heating radiators, \$9,209,275.

**NOTE:** Figures for value added by manufacture shown in Table 1, prior to 1952, were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952, the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954, information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figure for 1954.

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

Year	Establishments	Employees	Earnings	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
1929	37	2,157	3,043,768	163,137	5,091,406	4,751,735	10,006,278
1933	50	1,572	1,742,257	168,784	1,553,690	2,722,782	4,445,256
1937	54	2,936	3,694,393	226,991	4,872,296	6,112,214	11,211,501
1939	41	2,491	3,150,560	217,111	3,673,208	4,909,487	8,799,806
1943	38	5,469	11,086,571	547,891	16,270,970	20,547,071	37,365,932
1946	44	5,042	9,974,544	511,512	9,791,684	16,407,706	26,710,902
1949	56	6,642	17,980,051	803,646	20,156,193	33,602,254	54,562,093
1950	56	6,223	17,904,443	791,745	20,932,184	38,316,036	60,089,965
1951	64	7,490	24,268,698	912,743	27,339,236	46,829,163	75,081,142
1952	74	8,159	28,269,151	944,589	36,028,035	53,455,691	90,428,315
<b>1953</b>							
Quebec	17	1,947	6,121,743	209,096	4,953,671	11,440,865	16,603,632
Ontario	43	6,172	23,000,485	765,955	27,553,465	43,331,055	71,650,475
Alberta	8	156	497,650	31,338	748,911	804,781	1,585,030
British Columbia	11	531	2,335,619	89,085	2,415,508	2,796,929	5,301,522
Manitoba	2	152	525,256	36,394	1,618,973	853,117	2,508,484
Saskatchewan	1						
<b>Canada</b>	<b>82</b>	<b>8,958</b>	<b>32,480,753</b>	<b>1,131,868</b>	<b>37,290,528</b>	<b>59,226,747</b>	<b>97,649,143</b>
<b>1954</b>							
Quebec	17	1,566	5,004,763	226,786	4,777,657	8,659,296	13,936,317
Ontario	48	5,748	22,113,230	729,540	26,139,021	36,393,582	63,122,081
Alberta	8	164	551,234	59,841	945,073	927,690	1,959,772
British Columbia	11	473	2,258,488	103,765	2,869,244	3,660,567	6,632,820
Manitoba	4	176	619,988	41,809	1,127,008	800,763	1,972,785
Saskatchewan	1						
<b>Canada</b>	<b>89</b>	<b>8,127</b>	<b>30,547,703</b>	<b>1,160,741</b>	<b>35,858,003</b>	<b>50,441,898</b>	<b>87,623,775</b>

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.

1. See footnote to text.

**TABLE 2. Inventories<sup>1</sup>, 1954**

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
<b>Opening:</b>				
Quebec	1,640,224	609,983	1,640,023	3,890,230
Ontario	7,924,065	5,409,672	3,703,498	17,037,235
Manitoba and Saskatchewan	408,947	36,230	32,250	477,427
Alberta	389,891	21,407	173,839	585,137
British Columbia	1,063,689	722,274	59,564	1,845,527
<b>Canada</b>	<b>11,426,816</b>	<b>6,799,566</b>	<b>5,609,174</b>	<b>23,835,556</b>
<b>Closing:</b>				
Quebec	1,621,015	593,690	1,367,445	3,582,150
Ontario	5,330,305	5,284,395	3,842,560	14,457,261
Manitoba and Saskatchewan	449,638	86,538	29,045	565,221
Alberta	410,546	23,069	146,671	580,286
British Columbia	841,793	411,201	60,320	1,313,314
<b>Canada</b>	<b>8,653,297</b>	<b>6,398,894</b>	<b>5,446,041</b>	<b>20,498,232</b>

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

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

TABLE 3. Products Made in the Boilers and Plate Work Industry, 1953 and 1954

Product	1953		1954		
	Quantity	Value of factory shipments	Quantity	Value of factory shipments	
Heating boilers:		\$		\$	
Cast iron sectional heating boilers:					
(a) 240-775 sq. ft. ....	No.	7,835	1,251,026	6,628	900,836
(b) 776-1,499 sq. ft. ....	"	2,109	727,226	2,201	662,773
(c) 1,500 sq. ft. and over....	"	1,742	1,277,245	1,562	1,025,979
Steel heating boilers:					
(a) 240-775 sq. ft. ....	No.	1,838	1,025,691	2,103	1,090,642
(b) 776-1,499 sq. ft. ....	"	477	337,256	504	308,723
(c) 1,500 sq. ft. and over....	"	391	633,362	367	635,760
Power boilers:					
Water tube:					
Horizontal type ....	No.	—	—	10	16,424
Vertical type ....	"	1	5,800	2	2,381
Bent tube type.....	"	232	7,258,392	166	4,260,794
Return tubular power, horizontal.....	"	175	590,260	142	489,615
Marine type.....	"	46	543,225	24	284,649
Steel firebox, locomotive type.....	"	19	149,093	13	73,311
Fire tube, vertical type .....	"	18	17,838	21	21,431
All other power boilers.....	"	42	49,745	65	133,152
Boiler parts .....	—	—	2,710,852	—	2,170,891
Radiators, heating:					
Steel and cast iron, standing..... sq. ft.		6,127,295	4,057,118	5,375,637	3,643,911
Steel and cast iron, concealed .....					
Fabricated products:					
Steel plate (cut, punched, shaped or otherwise fabricated for assembly on job) ....	—	—	7,386,569	—	11,943,731
Structural shapes (cut, punched, shaped or otherwise fabricated for assembly on job) ....	—	—	2,051,263	—	1,212,385
Miscellaneous plate work:					
Bins and hoppers.....	—	—	500,285	—	368,409
Smokestacks .....	—	—	163,536	—	148,942
Smoke breeching .....	—	—	351,090	—	110,146
Riveted and welded steel pipe.....	—	—	864,210	—	461,993
Other plate work .....	—	—	5,204,429	—	6,505,310
Tanks:					
Steel, storage, for water and fuel oil.....	—	—	12,704,859	—	8,469,559
Steel, septic.....	—	—	181,699	—	263,506
All other tanks.....	—	—	5,156,569	—	4,308,643
Pumps, all kinds, and parts.....	—	—	1,503,800	—	1,062,671
Engines and parts.....	—	—	880,074	—	804,249
Stokers, mechanical, and parts .....	—	—	1,086,388	—	634,266
Furnaces, warm air .....	No.	2,897	282,476	948	158,385
Receipts from custom work and repairs .....	—	—	6,922,437	—	5,659,490
All other products .....	—	—	31,775,330	—	29,790,818
Total .....	—	—	97,649,143	—	87,623,775

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, 1953 and 1954

Material	1953		1954		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
<b>Iron:</b>					
Pig iron.....	tons	24,869	1,436,922	19,587	1,050,609
<b>Steel (except alloy):</b>					
Bars and rods.....	tons	6,703	974,625	5,572	867,413
Sheets:					
Black.....	tons	23,775	3,213,514	28,471	4,514,091
Galvanized.....	"	481	76,531	234	39,654
Tin plate .....	"	250	44,028	—	—
Plates.....	"	81,412	10,351,694	74,438	9,652,019
Structural shapes.....	"	15,122	1,957,301	9,309	1,346,194
Boiler tubes.....	—	—	1,725,218	—	1,577,821
Wire.....	tons	46	12,484	—	22,392
<b>Alloy steel:</b>					
Stainless:					
Billets, bars and rods.....	—	—	70,622	—	66,359
Other.....	—	—	900,117	—	569,337
Other alloy steel.....	—	—	225,285	—	347,863
<b>Scrap iron and steel:</b>					
Purchased.....	tons	17,599	669,589	14,070	479,398
Own make .....	"	3,303	148,091	2,084	96,616
Other iron and steel .....	—	—	2,189,830	—	2,534,940
Ferro-alloys.....	—	—	127,652	—	181,430
<b>Non-ferrous metals, including scrap:</b>					
Aluminum:					
Castings.....	pounds	325,560	301,418	367,087	347,973
Sheet .....	"	35,702	13,063	46,657	16,547
Other forms.....	"	14,718	3,000	3,376	985
Brass and bronze.....	"	535,215	289,316	561,286	329,710
Copper:					
Sheet.....	pounds	32,548	18,815	19,178	13,314
Wire.....	—	—	—	—	—
Other forms.....	pounds	33,182	16,462	11,086	5,514
Nickel.....	"	5,230	3,514	9,292	4,767
Lead.....	"	148,429	35,864	50,637	12,671
Tin .....	pounds	4,157	613	1,837	184
Zinc.....	"	28,319	28,983	10,565	11,740
Babbitt metals and solders .....	"	—	1,836	—	1,540
Other non-ferrous metals .....	—	—	—	—	—
<b>Other materials:</b>					
Iron and steel pipe and fittings.....	—	—	1,038,277	—	993,511
Paints, oils and varnishes .....	—	—	263,249	—	272,344
Foundry coke.....	tons	11,236	321,298	8,362	224,423
Moulding sands .....	"	8,103	70,296	4,962	49,902
Core sands.....	"	12,539	49,569	8,401	36,445
Other foundry sands .....	"	409	13,576	681	10,367
Plumbago and graphite.....	pounds	6,699	788	7,021	757
Lumber.....	M ft. b.m.	2,165	218,208	1,640	165,306
Firebrick .....	—	—	39,672	—	22,965
Fireclay .....	tons	1,932	40,717	1,470	29,424
Cupola blocks .....	—	—	8,909	—	5,788
Core oil.....	Imp. gal.	45,851	55,156	31,721	36,162
Sulphuric acid, 100% .....	pounds	325	32	—	16
Shipping containers.....	—	—	262,565	—	278,124
All other materials .....	—	—	10,071,829	—	9,641,386
<b>Total .....</b>	—	—	<b>37,290,528</b>	—	<b>35,858,003</b>

TABLE 5. Factory Shipments of Heating and Power Boilers, 1953 and 1954 (From all industries)

Type	1953		1954	
	Number of boilers	Value of factory shipments	Number of boilers	Value of factory shipments
		\$		\$
<b>Heating boilers:</b>				
Cast iron sectional heating boilers:				
(a) 240-775 sq. ft. ....	9,204	1,431,423	8,106	1,105,772
(b) 776-1,499 sq. ft. ....	2,620	918,091	2,634	900,832
(c) 1,500 sq. ft. and over....	2,135	1,569,104	1,810	1,168,838
Steel heating boilers:				
(a) 240-775 sq. ft. ....	3,679	2,022,930	4,962	2,101,657
(b) 776-1,499 sq. ft. ....	862	768,707	732	520,658
(c) 1,500 sq. ft. and over....	510	758,156	885	1,143,367
<b>Power boilers:</b>				
Water tube, horizontal type.....	18	456,224	45	2,100,718
Water tube, vertical type.....	7	12,100	17	28,581
Water tube, bent tube type.....	—	8,284,780	—	5,596,709
Horizontal return tubular.....	199	826,159	155	548,841
Marine type.....	53	568,002	25	293,549
Steel firebox, locomotive type.....	23	204,093	15	86,711
Firerube, vertical type.....	29	44,878	26	33,951
Boilers, type not specified.....	—	608,056	—	718,867
<b>Total.....</b>	<b>—</b>	<b>18,472,703</b>	<b>—</b>	<b>16,349,051</b>

TABLE 6. Total Production<sup>1</sup> of Heating Radiators, 1945-1954 (From all industries)

Year	Cast iron types (standing and concealed)		Convector (steel and non-ferrous types)		Total	
	Sq. ft.	Value	Sq. ft.	Value	Sq. ft.	Value
		\$		\$		\$
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 .....	5,263,434	3,622,315	7,990,079	4,393,017	13,253,513	8,015,332
1953 .....	6,346,714	4,195,740	8,659,792	4,883,288	15,006,506	9,079,028
1954 .....	5,811,940	3,888,017	8,932,191	5,321,258	14,744,131	9,209,275

1. Factory shipments since 1952.

TABLE 7. Principal Statistics of the Boilers and Plate Work Industry, Classified According to Type of Ownership, 1953 and 1954

Type	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1953						
Individual ownership .....	13	111	331,600	19,136	391,494	896,569
Partnerships .....	6	85	277,360	12,133	226,493	692,605
Incorporated companies .....	63	8,762	31,871,793	1,100,599	36,672,541	96,059,969
<b>Total</b> .....	<b>82</b>	<b>8,958</b>	<b>32,480,753</b>	<b>1,131,868</b>	<b>37,290,528</b>	<b>97,649,143</b>
1954						
Individual ownership .....	13	93	289,551	16,513	290,010	718,537
Partnerships .....	8	133	445,878	26,921	409,061	1,069,638
Incorporated companies .....	68	7,901	29,812,274	1,117,307	35,158,932	85,835,600
<b>Total</b> .....	<b>89</b>	<b>8,127</b>	<b>30,547,703</b>	<b>1,160,741</b>	<b>35,858,003</b>	<b>87,623,775</b>

TABLE 8. Principal Statistics of the Boilers and Plate Work Industry, Grouped According to Size of Establishment, 1953 and 1954

Establishments reporting a value of factory shipments	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1953						
Under \$25,000 .....	6	16	33,438	3,595	30,508	77,890
\$25,000 to \$49,999 .....	4	34	68,094	6,607	73,834	159,407
\$50,000 to \$99,999 .....	14	118	391,392	29,899	451,158	1,023,761
\$100,000 to \$199,999 .....	13	189	612,924	34,543	805,475	1,907,288
\$200,000 to \$499,999 .....	18	626	2,104,542	104,694	2,455,109	5,823,679
\$500,000 to \$999,999 .....	11	594	1,972,189	92,517	3,321,384	7,647,895
\$1,000,000 to \$4,999,999 .....	11	2,715	9,407,008	365,050	8,086,254	23,858,912
\$5,000,000 and over .....	5	4,647	17,714,536	494,963	22,066,806	57,150,311
Head offices .....	—	19	176,630	—	—	—
<b>Total</b> .....	<b>82</b>	<b>8,958</b>	<b>32,480,753</b>	<b>1,131,868</b>	<b>37,290,528</b>	<b>97,649,143</b>
1954						
Under \$25,000 .....	4	7	15,578	1,830	16,184	41,477
\$25,000 to \$49,999 .....	7	31	80,165	12,448	123,079	255,280
\$50,000 to \$99,999 .....	15	145	458,414	34,880	476,301	1,139,326
\$100,000 to \$199,999 .....	17	260	977,008	63,440	1,147,956	2,616,329
\$200,000 to \$499,999 .....	16	625	1,907,017	96,290	2,469,341	5,445,191
\$500,000 to \$999,999 .....	16	773	2,870,620	174,665	5,099,126	10,936,160
\$1,000,000 to \$4,999,999 .....	10	2,717	9,708,328	368,031	8,560,564	23,538,608
\$5,000,000 and over .....	4	3,553	14,390,808	409,157	17,965,452	43,651,404
Head offices .....	—	16	139,765	—	—	—
<b>Total</b> .....	<b>89</b>	<b>8,127</b>	<b>30,547,703</b>	<b>1,160,741</b>	<b>35,858,003</b>	<b>87,623,775</b>

TABLE 9. Employees and Their Earnings in the Boilers and Plate Work Industry, by Provinces, 1953 and 1954

Province	Number of employees						Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female		\$	\$		
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	
<b>Total</b> .....	<b>1,792</b>	<b>558</b>	<b>6,414</b>	<b>194</b>	<b>8,958</b>	<b>9,850,967</b>	<b>22,629,786</b>	<b>32,480,753</b>	
1954									
Quebec .....	270	62	1,203	31	1,566	1,442,878	3,561,885	5,004,763	
Ontario .....	1,399	464	3,782	103	5,748	8,046,678	14,066,552	22,113,230	
Alberta .....	43	10	110	1	164	144,941	406,293	551,234	
British Columbia .....	84	28	354	7	473	520,163	1,738,325	2,258,488	
Other provinces .....	20	3	153	—	176	116,757	503,231	619,988	
<b>Total</b> .....	<b>1,816</b>	<b>567</b>	<b>5,602</b>	<b>142</b>	<b>8,127</b>	<b>10,271,417</b>	<b>20,276,286</b>	<b>30,547,703</b>	

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

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January .....	6,112	191	6,303	5,493	158	5,651
February .....	6,106	188	6,294	5,645	162	5,807
March .....	6,238	181	6,419	5,572	151	5,723
April .....	6,293	212	6,505	5,751	143	5,894
May .....	6,415	224	6,639	5,738	145	5,883
June .....	6,602	237	6,839	5,754	140	5,894
July .....	6,664	221	6,885	5,837	143	5,980
August .....	6,678	214	6,892	5,815	129	5,944
September .....	6,637	170	6,807	5,781	128	5,909
October .....	6,656	170	6,826	5,621	136	5,757
November .....	6,470	158	6,628	5,240	131	5,371
December .....	6,105	159	6,264	5,006	125	5,131
<b>Average</b> .....	<b>6,414</b>	<b>194</b>	<b>6,608</b>	<b>5,602</b>	<b>142</b>	<b>5,744</b>

TABLE 11. Capital and Repair Expenditures in the Boilers and Plate Work Industry, 1950-1954

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures			
	Construction	Machinery and equipment		Construction	Machinery and equipment					
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 .....	111	1,952	3,063	467	2,500	2,967	6,030			
1954 <sup>1</sup> .....	440	1,926	2,366	298	2,057	2,355	4,721			

1. Preliminary.

## List of Firms in the Boilers and Plate Work Industry, 1954

Name of firm	Location of plant
<b>Quebec:</b>	
Boilers Incorporated.....	932 St. George St., Montreal
Canadian Erectors Mfg. Ltd. ....	5441 Notre Dame St. W., Montreal
Combustion Engineering-Superheater Ltd. ....	Sherbrooke
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 Enterprises 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
Vidal, H.C., Enrg. ....	515 Carillon St., Montreal
Warden Kling. Limited.....	2104 Bennett Ave., Montreal
Weir, J. & R., Limited.....	33 Nazareth St., Montreal
<b>Ontario:</b>	
Aga Steel Radiators of Canada Ltd. ....	Ajax
Allen Tank & Welding Co. Ltd. ....	271 Hamilton Rd., London
Aurora Tank & Welding .....	47 Temperance St., Aurora
Babcock-Wilcox & Goldie-McCulloch, Limited.....	64-68 Grand Ave. S., Galt
Bell, Robert, Industries Ltd. ....	Seaford
Bingley Steel Works Ltd. ....	40 William St., Cornwall
Brown Fintube (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
Cockram, W., & Co. ....	Paris
Collingwood Steel Products .....	Collingwood
Crown Steel Fabricators .....	140 Thompson Rd., London
Diamalloy Manufacturing Limited .....	2316-18 Gerrard St. E., Toronto 13
Dominion Welding Engineering Company Limited .....	2805 Dufferin St., Toronto
Domestic Tank & Equipment Ltd. ....	Comstock Rd., Scarborough
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 .....	888 Dupont St., Toronto 4
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 Ahell St., Toronto
Port Colborne Iron Works, Limited .....	Fraser St., Port Colborne
Ridge Welding & Steel Limited.....	Ridgeway
Sparling Tank Ltd. ....	7th St. and New Toronto Rd., New Toronto
Standard Sanitary & Dominion Radiator, Ltd. ....	1251 Dupont St., Toronto
Steel Fabricating & Welding, Limited .....	Brock & Watt 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, Scarborough
West Machinery Limited .....	Wellington St., Simcoe
Wilson Engineering & Fabricating, Ltd. ....	Beach Road, Hamilton
Woodstock Boiler Works .....	217 Russell St., Woodstock
<b>Manitoba:</b>	
Canadian Brown Steel Tank Co. Ltd. ....	Brandon
Greensteel Industries Ltd. ....	975 Logan Ave., Winnipeg
Metals Industry Ltd. ....	Old Flying Club, North Hill, Brandon
Stephenson, J. R., Ltd. ....	Box 697, Winnipeg

## List of Firms in the Boilers and Plate Work Industry, 1954 — Concluded

Name of firm	Location of plant
<b>Saskatchewan:</b>	
Northwestern Iron Works, Ltd. ....	1419 Scarth St., Regina
<b>Alberta:</b>	
Black, Sivalls & 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
<b>British Columbia:</b>	
Blain Boiler Works, Ltd. ....	400 Ewan St., New Westminster
Bobbie & Grand Equipment & Welding Co. ....	1915 Fir St., 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
Steelweld Limited ....	1571 Main St., Vancouver
Vancouver Iron Works, Ltd. ....	1155 W. 6th Ave., Vancouver
Welding Shop & Engineering Co. Ltd. ....	1600 Main St., Vancouver
Western Welding Works Ltd. ....	978 Powell St., Vancouver 4
Westminster Boiler & Tank Company ....	114-11th St., New Westminster

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