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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH

THE
BOILERS, TANKS & PLATE WORK
INDUSTRY
IN
CANADA
1939



OTTAWA
1941

Price 25 cents

Dominion Statistician:	R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
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ANNUAL INDUSTRY REPORTIRON AND STEEL AND THEIR PRODUCTS GROUPTHE BOILERS, TANKS AND PLATE WORK INDUSTRY, 1939

In accordance with the Statistics Act each manufacturing concern in Canada is required to submit to the Dominion Bureau of Statistics at Ottawa a yearly report covering such items as production, employment, capital, etc. In most cases a manufacturer makes more than one product but is not asked to apportion these details between the different products which he manufactures. It is impossible, therefore, except in a few cases, to compile detailed figures of employment, etc., for any single commodity.

For the presentation of these detailed statistics, the Bureau has subdivided manufacturing into nine groups of industries, producing concerns being classified according to the principal component material of their major products. For example, the pulp and paper industry is classified under "Wood and Paper"; boiler manufacturers 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 Boilers, Tanks and Plate Work Industry which is reviewed in this bulletin. This industry covers the operations of the establishments which made as their chief products such articles as boilers or heating radiators, tanks, and miscellaneous products from steel plate, such as, bins, hoppers, smokestacks, etc. It is apparent, however, from the explanation given above, that the production figures as compiled for this industry do not necessarily represent the total Canadian output for the commodities listed as they may have been produced also as minor products of firms in other industries. Supplementary tables Nos. 11 and 12, have been added to give total output figures for boilers and heating radiators.

Production by the fifty-five establishments included in the Boilers, Tanks and Plate Work Industry for 1939 was valued at \$8,799,806. Of the reporting plants, 22 were located in Ontario, 9 in Quebec, 6 in British Columbia, 2 in Nova Scotia and 1 in each of Manitoba and Saskatchewan.

These concerns had a fixed and working capital of \$14,324,828 and gave employment to a monthly average of 2,491 people who were paid \$3,150,560 in salaries and wages. Materials used in manufacturing processes cost \$3,673,208 and expenditures for fuel and electricity amounted to \$217,111.

Tables 1 to 10 of this report deal with the Boilers, Tanks and Plate Work Industry only, while Tables 11 and 12 give the totals for Canada, from all industries, covering the production of boilers and radiators. The total output value in 1939 for heating and power boilers was \$1,956,423, and for heating radiators \$1,462,624.

Table 1 - PRINCIPAL STATISTICS OF THE BOILERS, TANKS AND PLATE WORK INDUSTRY,
1929 - 1939

Year	No. of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of fuel and electricity \$	Cost of materials at works \$	Gross sell- ing value of products at works \$
1929	37	10,665,197	2,157	3,043,768	163,137	5,091,406	10,006,278
1930	35	9,982,016	1,924	2,649,804	159,813	4,565,856	9,597,239
1931	40	10,833,223	1,803	2,376,416	135,668	2,640,600	6,367,008
1932	41	10,231,811	1,391	1,636,953	116,755	1,527,402	4,465,089
1933	50	13,331,336	1,572	1,742,257	168,784	1,553,690	4,445,256
1934	51	14,202,122	2,047	2,291,422	194,556	2,432,907	6,485,314
1935	56	15,417,364	2,410	2,771,854	231,328	2,774,327	7,365,523
1936	56	14,848,789	2,519	3,066,242	244,687	3,567,813	8,305,360
1937	54	13,875,620	2,936	3,694,393	226,991	4,872,296	11,211,501
1938	55	15,500,319	2,919	3,704,804	219,781	4,345,518	10,840,220
1939 (x) ..	41	14,324,828	2,491	3,150,560	217,111	3,673,208	8,799,806

(x) Manufacturers of engines were included in this industry prior to 1939, but have been put in the machinery group for 1939.

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, BY PROVINCES, 1938 and 1939

Years	No. of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of fuel and electricity \$	Cost of materials at works \$	Gross sell- ing value of products at works \$
<u>1938</u>							
Nova Scotia	4	942,331	150	172,844	15,715	266,895	538,976
Quebec	12	2,217,809	481	633,292	43,623	1,081,869	2,174,418
Ontario	28	11,207,606	2,058	2,563,285	148,274	2,666,257	7,290,285
Manitoba	1)	116,652	35	51,529	3,180	48,695	118,616
Saskatchewan ...	1)						
British Columbia	9	1,015,921	195	283,854	8,989	281,802	717,925
CANADA	55	15,500,319	2,919	3,704,804	219,781	4,345,518	10,840,220
<u>1939</u>							
Quebec	9	1,963,066	501	608,909	40,529	796,615	1,958,177
Ontario	22	11,073,858	1,761	2,268,614	152,576	2,468,723	5,986,213
British Columbia	6	438,370	84	110,506	8,096	229,333	477,021
Nova Scotia	2)						
Manitoba	1)	849,534	145	162,531	15,910	178,537	378,395
Saskatchewan ...	1)						
CANADA	41	14,324,828	2,491	3,150,560	217,111	3,673,208	8,799,806

Table 3 - CAPITAL EMPLOYED, 1938 and 1939

Province	Present value of land, build- ings, machinery and equipment	Inventory value of materials and finished products on hand and stocks in process	Operating capi- tal (cash, bills and accounts receivable, pre- paid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1938</u>				
Nova Scotia	604,600	232,688	105,043	942,331
Quebec	1,225,968	427,280	564,561	2,217,809
Ontario	7,125,644	2,198,619	1,883,343	11,207,606
British Columbia ...	478,356	207,142	330,423	1,015,921
Other provinces	70,543	23,773	22,336	116,652
TOTAL	9,505,111	3,089,502	2,905,706	15,500,319
<u>1939</u>				
Quebec	1,056,311	477,112	429,643	1,963,066
Ontario	6,822,669	2,358,340	1,892,849	11,073,858
British Columbia ...	274,842	65,442	98,086	438,370
Other provinces	543,392	176,249	129,893	849,534
TOTAL	8,697,214	3,077,143	2,550,471	14,324,828

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1938 and 1939

Provinces	Average number of employees					Salaries	Wages	TOTAL
	On salaries		On wages		SALARIES and WAGES			
	Male	Female	Male	Female				TOTAL
						\$	\$	\$
1938								
Nova Scotia	25	6	119	...	150	55,331	117,513	172,884
Quebec	105	13	363	...	481	209,844	423,448	633,292
Ontario	387	104	1,566	1	2,058	845,334	1,717,951	2,563,285
British Columbia	31	1	163	...	195	73,759	210,095	283,854
Other provinces.	8	...	27	...	35	12,888	38,641	51,529
TOTAL	556	124	2,238	1	2,919	1,197,156	2,507,648	3,704,804
1939								
Quebec	91	11	399	...	501	154,429	454,480	608,909
Ontario	330	85	1,346	...	1,761	765,242	1,503,372	2,268,614
British Columbia	12	...	71	1	84	21,690	88,816	110,506
Other provinces.	24	2	119	...	145	54,451	108,080	162,531
TOTAL	457	98	1,935	1	2,491	995,812	2,154,748	3,150,560

Table 5 - WAGE-EARNERS, BY MONTHS, 1938 and 1939 (On the last work-day of each month)

Month	1938			1939		
	Male	Female	TOTAL	Male	Female	TOTAL
January	2,139	1	2,140	1,827	1	1,828
February	2,255	1	2,256	1,861	1	1,862
March	2,301	1	2,302	1,707	1	1,708
April	2,239	1	2,240	1,797	1	1,798
May	2,346	1	2,347	1,787	1	1,788
June	2,291	1	2,292	1,763	1	1,764
July	2,105	1	2,106	1,715	1	1,716
August	2,141	1	2,142	1,965	1	1,966
September	2,294	1	2,295	2,182	1	2,183
October	2,274	1	2,275	2,405	1	2,406
November	2,259	1	2,260	2,204	..	2,204
December	2,192	1	2,193	2,019	..	2,019
AVERAGE	2,238	1	2,239	1,935	1	1,936

Table 6 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS, 1939 (In one week of highest employment; overtime not included)

1939			1939		
Regular hours worked per week	Number of wage-earners	Per cent of total	Regular hours worked per week	Number of wage-earners	Per cent of total
30 hours or less	36	1.7	51 - 54 hours ...	84	4.0
31 - 43 hours ..	384	18.5	55 hours	12	0.6
44 hours	662	31.8	56 - 64 hours ...	91	4.4
45 - 47 hours ..	284	13.7	65 hours and over	25	1.2
48 hours	169	8.1	Total	2,080	100.0
49 - 50 hours ..	333	16.0	Total wages paid in that week ...	\$ 47,382	

Table 7 - FUEL AND ELECTRICITY USED, 1938 and 1939

		1938		1939	
Kinds	Unit of measure	Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian	short ton	4,013	24,342	3,162	20,382
Imported	short ton	2,613	16,998	3,401	22,360
Anthracite coal	short ton	5,109	35,003	5,351	32,835
Lignite coal	short ton	129	489	130	455
Coke	short ton	1,130	9,455	1,131	9,287
Gasoline	Imp. gal.	45,602	9,858	21,635	4,279
Kerosene	Imp. gal.	2,409	374	2,056	315
Fuel oil	Imp. gal.	87,286	7,197	105,945	8,519
Wood	Cord	409	1,955	494	2,251
Gas - Manufactured	M cu. ft.	3,097	3,060	2,277	1,885
Natural	M cu. ft.	3,089	1,946	3,247	1,988
Electricity purchased	K.W.H.	7,443,484	108,239	8,833,649	111,994
Other fuel .....	...	...	865	...	561
TOTAL .....		...	219,781	...	217,111

Table 8 - POWER EQUIPMENT, 1938 and 1939

Type	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
<u>1 9 3 8</u>				
Steam engines and steam turbines..	30	2,455	...	...
Diesel engines	1	35	2	55
Gasoline, gas and oil engines (except diesel)	36	705	1	20
Hydraulic turbines or water wheels	1	30	...	...
Electric motors run by purchased power	870	12,531	7	146
TOTAL	938	15,756	10	221
Electric motors run by above primary units	130	2,300	...	...
Stationary boilers	22	3,347	1	90
<u>1 9 3 9</u>				
Steam engines and steam turbines..	29	2,255	...	...
Diesel engines	1	35	2	55
Gasoline, gas and oil engines (except diesel)	34	675	1	20
Electric motors run by purchased power	826	12,315	7	139
TOTAL	890	15,280	10	214
Electric motors run by above primary units	182	3,200	...	...
Stationary boilers	24	3,385	1	90

Table 9 - MATERIALS USED, 1938 and 1939

		1 9 3 8		1 9 3 9	
Materials	Unit of measure	Quantity	Cost at works	Quantity	Cost at works
			\$		\$
<u>IRON -</u>					
Pig iron	long ton	8,317	199,862	10,219	237,288
Iron castings	short ton	864	87,792	542	70,756
<u>STEEL -</u>					
Steel castings	short ton	177	39,922	111	27,085
Bars and rods	short ton	1,011	65,782	744	50,947
Forgings	short ton	65	15,374	68	17,067
Shafting	short ton	50	5,406	31	3,810
Sheets, black	short ton	2,592	166,773	4,303	304,130
Sheets, galvanized	short ton	404	34,724	666	72,771
Strip	short ton	132	9,953	143	10,815
Plates, boiler	short ton	1,644	126,981	7,898	451,928
Plates, other	short ton	15,839	808,411	11,042	670,774
Stampings	short ton	16	4,160	51	9,927
Structural shapes	short ton	2,705	166,862	2,805	132,848
Boiler tubes .....	...	...	190,713	...	183,159

Table 9 - MATERIALS USED, 1938 and 1939 (Concluded)

		1938		1939	
Materials	Unit of measure	Quantity	Cost at works \$	Quantity	Cost at works \$
<u>STEEL (Concluded) -</u>					
Wire	short ton	48	8,171	58	9,674
Alloy steels	short ton	...	2,080	...	2,339
Scrap iron and steel	short ton	17,499	217,470	21,204	292,035
Other iron and steel .....	...	...	49,843	...	13,380
Ferro-alloys .....	...	...	8,390	...	10,556
<u>NON-FERROUS METALS, including scrap -</u>					
Aluminium	pound	21,445	6,480	3,197	896
Brass and bronze	pound	101,377	24,128	66,784	18,508
Copper	pound	27,639	4,255	19,032	2,542
Lead	pound	3,912	301	4,334	254
Nickel	pound	6,842	2,238	8,126	2,572
Tin	pound	46,296	21,595	51,241	25,915
Zinc	pound	244,454	9,684	281,672	10,162
Babbitt metals and solders	pound	24,229	7,473	10,518	4,457
Other non-ferrous metals .....	...	...	600	...	...
<u>OTHER MATERIALS -</u>					
Parts for engines, boilers, etc. ....	...	...	1,077,476	...	185,095
Iron and steel pipe and fittings ....	...	...	82,976	...	46,762
Bolts, nuts, rivets and screws.. ....	...	...	72,727	...	50,794
Electrical goods, including motors .....	...	...	16,763	...	6,010
Paints, oils and varnishes .....	...	...	26,764	...	13,951
Asbestos and other linings and coverings .....	...	...	7,309	...	6,556
Foundry coke	short ton	7,406	90,218	8,056	98,351
Moulding sands	short ton	4,621	20,061	5,057	24,501
Silica sand for sand-blasting ..	short ton	46	228	69	432
Core sands	short ton	8,372	19,822	9,555	22,478
Other foundry sands	short ton	188	1,590	275	4,372
Starch	pound	2,250	201	...	...
Plumbago and graphite	pound	17,452	1,046	13,239	915
Other foundry facings	pound	...	8,833	...	10,155
Patterns and models .....	...	...	5,074	...	1,574
Lumber	M ft.b.m.	565	23,556	585	19,573
Firebrick	Number	138,324	4,837	36,326	3,258
Fireclay	short ton	613	4,769	803	5,857
Cupola blocks	Number	8,135	1,411	3,934	723
Core oil	Imp. gal.	23,440	14,124	26,812	16,127
Core compounds	pound	10,456	596	10,600	512
Acetylene and oxygen	cu. ft.	473,550	8,759	792,691	14,242
Shipping containers .....	...	...	5,416	...	7,914
All other materials .....	...	...	574,579	...	496,461
TOTAL .....		...	4,345,518	...	3,673,208

Table 10 - PRODUCTS MADE IN THE BOILERS, TANKS AND PLATE WORK INDUSTRY, 1938 and 1939

NOTE - Data in this table are for the Boilers, Tanks and Plate Work Industry which includes only the manufacturers that 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 11 and 12).

Products	Unit of measure	1 9 3 8	1 9 3 9
		Quantity	Selling value at works
			\$
Boilers, heating -			
Cast iron sectional - hot water and steam	No.	11,548	953,058
Steel firebox, locomotive type..	No.	6	9,605
Horizontal return tubular	No.	1	2,980
Electric welded, steel	No.	237	129,406
Water tube, steel	No.	8	9,726
Boilers, power -			
Water tube - horizontal type ...	No.	10	52,201
Water tube - vertical type	No.	2	724
Water tube - bent tube type	No.	24	474,982
Return tubular power, horizontal	No.	63	98,757
Marine type	No.	2	5,254
Steel firebox, locomotive type..	No.	9	18,700
Fire tube, vertical type	No.	206	50,524
All other boilers .....	\$	...	32,358
Boiler parts .....	\$	...	127,922
Radiators, heating -			
Cast iron, standing	Sq. ft.	3,849,697	1,087,213
Cast iron, concealed	Sq. ft.	225,096	69,963
Miscellaneous plate work -			
Bins and hoppers .....	\$	...	34,373
Smokestacks .....	\$	...	138,029
Smoke breeching .....	\$	...	12,395
Rivetted and welded steel pipe..	short tons	1,558	212,981
Other plate work .....	\$	...	1,018,261
Structural work, including fabri- cated and erected shapes	short tons	1,910	204,220
Tanks -			
Steel storage for water and fuel oil .....	\$	...	1,020,811
Steel, septic .....	\$	...	52,306
Steel, pneumatic .....	\$	...	72,017
All other pressure tanks .....	\$	...	123,536
Tank heaters for domestic water supply	No.	3,379	37,356
Pumps, all kinds, and parts .....	\$	...	154,705
Stokers, mechanical, and parts...	\$	...	114,294
Receipts from custom work and repairs .....	\$	...	835,754
All other products (x) .....	\$	...	3,685,739
TOTAL .....	\$	...	10,840,220
			8,799,806

(x) Includes data for items made by less than three firms, such as, cast iron soil pipe, furnaces, pulverizers, milk cans, etc.

DIRECTORY OF FIRMS INCLUDED IN THE BOILERS, TANKS AND PLATE WORK INDUSTRY, 1939

NOTE - This is not intended to be a complete list of concerns engaged in the fabrication of boilers, tanks or other plate work. It is merely a directory of the firms which made these articles as their main products and which, therefore, were classified to this industry for statistical purposes.

Names of Firms

Location of Plants

NOVA SCOTIA -

Hogan, T. & Co.
Robb Engineering Works Ltd.

121 Lower Water St., Halifax
Amherst

QUEBEC -

Decarie Boiler & Incinerator Ltd.
Parand & Delorme Ltd.
Latulippe, Michel, Engr.
La Compagnie de Radiateurs Victoire Ltée
Manny, E. S., Co.
McKay, Alex, Boiler Works
Radiateur Plessis Ltée
Warden King Ltd.
Weir, J. & R., Ltd.

7592 St. Hubert St., Montreal
385 St. Martin St., Montreal
303 Dorchester St., Quebec
925 Perrault Lane, Montreal
1820 Gilford St., Montreal
2162 Demontigny St. E., Montreal
Plessisville
2104 Bennett Ave., Montreal
33 Nazareth St., Montreal

ONTARIO -

Babcock-Wilcox and Goldie-McCulloch Ltd.
Bell, Robt., Engine and Thresher Co.
Campbell Steel and Iron Works Ltd.
Canadian John Wood Mfg. Co. Ltd.
Dominion Radiator and Boiler Co. Ltd.

Grand Ave., Galt
Seaforth
855 Carling Ave., Ottawa
101 Hanson St., Toronto
17 S. Market St., Brantford, and
1322 Dufferin St., Toronto
4 Junction Road, Toronto
Jennett St., Fort Erie
Berryman Ave., St. Catharines
14 Strachan Ave., Toronto
381 York St., London
346 Dufferin St., Toronto
468 Rideau St., Kingston
Ann St., Napanee
158 Queen St. W., Ottawa
165 William St. S., Chatham
50 Bartlett Ave., Toronto
Fraser St., Port Colborne
Dundas
Queen St., Guelph
629 Eastern Ave., Toronto
271 Hamilton Road, London

Gurney Foundry Co. Ltd.
Horton Steel Works Ltd.
Imperial Iron Corp. Ltd.
Inglis, John, Co. Ltd.
Leonard, E., and Sons, Ltd.
Levy and Westwood Machinery Co.
Macpherson, C. E.
Napanee Iron Works Ltd.
Ottawa Boiler and Steel Works
Park, Archibald
Pendell Boiler Ltd.
Port Colborne Iron Works, Ltd.
Steel Fabricating & Welding Ltd.
Taylor-Forbes, Ltd.
Toronto Iron Works Ltd.
Winnett, R., & Son

MANITOBA -

Canadian Brown Steel Tank Co. Ltd.

20th St. and Pacific Ave., Brandon

SASKATCHEWAN -

North Western Iron Works Ltd.

1419 Scarth St., Regina

DIRECTORY OF FIRMS INCLUDED IN THE BOILERS, TANKS AND PLATE WORK INDUSTRY, 1939
(Concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>BRITISH COLUMBIA -</u>	
Atlas Boiler Works	First Avenue, Prince Rupert
Elain Boiler Works Ltd.	494 Railway St., Vancouver
Mainland Boiler Works	496 Alexander St., Vancouver
Patterson Boiler Works	750 Alexander St., Vancouver
Vancouver Iron Works Ltd.	1155 - 6th Avenue West, Vancouver
Westminster Boiler and Tank Co.	111 - 11th Street, New Westminster

BOILERS

Table 11 - TOTAL PRODUCTION IN CANADA OF HEATING AND POWER BOILERS, 1938 and 1939
(From all industries)

Types	1	9	3	8	1	9	3	9
	Number of boilers	Total sell- ing value at plant \$	Number of boilers	Total sell- ing value at plant \$	Number of boilers	Total sell- ing value at plant \$	Number of boilers	Total sell- ing value at plant \$
Heating boilers -								
Cast iron sectional hot water and steam	11,753	973,939	14,496	1,037,725				
Steel firebox, locomotive type.	6	9,605	3	2,103				
Horizontal return tubular	3	7,625	7	9,609				
Steel water tube	23	24,073	5	9,614				
Steel welded	307	170,110	360	200,906				
Power boilers -								
Water tube, horizontal type ...	11	53,451	6	13,395				
Water tube, vertical type	3	1,099	3	1,976				
Water tube, bent tube type	24	474,982	41	356,090				
Horizontal return tubular	69	110,448	75	71,471				
Marine type - internally fired.	2	5,254	2	3,275				
Marine type, water tube .....	...	...	...	...
Steel firebox, locomotive type.	11	25,417	11	27,418				
Firetube, vertical type	250	63,958	212	71,310				
Boilers, type not specified ....	...	400,850	...	151,531				
TOTAL .....	...	2,320,811	...	1,956,423				

LIST OF ALL ESTABLISHMENTS IN CANADA WHICH REPORTED A PRODUCTION
OF HEATING OR POWER BOILERS, 1939
(From all industries)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>PRINCE EDWARD ISLAND -</u>	
Stewart Bruce & Co. Ltd.	6 Great George St., Charlottetown
<u>NOVA SCOTIA -</u>	
Hogan, T., & Company	117 Lower Water St., Halifax
Matheson, I., & Co. Ltd.	North Provost St., New Glasgow
Robb Engineering Works	Amherst
Thompson & Sutherland Ltd.	North Sydney
<u>NEW BRUNSWICK -</u>	
St. John Iron Works	Saint John
<u>QUEBEC -</u>	
Canadian Vickers Ltd.	5136 Notre Dame St. E., Montreal
Dعاire Boiler & Incinerator Ltd.	7592 St. Hubert St., Montreal
Dominion Engineering Works, Ltd.	Lachine
Fonderie Belanger	2440 rue Des Carrieres, Montreal
La Compagnie de Machineries Mercier	17 rue St. Laurent, Levis
Latulippe, Michel	303 rue Rochester, Quebec
Manny, E. S., Co.	1820 Gilford St., Montreal
McKay, Alex, Boiler Works	2162 Demontigny St. E., Montreal
Warden King, Ltd.	2104 Bennett St., Montreal
Weir, J. & R. Ltd.	25 Nazareth St., Montreal
<u>ONTARIO -</u>	
Babcock-Wilcox & Goldie-McCulloch Ltd.	64 Grand Ave. S., Galt
Beaver Foundry & Furnace Works	Harvey St., Tillsonburg
Bell, Robt., Engine & Thresher Co.	Seaforth
Campbell Steel & Iron Works Ltd.	855 Carling Ave., Ottawa
Dominion Radiator & Boiler Co. Ltd.	17 S. Market St., Brantford
Foster Wheeler, Ltd.	81 Westchester Ave., St. Catharines
Gurney Foundry Co. Ltd.	4 Junction Rd., Toronto
Imperial Iron Corporation Ltd.	Berryman Ave., St. Catharines
Inglis, John, Co., Ltd.	14 Strachan Ave., Toronto
Leonard, E., & Sons Ltd.	381 York St., London
Kirkwood Engineering Co. Ltd.	25 Kent St., Simcoe
Napanee Iron Works Ltd.	Ann St., Napanee
Ottawa Boiler & Steel Works	158 Queen St. W., Ottawa
Pendell Boiler Ltd.	50 Bartlett Ave., Toronto
Spencer Foundry Co. Ltd.	Fox St., Penetanguishene
Taylor-Forbes Ltd.	Queen St., Guelph
Waterous Ltd.	S. Market St., Brantford
Winnett, R. & Son	271 Hamilton Rd., London

LIST OF ALL ESTABLISHMENTS IN CANADA WHICH REPORTED A PRODUCTION
OF HEATING OR POWER BOILERS, 1939
(Concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>MANITOBA</u> -	
Canadian Brown Steel Tank Co. Ltd.	20th & Pacific Ave., Brandon
Vulcan Iron Works Ltd.	Pt. Douglas Ave., Winnipeg
<u>SASKATCHEWAN</u> -	
Northwestern Iron Works Ltd.	1419 Scarth St., Regina
<u>ALBERTA</u> -	
Standard Iron Works Ltd.	121st St. and 106th Ave., Edmonton
<u>BRITISH COLUMBIA</u> -	
Blain Boiler Works Ltd.	494 Railway St., Vancouver
Marine Iron Works Ltd.	515 Pembroke St., Victoria
Patterson Boiler Works	750 Alexander St., Vancouver
Vancouver Iron Works Ltd.	1155 West Sixth Ave., Vancouver
Victoria Machinery Depot Co. Ltd.	343 Bay St., Victoria
Westminster Boiler & Tank Co.	111 Eleventh St., New Westminster

HEATING RADIATORS

Table 12 - TOTAL PRODUCTION OF HEATING RADIATORS, 1938 and 1939 (From all industries)

Type	1938		1939	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Direct or standing type, cast iron sq.ft.	3,849,697	1,087,213	4,578,783	1,162,805
Concealed type - Cast iron sq.ft.	212,096	64,729	403,783	93,602
Sheet metal sq.ft.	443,050	145,391	625,600	206,217
TOTAL sq.ft.	4,504,843	1,297,333	5,608,166	1,462,624

LIST OF ESTABLISHMENTS IN CANADA WHICH REPORTED A PRODUCTION
OF HEATING RADIATORS IN 1939
(From all industries)

<u>Names of Firms</u>	<u>Location of Plants</u>
Dominion Radiator & Boiler Co. Ltd.	1322 Dufferin St., Toronto, Ont.
Dunham, C. A., Co. Ltd.	1523 Davenport Road, Toronto, Ont.
Gurney Foundry Co. Ltd.	4 Junction Road, Toronto, Ont.
Imperial Iron Corp. Ltd.	Berryman Ave., St. Catharines, Ont.
La Compagnie de Radiateurs Victoire Ltée	927 Perrault Lane, Montreal, Que.
Radiateur Plessis Limitée	Plessisville, Que.
Taylor-Forbes Ltd.	Queen St., Guelph, Ont.
Trane Co. of Canada Ltd.	King & Mowat Sts., Toronto, Ont.
Vapor Car Heating Co. of Canada, Ltd.	65 Dalhousie St., Montreal, Que.
Warden King Limited	2104 Bennett Ave., Montreal, Que.

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