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JUN 25 1956

THE BOILERS AND PLATE WORK INDUSTRY 1956



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Metal and Chemical Products Section

6512-617-126

Price 25 cents

Vol. 2—Part XII—C-1

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1956

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, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
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 - Section G. The Manufacturing Industries of Canada,
Regional Distribution, 75¢
- III — Foods and Beverages
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- XII — Iron and Steel Products
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- XIV — Non-ferrous Metal Products
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- 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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- L — The Wire and Wire Goods Industry, 25¢
- M — The Miscellaneous Iron and Steel Products Industry, 25¢

THE BOILERS AND PLATE WORK INDUSTRY

1956

Factory shipments by the 103 establishments in the Boilers and Plate Work Industry were valued at \$110,697,040 in 1956. Fifty-one of these works were in Ontario, 21 in Quebec, 16 in British Columbia, 10 in Alberta, 3 in Manitoba and 1 each in Saskatchewan and Nova Scotia. These concerns gave employment to 9,004 people who were paid \$34,384,694 in salaries and wages. Materials used in manufacturing processes cost \$56,998,458 and expenditures for fuel and electricity amounted to \$1,451,024.

Tables 1 to 4 and tables 7 to 12 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 1956 for heating and power boilers was \$27,553,938 and for heating radiators \$11,040,555.

TABLE 1. Principal Statistics of the Boilers and Plate Work Industry, Significant Years 1929-1956 and by Provinces, 1955 and 1956

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
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
1952	74	8,159	28,269,151	944,589	36,028,035	53,455,691	90,428,315
1953	82	8,958	32,480,753	1,131,868	37,290,528	59,226,747	97,649,143
1954	89	8,127	30,547,703	1,160,741	35,858,003	50,441,898	87,623,775
1955							
Nova Scotia	1	2,093	6,753,185	275,104	7,754,796	13,980,780	21,614,685
Quebec	20	} 5,473	21,319,486	706,691	28,295,006	33,351,850	62,030,347
Ontario	51		212	754,790	84,530	1,299,446	3,451,912
Alberta	9		1,769,326	96,440	2,143,263	1,827,422	3,969,301
British Columbia	15		622,131	41,068	1,068,784	1,354,032	2,420,450
Manitoba	4						
Saskatchewan	1						
Canada	101	8,378	31,218,918	1,203,833	41,388,579	51,813,530	93,486,695
1956							
Nova Scotia	1	2,285	8,457,936	341,767	19,643,943 ²	13,295,726	33,128,385
Quebec	21	} 5,406	21,266,286	822,292	28,195,458	32,319,060	61,228,276
Ontario	51		1,264,092	117,245	3,903,373	2,868,696	6,295,085
Alberta	10		2,689,967	118,524	3,444,986	4,516,964	7,611,497
British Columbia	16		706,413	51,196	1,810,698	532,600	2,433,797
Manitoba	3						
Saskatchewan	1						
Canada	103	9,004	34,384,694	1,451,024	56,998,458	53,533,046	110,697,040

1. Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value Added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturer. Beginning with 1956 the calculation of the "Value Added" figure was further adjusted to take into account the "Goods in Process" as well as the finished goods held at plant or plant warehouse.

2. Disproportionately high in 1956 because of the inclusion of approximately \$7,000,000 worth of component parts in 1956 which were not reported in 1955.

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.

IRON AND STEEL PRODUCTS

TABLE 2. Inventories¹, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec and Nova Scotia	2,150,120	1,332,921	1,771,836	5,254,877
Ontario	6,050,927	5,931,304	4,133,286	16,115,517
Manitoba and Saskatchewan	380,670	198,982	72,147	651,799
Alberta	1,218,434	542,441	196,567	1,957,442
British Columbia	810,063	736,578	110,234	1,656,875
Canada	10,610,214	8,742,226	6,284,070	25,636,510
Closing:				
Quebec and Nova Scotia	3,191,039	1,171,530	2,086,278	6,448,847
Ontario	7,825,046	8,492,594	1,680,530	17,998,170
Manitoba and Saskatchewan	444,418	163,743	68,083	676,244
Alberta	1,733,292	1,139,667	193,570	3,066,529
British Columbia	1,117,384	1,262,651	53,138	2,433,173
Canada	14,311,179	12,230,185	4,081,599	30,622,963

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.

The opening inventory for 1956 does not necessarily agree with the closing inventory for 1955 because of the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 3. Products Made in the Boilers and Plate Work Industry, 1955 and 1956

Product	1955		1956	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Heating boilers:				
Cast iron sectional heating boilers:				
(a) Under 775 sq. ft. No.	7,653	1,087,371	6,949	873,232
(b) 776-1,499 sq. ft. "	2,052	581,479	1,838	757,760
(c) 1,500 sq. ft. and over "	1,279	942,286	1,289	1,042,396
Steel heating boilers:				
(a) Under 112 sq. ft. (heating surface) No.	3,040	527,336	3,031	546,952
(b) 112-522 sq. ft. (" ") "	626	1,135,444	468	966,654
(c) 573-1,245 sq. ft. (" ") "	274	478,348	186	646,721
(d) 1,362 sq. ft. & over (" ") "	32	134,769	10	70,461
Power boilers:				
Water tube:				
Horizontal type No.	5	68,000	1	1
Vertical type "	4	4,297	1	1
Bent tube type "	175	5,459,670	1	1
Return tubular power, horizontal "	179	656,904	1	1
Marine type "	65	206,799	1	1
Steel firebox, locomotive type "	8	29,139	1	1
Fire tube, vertical type "	12	24,059	1	1
All other power boilers "	—	1,212,496	1	1
Boiler parts	—	1,793,776	1	1

See footnote at end of table.

TABLE 3. Products Made in the Boilers and Plate Work Industry, 1955 and 1956 — Concluded

Product	1955		1956	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
Power boilers and equipment:		\$		\$
Water tube package boiler units.....	1	1	122	2,390,683
Fire tube package boiler units.....	1	1	184	751,864
Marine type boilers—fire tube and water tube	1	1	42	663,842
Fire tube boilers, other.....	1	1	37	72,423
All other power boilers	1	1	174	10,672,090
Boiler parts, including drums, water walls, repairs, etc.	1	1	—	1,441,640
Radiators, heating:				
Steel and cast iron, standing sq. ft.	5,197,702	3,430,725	4,896,318	3,269,300
Steel and cast iron, concealed	"			
Fabricated products:				
Steel plate (cut, punched, shaped or otherwise fabricated for assembly on job)	—	—	11,528,586	—
Structural shapes (cut, punched, shaped or otherwise fabricated for assembly on job)	—	—	2,475,088	—
Miscellaneous plate work:				
Bins and hoppers	—	—	361,591	—
Smokestacks	—	—	179,869	—
Smoke breeching	—	—	434,505	—
Riveted and welded steel pipe—stainless.. other steel	ton "	1 1	922 1,494	2,476,435 618,740
Other plate work	—	—	3,082,254	—
Tanks:				
Steel, storage, for water and fuel oil	—	—	9,639,082	1
Steel, septic	—	—	323,917	1
All other tanks	—	—	6,058,416	1
Tanks (complete at factory) and cylinders:				
Gas cylinder, metal (L.P. gas, etc.).....	1	1	—	1,409,627
Boiler drums	1	1	—	37,775
Pressure and vacuum tanks	1	1	—	5,215,830
Steel septic	1	1	—	510,191
Storage and processing tanks.....	1	1	—	11,982,829
Tanks, other	1	1	—	2,845,136
Pumps, all kinds, and parts	—	—	611,975	—
Stokers, mechanical, and parts	—	—	821,448	—
Furnaces, warm air	No.	2,472	430,227	807
Receipts from custom work and repairs	—	—	5,199,278	—
All other products ²	—	—	34,567,561	—
Total	—	—	93,486,695	110,697,040

1. Not available in this breakdown.

2. Includes data for items made by less than 3 firms, such as cast iron soil pipe, air compressors, pulverizers, 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, 1955 and 1956

Material	1955		1956	
	Quantity	Cost at works	Quantity	Cost at works
Castings (rough and semi-finished) received from foundry:		\$		\$
Iron (gray and malleable)	ton	1	1	2,154
Steel	"	1	1	2,524
Pig iron	ton	21,999	1,188,208	20,353
Steel (except alloy):				
Bars and rods	ton	8,453	1,294,805	6,736
Sheets:				
Black	ton	26,439	3,694,505	32,922
Galvanized	"	570	118,565	290
Tin plate	"	1	241	31
Plates	"	100,071	12,497,594	105,958
Structural shapes	"	11,260	1,493,171	17,741
Boiler tubes	—	—	1,901,426	—
Wire	—	—	7,827	—
Alloy steel:				
Stainless:				
Billets, bars and rods	—	—	29,260	—
Other	—	—	2,280,949	—
Other alloy steel	—	—	36,829	—
Scrap iron and steel:				
Purchased	ton	17,097	613,605	16,993
Own make	"	1,003	33,900	1,141
Other iron and steel	—	—	1,934,071	—
Ferro-alloys	—	—	201,697	—
Non-ferrous metals, including scrap:				
Aluminum:				
Castings	pound	27,130	14,175	53,940
Sheet	"	109,033	52,922	144,604
Other forms	"	19,096	4,944	24,089
Brass and bronze	"	203,378	88,444	184,531
Copper:				
Sheet	pound	28,962	10,270	33,371
Other forms	"	24,066	12,066	23,991
Nickel	"	3,960	3,760	4,521
Lead	"	112,708	24,882	48,588
Tin	"	33	33	485
Zinc	"	450	113	550
Babbitt metals and solders	"	8,492	8,496	28,840
Other non-ferrous metals	—	—	802	—
Other materials:				
Iron and steel pipe and fittings	—	—	790,601	—
Paints, oils and varnishes	—	—	211,478	—
Foundry coke	ton	9,337	268,361	8,608
Foundry Sands	"	17,932	117,497	18,556
Plumbago and graphite	pound	8,185	890	16,780
Lumber	M ft. b.m.	1,660	162,600	2,355
Fireclay	ton	1,690	35,038	1,427
Cupola blocks and firebrick	—	—	30,456	—
Core oil	Imp. gal.	30,651	35,828	47,847
Sulphuric acid, 100%	—	—	539	—
Shipping containers	—	—	237,888	—
All other materials	—	—	11,949,843	—
Total	—	—	41,388,579	—
				56,998,458

1. Not available.

TABLE 5. Factory Shipments of Heating and Power Boilers, 1955 and 1956 (From all industries)

Type	1955		1956	
	Number of boilers	Value of factory shipments	Number of boilers	Value of factory shipments
Heating boilers:		\$		\$
Cast iron sectional heating boilers:				
(a) Under 775 sq. ft.....	8,610	1,182,535	8,265	1,107,730
(b) 776-1,499 sq. ft	2,547	759,342	2,482	952,264
(c) 1,500 sq. ft. and over	1,503	1,174,707	1,571	1,196,511
Steel heating boilers:				
(a) Under 112 sq. ft.	—	—	7,085	1,569,342
(b) 112-522 sq. ft.	—	—	1,360	2,935,659
(c) 573-1,245 sq. ft.	—	—	363	1,541,254
(d) 1,362 sq. ft. and over	—	—	40	414,894
(e) 522 sq. ft. and under (heating surface)	7,640	3,068,573	1	1
(f) Over 522 sq. ft. (heating surface)	422	921,666	1	1
Power boilers:				
Water tube, horizontal type	6	79,500	1	1
Water tube, vertical type	19	35,797	1	1
Water tube, bent tube type	—	8,044,687	1	1
Horizontal return tubular	184	706,633	1	1
Marine type	66	220,281	42	663,842
Steel firebox, locomotive type	8	29,139	1	1
Firetube, vertical type	14	24,984	1	1
Water tube package boiler units	1	1	124	2,423,953
Fire tube package boiler units	1	1	—	1,086,012
Fire tube boilers	1	1	72	302,222
Boilers, type not specified	—	1,832,147	—	13,360,255
Total	—	18,077,991	—	27,553,938

1. Not available in this breakdown.

TABLE 6(a): Total Production¹ of Heating Radiators, 1947-1956² (From all industries)

Year	Steel and cast iron types (standing and concealed)		Convector (steel) and non-ferrous types		Total	
	Sq. ft.	Value	Sq. ft.	Value	Sq. ft.	Value
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
1955	6,194,680	3,999,980	10,091,279	6,303,627	16,285,959	10,303,607

1. Factory shipments since 1952.

2. For 1956 see new breakdown in table 6(b).

TABLE 6(b). Total Production of Heating Radiators, 1956 (From all industries)

Kind	Equivalent direct radiation	Value of factory shipments
	Sq. ft.	\$
Standing type, cast iron and pressed steel (excluding tube and fin type)	3,524,888	2,315,899
Baseboard type, cast iron, pressed steel and other fabricated metal	4,315,424	3,124,326
Concealed type, cast iron, pressed steel and other fabricated metal	8,654,006	5,600,330
Total	16,494,318	11,040,555

TABLE 7. Principal Statistics of the Boilers and Plate Work Industry, Classified According to Type of Ownership, 1955 and 1956

Type	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1955						
Individual ownership	12	86	284,712	16,796	321,889	777,139
Partnerships	7	96	308,180	20,205	390,413	855,478
Incorporated companies	82	8,196	30,626,026	1,166,832	40,676,287	91,854,078
Total	101	8,378	31,218,918	1,203,833	41,388,589	93,486,695
1956						
Individual ownership	11	91	291,105	22,281	449,911	899,835
Partnerships	5	77	293,607	18,067	409,774	885,536
Incorporated companies	87	8,836	33,799,982	1,410,676	56,138,773	108,911,669
Total	103	9,004	34,384,694	1,451,024	56,998,458	110,697,040

TABLE 8. Principal Statistics of the Boilers and Plate Work Industry, Grouped According to Size of Establishment, 1955 and 1956

Establishments reporting a value of factory shipments	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
1955						
Under \$25,000	5	9	20,744	1,229	19,309	48,270
\$25,000 to \$49,999	5	20	66,163	7,228	82,712	189,502
\$50,000 to \$99,999	14	119	357,537	39,637	407,594	1,039,873
\$100,000 to \$199,999	20	306	1,025,463	67,449	1,239,597	2,825,141
\$200,000 to \$499,999	24	672	2,243,142	116,362	4,853,343	7,907,731
\$500,000 to \$999,999	17	1,009	3,841,541	222,595	5,161,859	12,491,337
\$1,000,000 to \$4,999,999	12	2,964	10,222,755	351,113	13,759,744	27,978,239
\$5,000,000 and over	4	3,145	12,962,005	398,220	15,864,431	41,006,602
Head offices	—	134	479,568	—	—	—
Total	101	8,378	31,218,918	1,203,833	41,388,589	93,486,695
1956						
Under \$10,000	3	5	9,619	881	9,077	22,069
\$10,000 to \$24,999	2	9	28,560	3,130	32,023	74,245
\$25,000 to \$49,999	1	}				
\$50,000 to \$99,999	13	109	366,800	24,793	456,846	989,092
\$100,000 to \$199,999	15	225	719,752	63,787	1,270,044	2,400,742
\$200,000 to \$499,999	25	687	2,486,320	146,900	4,286,689	8,401,706
\$500,000 to \$999,999	20	1,170	4,172,522	184,670	8,001,014	14,703,919
\$1,000,000 to \$4,999,999	19	3,378	13,149,515	486,391	19,837,391	40,403,203
\$5,000,000 and over	5	3,281	12,762,949	540,472	23,105,374	43,702,063
Head offices	—	140	688,657	—	—	—
Total	103	9,004	34,384,694	1,451,024	56,998,458	110,697,040

TABLE 9. Employees and Their Earnings in the Boilers and Plate Work Industry, by Provinces, 1955 and 1956

Province	Number of employees						Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
1955									
Quebec	502	96	1,270	5	1,873	1,830,253	4,372,722	6,202,975	
Ontario	1,359	427	3,616	71	5,473	7,644,124	13,675,362	21,319,486	
Alberta	39	12	159	2	212	153,188	601,602	754,790	
British Columbia	88	15	324	9	436	450,649	1,318,677	1,769,326	
Other provinces	37	6	340	1	384	261,311	911,030	1,172,341	
Total	2,025	556	5,709	88	8,378	10,339,525	20,879,393	31,218,918	
1956									
Quebec	376	101	1,588	3	2,068	2,104,396	5,790,607	7,895,003	
Ontario	1,354	444	3,592	16	5,406	7,429,419	13,836,867	21,266,286	
Alberta	67	25	247	1	340	331,732	932,360	1,264,092	
British Columbia	96	34	548	2	680	536,182	2,153,785	2,689,967	
Other provinces	35	14	460	1	510	232,854	1,036,492	1,269,346	
Total	1,928	618	6,435	23	9,004	10,634,583	23,750,111	34,384,694	

TABLE 10. Production Workers, by Months, 1955 and 1956

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
Number						
January	5,031	87	5,118	5,929	29	5,958
February	5,183	83	5,266	6,033	21	6,054
March	5,325	84	5,409	6,143	22	6,165
April	5,454	89	5,543	6,151	23	6,174
May	5,589	97	5,686	6,534	23	6,557
June	5,697	92	5,789	6,641	24	6,665
July	5,715	88	5,803	6,655	24	6,679
August	5,806	73	5,879	6,958	23	6,981
September	6,113	91	6,204	6,970	19	6,989
October	6,297	90	6,387	6,772	23	6,795
November	6,148	92	6,240	6,709	25	6,734
December	6,111	86	6,197	6,674	25	6,699
Average	5,709	88	5,797	6,435	23	6,458

TABLE 11. Capital and Repair Expenditures in the Boilers and Plate Work Industry, 1952-1956

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							
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	990	2,116	3,106	354	1,624	1,978	5,084
1955	1,774	2,321	4,095	272	1,897	2,169	6,264
1956 ¹	2,384	3,902	6,286	365	2,486	2,851	9,137

1. Preliminary.

TABLE 12. Fuel and Electricity Used¹ in the Boilers, and Plate Work Industry, 1956

	Kind		Quantity	Cost at works
Bituminous coal (a) from Canadian mines	ton	3,552	\$4,113	
(b) imported	"	5,871	63,573	
Anthracite coal	"	8,380	88,971	
Lignite coal	"	87	700	
Coke	"	173	3,312	
Gasoline, including gasoline used in cars and trucks	Imp. gal.	662,378	252,887	
Kerosene	" "	5,454	1,299	
Fuel oil	" "	2,026,252	309,730	
Wood	cord	71	730	
Gas (a) Liquefied petroleum gases	Imp. gal.	25,018	5,639	
(b) Other manufactured gas	1,000 cu. ft.	9,224	9,631	
(c) Natural gas	" "	66,137	33,004	
Other fuel	—	—	35,227	
Electricity purchased	kwh.	42,484,325	602,208	
Total	—	—	1,451,624	

1. Last collected in this detail in 1953.

List of Firms in the Boilers and Plate Work Industry, 1956

Name of firm	Location of plant
Nova Scotia:	
Steel and Engine Products Ltd.	Liverpool
Quebec:	
Acme Welding and Service Co. Ltd.	840 Lafleur, Ville La Salle
Berwill Boiler and Steel Works Ltd.	8651-9th Ave., Ville St. Michel
Boilers Incorporated	932 St. George St., Montreal
Brock Steel Corp. Ltd.	5570 Chapleau St., Montreal 9
C. L. Metal Works Reg'd.	359 Bouffard, Quebec
Canadian Erectors Mfg. Ltd.	5441 Notre Dame St. W., Montreal
Combustion Engineering-Superheater Ltd.	540 Dominion Square Bldg., Montreal
Dominion Welding Engineering Co. Ltd.	6898 Notre Dame St. E., Montreal
Douglas Bros. Ltd.	4090 Namur St., Montreal
Drummond Welding & Steel Works Ltd.	2270 Joliette, Ville Jaques Cartier
Ferro Metal Ltd.	9500 St. Lawrence Blvd., Montreal
Latulippe, Michel, Enrg.	124 Dorchester St., Quebec
Les Enterprises Raoul Auger Ltée	8456 9th Ave., Montreal
Machineries Mercier Ltd.	12, rue St. Laurent, Lévis
National Welding Co. Ltd.	2965 Notre Dame St. E., 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 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 Rd., London
American Standard Products (Canada) Limited	1201 Dupont St., Toronto 4
Aurora Tank & Welding	12 Temperance St., Aurora
Babcock-Wilcox & Goldie-McCulloch, Limited	64-68 Grand Ave. S., Galt
Bell, Robert, Industries Ltd.	Seaforth
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
Chatham Erecting Co. Limited	35 Colborne St., Chatham
Cockram, W., & Co., Ltd.	Paris
Collingwood Steel Products	Collingwood
Diamalloy Manufacturing Limited	2316 - 18 Gerrard St. E., Toronto 13
Dominion Welding Engineering Company Limited	6898 Notre Dame St. East., Montreal
Domestic Tank & Equipment Ltd.	91 Centre Ave., Scarborough
Eastern Welding Co. Ltd.	100 Hymus Rd., Toronto
Embro Welding & Steel Fabrication	Embro
Essex Boiler & Heating Engineering Co.	1303 Mc Dougall, Windsor
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	206 Duchess St., Toronto
Imperial Welding Co. Limited	Trunk Road, Sault Ste. Marie
Inglis, John, Co., Limited	14 Strachan Ave., Toronto
Lee Products Limited	410 Hopewell Ave., Toronto
John Thompson Leonard Ltd.	381 York St., London
Lloyd & Westwood Machinery Company	888 Dupont St., Toronto 4
Lock, J.H., & Sons Ltd.	150 Perth Ave., Toronto
MacDonald, John, & Co.	1456 Victoria Park Ave., Toronto
MacPherson, C.E.	468 Rideau St., Kingston
Magee, E.B. Ltd.	Port Colborne
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
Propane Containers of Canada Ltd.	49 Main St., Mimico
Port Colborne Iron Works, Limited	Fraser St., Port Colborne
Ric-Wel Co. of Canada Limited	Wellington St., St. Thomas
Ridge Welding & Steel Limited	Ridgeway
Sparling Tank Ltd.	200 New Toronto Rd., New Toronto

List of Firms in the Boilers and Plate Work Industry, 1956 — Concluded

Name of firm	Location of plant
Ontario — concluded:	
Steel Fabricating & Welding, Limited	Brock & Hatt Sts., Dundas
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
Metals Industry Ltd.	Old Flying Club, North Hill, Brandon
Stephenson, J. R., Ltd.	555 Madison St., St. James
Saskatchewan:	
Northwestern Iron Works, Ltd.	1419 Scarth St., Regina
Alberta:	
Black, Sivalls & Bryson, Ltd.	6203-104th St., Edmonton
Calgary Steel Tank, Limited	70th Ave. & MacLeod Trail, Calgary
Cumming's Welding Shop	9548-102nd Ave., Edmonton
Edmonton Steel Fabricators Ltd.	Cooking Lake Trail, Highway 14, Edmonton
Horton Steel Works, Ltd.	28th. & 5th Ave. N., Lethbridge
Johnson Welding & Machine Shop Ltd.	Lloydminster
Liberty Boilers (Lethbridge) Ltd.	1402-2nd Ave. S., Lethbridge
Refinery Vessels & Maintenance Ltd.	3635 Blackburn Rd., Calgary
Universal Industries Ltd.	Lloydminster
Western, T.I.W. Ltd.	P.O. Box 247 Edmonton
British Columbia:	
Blain Boiler Works, Ltd.	400 Ewan St., New Westminster
Bobbie & Grand Equipment & Welding Co.	1915 Fir St., Vancouver
Industrial Coatings Ltd.	1920 Main St., Vancouver
Lockheed-Haggarty Eng. & Mfg. Co. Ltd.	3904 Grant St., North Burnaby
M. & M. Tanks Ltd.	8836 Selkirk St., Vancouver
Main Metal & Welding Ltd.	8194 Ontario St., 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
Van's Steel Fabricators	1868 Kent, Vancouver
Vancouver Iron Works, Ltd.	1155 W. 8th Ave., Vancouver
Welding Shop & Engineering Co. Ltd.	1600 Main St., Vancouver
Western Corrosion Engineering Ltd.	882 East Cordova, Vancouver
Western Welding Works Ltd.	878 Powell St., Vancouver 4
Westminster Boiler & Tank Company	114-11th St., New Westminster