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Annual Industry Report

Iron and Steel and Their Products Group

THE IRON CASTINGS INDUSTRY, 1948

In the annual census of production in Canada the iron and steel group is subdivided into 17 industries, one being the Iron Castings Industry which is reviewed in this bulletin. This industry covers the operations of iron and steel works which were occupied chiefly in making commercial iron castings or iron and steel pipe and tubing. Some machinery, boilers, engines, stoves and furnaces, etc., were made as secondary or minor products.

Some iron foundries have not been included in the Iron Castings Industry but have been classified to other special groups. For example, some makers of agricultural implements operated iron foundries to make castings for their own use and these concerns have, of course, been included in the Farm Implements Industry which is reviewed in a separate bulletin. Similarly, some stove manufacturers operated iron foundries but they have been classified to the Cooking and Heating Apparatus Industry which is covered in a separate report.

In 1948 there were 225 establishments in the Iron Castings Industry distributed, by provinces, as follows: Ontario, 106; Quebec, 61; British Columbia, 21; Nova Scotia, 7; Alberta, 9; New Brunswick, 6; Saskatchewan, 6; Manitoba, 7; Prince Edward Island, 2. Production from these works was valued at \$123,738,693 at factory prices, and they employed an average of 19,354 persons, paid out \$46,587,940 for salaries and wages, \$3,318,540 for fuel and electricity, and \$49,005,345 for manufacturing materials.

Tables 1 to 4 and 7 of this report are for the Iron Castings Industry only. Tables 5 and 6 give the total output in Canada, from all industries, of iron and steel pipe and tubing and miscellaneous iron castings.

Table 1 - PRINCIPAL STATISTICS OF THE IRON CASTINGS INDUSTRY, 1944-1948

Year	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
1944	196	15,559	28,952,121	2,468,459	27,810,836	73,967,421
1945	205	15,726	29,316,949	2,415,849	29,478,446	76,581,974
1946	219	16,925	31,381,935	2,346,480	27,546,850	82,278,070
1947	216	18,167	38,201,506	2,627,481	36,201,211	102,515,842
1948	225	19,354	46,387,940	3,318,540	49,005,345	123,738,693
Per cent change 1948 from 1947.	...	+ 6.5	+ 21.4	+ 26.3	+ 35.4	+ 20.7

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.

This report was prepared in the Mining, Metallurgical and Chemical Section.

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Table 2 - PRINCIPAL STATISTICS OF THE IRON CASTINGS INDUSTRY, BY PROVINCES, 1947 and 1948

Province	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
<u>1947</u>						
Prince Edward Island	2)	366	617,833	52,441	474,746	1,272,539
Nova Scotia	7)					
New Brunswick	6	71	104,988	8,482	57,243	226,392
Quebec	54	4,325	8,720,615	547,143	10,083,110	24,017,609
Ontario	102	11,499	24,999,140	1,849,546	22,791,259	67,223,559
Manitoba	7	636	1,330,513	51,345	991,394	4,081,888
Saskatchewan	7	119	200,704	13,986	147,697	617,912
Alberta	9	510	927,485	34,067	663,472	2,110,327
British Columbia ...	22	641	1,300,228	70,471	992,290	2,965,616
CANADA	216	18,167	38,201,506	2,627,481	36,201,211	102,515,842
<u>1948</u>						
Prince Edward Island	2)	365	701,019	60,998	611,196	1,661,083
Nova Scotia	7)					
New Brunswick	6	72	123,457	8,265	63,104	268,630
Quebec	61	4,719	10,656,476	651,119	13,131,499	30,777,888
Ontario	106	12,278	30,636,082	2,360,650	31,816,805	79,591,621
Manitoba	7	678	1,591,369	111,636	1,376,802	4,807,406
Saskatchewan	6	120	210,323	14,701	232,847	640,903
Alberta	9	513	1,081,037	38,087	735,745	2,550,851
British Columbia ...	21	609	1,388,177	73,084	1,037,347	3,440,311
CANADA	225	19,354	46,387,940	3,318,540	49,005,345	123,738,693

Table 3 - PRODUCTS MADE BY FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1947 and 1948

Note: Data given in this table cover only the output of firms which were engaged chiefly in making commercial iron castings, iron and steel pipe and fittings, and which have been classified to the Iron Castings Industry. Figures for the individual items do not represent the total output for Canada as in each case there was also a production in other industrial groups. Supplementary tables have been added to show total production in Canada of iron castings and of iron and steel pipe and tubing.

Product	1947			1948		
	Tonnage made	Tonnage sold	Selling value at works	Tonnage made	Tonnage sold	Selling value at works
Commercial castings -						
Aluminum	797	797	635,442	1,045	1,023	804,853
Grey iron	160,329	158,352	23,825,690	191,793	190,792	30,569,095
Malleable iron	30,549	29,613	6,775,235	36,495	35,456	9,156,402
Brass	330	314	305,520	387	381	291,862
Bronze	229	229	133,984	186	186	165,362
Pipe, tubing and fittings, iron and steel	243,491	258,075	36,621,834	276,115	279,462	41,977,380
Pipe fittings (except iron and steel) and other plumbers' goods (other than valves) .....	...	...	2,267,946	...	...	2,830,344
Sanitaryware, enamelled, cast iron ...	...	...	5,471,706	...	...	8,332,191
Heating and cooking apparatus (stoves, furnaces, etc.) .....	...	...	2,615,012	...	...	2,643,111
Machinery and parts .....	...	...	7,713,513	...	...	8,353,516
Valves (iron, steel, brass and bronze) including radiator valves and traps .....	...	...	2,394,771	...	...	2,643,151
All other products .....	...	...	10,965,973	...	...	13,541,518
Receipts from custom work and repairs.	...	...	2,789,216	...	...	2,429,908
TOTAL .....	...	...	102,515,842	...	...	123,738,693

Table 4 - MATERIALS USED IN THE IRON CASTINGS INDUSTRY, 1947 and 1948

Material	Unit of measure	1947		1948	
		Quantity	Cost at works	Quantity	Cost at works
Iron -					
Pig iron, all grades	ton	210,987	7,282,904	247,959	10,292,845
Wrought iron skelp	ton	11	827	2	365
Iron castings of all kinds	ton	3,215	442,017	2,739	502,083
Steel, hot or cold rolled -					
Steel castings	ton	7,495	637,110	4,209	653,584
Billets	ton	35,819	2,083,674	37,035	2,551,166
Bars	ton	11,973	822,416	14,166	1,091,146
Forgings .....	...	...	89,007	...	13,785
Plates	ton	2,373	230,163	4,874	366,189
Shafting	ton	987	109,109	605	94,086
Sheets - Galvanized	ton	206	28,016	402	61,094
Plain (black)	ton	3,069	235,984	3,412	291,983
Polished	ton	12	1,450	16	1,830
Skelp	ton	101,788	5,963,939	113,100	8,037,045
Strip	ton	3,804	415,204	5,017	519,358
Stampings	ton	...	341,629	...	382,192
Structural shapes (channels, angles, etc.)	ton	2,207	186,362	2,070	152,363
Wire	ton	2,781	212,315	5,197	406,653
Alloy steel	ton	...	67,316	...	159,951
Scrap iron and steel of all kinds	ton	174,190	3,766,262	222,628	6,390,730
Other iron and steel (except finished parts) ...	...	...	184,952	...	166,430
Ferro-alloys .....	...	...	335,405	...	525,191
Non-ferrous metals (including scrap) -					
Aluminum	pound	1,967,170	290,826	2,540,486	516,567
Brass and bronze	pound	8,213,865	1,265,265	5,455,809	1,242,430
Copper	pound	732,372	175,693	502,661	119,530
Lead	pound	93,249	9,857	95,836	16,792
Nickel	pound	302,715	116,324	347,274	149,504
Tin	pound	2,575	1,703	4,003	4,138
Zinc	pound	10,118,778	894,594	12,703,264	1,657,025
Babbitt metals and solders	pound	133,053	48,605	102,312	45,713
Other non-ferrous metals .....	...	...	56,803	...	55,707
Articles used for further manufacture -					
Parts for stoves, machines, etc. ....	...	...	656,779	...	886,938
Iron and steel pipe, tubing and fittings. ....	...	...	105,292	...	184,293
Frit for enamelling .....	...	...	283,453	...	396,799
Feldspar	ton	432	9,345	561	12,542
Paints, oils and varnishes .....	...	...	80,383	...	70,499
Other materials and supplies -					
Foundry coke (used in cupola, not for heat or power)	ton	82,581	1,497,697	103,765	2,325,364
Moulding sands	ton	45,621	282,214	55,562	372,044
Core sands	ton	70,934	247,478	89,828	307,093
Silica sand for sand-blasting	ton	4,603	41,419	7,164	53,899
Other foundry sands	ton	7,089	37,634	19,136	45,100
Starch	pound	300,317	21,891	291,133	23,293
Plumbago	pound	662,931	48,117	586,791	45,119
Other foundry facings .....	...	...	98,708	...	103,312
Patterns and models .....	...	...	90,619	...	102,419
Lumber	M ft. b.m.	5,642	408,713	4,303	349,019
Firebrick	No.	2,071,940	257,306	2,348,464	337,757
Fireclay	ton	7,618	88,142	7,574	89,606
Cupola blocks	No.	447,367	81,183	401,284	107,037
Cora oil	Imp.gal.	407,706	261,088	303,659	326,694
Core compound	pound	3,258,216	115,702	2,269,336	117,402
Sulphuric acid 100%	pound	2,926,328	32,308	3,003,357	33,892

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Table 4 - MATERIALS USED IN THE IRON CASTINGS INDUSTRY, 1947 and 1948 (concluded)

Material	Unit of measure	1947		1948	
		Quantity	Cost at works	Quantity	Cost at works
<u>Other materials and supplies -</u>					
Acetylene	cu.ft.	1,168,552	31,124	1,256,755	36,215
Oxygen	cu.ft.	13,102,409	104,527	15,117,328	117,979
Shipping containers .....	...	...	402,047	...	727,198
All other materials and supplies .....	...	...	4,622,211	...	5,366,357
TOTAL .....	...	...	36,201,211	...	49,005,345

Table 5 - FACTORY SALES OF IRON AND STEEL PIPE AND TUBING, 1947 and 1948 (From all industries)

		1947	1948
Cast iron soil pipe and fittings	ton	32,502	44,860
	\$	4,516,345	7,119,098
Cast iron water pipe and fittings	ton	77,941	91,677
	\$	5,881,917	8,480,694
Cast iron pipe fittings, all other, including flanges and flange fittings	ton	13,783	15,807
	\$	2,691,527	3,596,889
Malleable iron pipe fittings of all kinds, including railway fittings	ton	11,877	13,789
	\$	4,632,085	5,088,766
Steel pipe, butt-weld and lap-weld, all sizes ..	ton	105,683	106,452
	\$	12,651,652	13,187,856
Steel pipe fittings, all kinds	ton	6,304	7,304
	\$	1,972,280	2,412,602
Steel pipe, riveted or welded (from plate) ..	ton	4,035	3,669
	\$	1,199,588	1,079,637
Culvert pipe formed from steel sheets	\$	2,669,045	4,343,703
Steel tubing, including seamless, boiler, light cold formed, etc.	ton	35,710	32,407
	\$	7,278,040	6,597,597
TOTAL VALUE	\$	43,492,479	51,906,842

APPENDIX

As mentioned in the opening paragraphs of this report, the Iron Castings Industry includes only the foundries which were engaged chiefly in making miscellaneous castings and forgings to their customers' orders, or in making such specific products as cast iron or malleable iron pipe and fittings or cast iron sanitaryware. Some other concerns operated customs foundries as a secondary part of their business, and others maintained foundries to cast their own parts for agricultural implements, machinery, stoves, etc., which were the final products of their works. These latter foundries have been classified to other industrial groups.

A special study of all reports submitted to the Bureau indicates that in 1948 there were 390 operating iron foundries distributed across Canada. In 1948 these foundries used 439,101 net tons of pig iron, 539,406 net tons of scrap iron, and 208,269 net tons of cupola coke, and production of iron castings totalled about 712,000 tons.

Table 6 - TOTAL PRODUCTION OF IRON CASTINGS, AND MATERIALS CHARGED TO CUPOLAS, 1946-1948

		1946	1947	1948
Pig iron used	net tons	328,509	390,792	439,101
	\$	9,351,345	13,376,494	17,909,408
Scrap iron and steel used	net tons	424,319	468,627	539,406
	\$	7,753,834	9,859,031	14,569,533
Coke used in cupolas or melting furnaces ..	net tons	182,945	178,801	208,269
	\$	2,604,192	3,267,821	4,660,450

Table 6 - TOTAL PRODUCTION OF IRON CASTINGS, AND MATERIALS CHARGED TO CUPOLAS, 1946-1948 (concluded)

		1946	1947	1948
Iron castings made (whether for sale or for own use)				
Grey and white iron castings (a)	net tons	368,000	443,000	503,000
Malleable iron (a)	net tons	34,000	41,000	43,000
Cast iron pipe and fittings	net tons	99,000	124,000	152,000
Malleable iron pipe fittings	net tons	11,000	12,000	14,000
TOTAL CASTINGS	net tons	512,000	620,000	712,000

(a) Estimated from monthly statements by 200 iron foundries which account for about 90 per cent of total production.

NOTE: A complete list of iron foundries in Canada may be obtained by writing to the Dominion Statistician, Dominion Bureau of Statistics, Ottawa, Canada.

Table 7 - EMPLOYEES, SALARIES AND WAGES, IN THE IRON CASTINGS INDUSTRY, 1947 and 1948

Province	Average Number of Employees						Salaries \$	Wages \$	Total Salaries and wages \$			
	On Salaries		On Wages		Total							
	Male	Female	Male	Female								
<u>1947</u>												
Prince Edward Island)												
Nova Scotia	19	8	336	3	366	55,870	561,963	617,833				
New Brunswick	8	2	59	2	71	17,040	87,948	104,988				
Quebec	391	135	3,699	100	4,325	1,270,261	7,450,354	8,720,615				
Ontario	737	360	10,154	248	11,499	3,259,322	21,739,818	24,999,140				
Manitoba	78	29	529	...	636	269,068	1,061,445	1,330,513				
Saskatchewan	13	10	96	...	119	42,510	158,194	200,704				
Alberta	65	17	425	3	510	206,913	720,572	927,485				
British Columbia ...	67	18	553	3	641	232,467	1,067,761	1,300,228				
CANADA	1,378	579	15,851	359	18,167	5,353,451	32,848,055	38,201,506				
<u>1948</u>												
Prince Edward Island)												
Nova Scotia	20	8	333	4	365	61,828	639,191	701,019				
New Brunswick	7	3	60	2	72	23,568	99,889	123,457				
Quebec	404	147	4,065	103	4,719	1,432,187	9,224,289	10,656,476				
Ontario	725	351	10,962	240	12,278	3,617,377	27,018,705	30,636,082				
Manitoba	90	33	555	...	678	316,102	1,275,267	1,591,369				
Saskatchewan	12	7	101	...	120	40,401	169,922	210,323				
Alberta	77	17	416	3	513	250,420	830,617	1,081,037				
British Columbia ...	66	18	523	2	609	238,287	1,149,890	1,388,177				
CANADA	1,401	584	17,015	354	19,354	5,980,170	40,407,770	46,387,940				

DIRECTORY OF FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1948

Note: The following list includes only names of the concerns which have been classified to this particular industry. It is not intended to be a complete list of iron foundries in Canada.

Name of Firm	Location of Plant
Prince Edward Island -	
Parker, H. W. Stewart, Bruce and Co. Limited	Georgetown 6 Great George St., Charlottetown

DIRECTORY OF FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1948
 (Continued)

Name of Firm	Location of Plant
<u>Nova Scotia</u>	
Dartmouth Pron Foundry	42 Maple St., Dartmouth
Enamel and Heating Products Limited	Station St., Amherst
Fleming Bros.	1595 Barrington St., Halifax
Hanright Foundry Co.	10 Highfield St., Amherst
Hillis and Sons, Ltd.	209 Hollis St., Halifax
New Glasgow Foundry	New Glasgow
Matheson, I., and Co. Ltd.	North Provost St., New Glasgow
<u>New Brunswick</u> -	
Courtenay Iron and Brass Foundry	Rothesay Ave., Saint John
Dunbar Engine and Foundry Co.	Woodstock
Fredericton Foundry	953 Union St., Fredericton
McLennan Engineering Works Ltd.	Water St., Campbellton
Phoenix Foundry Company	130 Pond St., Saint John
Wallace Mfg. Co. Ltd.	Winter St., Sussex
<u>Quebec</u> -	
A la Vieille Forge Enr'g.	St. Césaire
Boisclair, Antoine	St. Gabriel de Brandon
Canada Iron Foundries, Limited	227 St. Maurice St., Three Rivers
Canadian National Foundry	Grand'Mère
Canadian Tube and Steel Products, Limited	5765 Hamilton St., Montreal
Crane, Limited	3800 St. Patrick St., Cote St. Paul, Montreal
Crane Steelware Ltd.	Industrial Center No.5, Quebec
Darling Bros. Limited	140 Prince St., Montreal
Dominion Tank Mech. Works	8470 Nicolet St., Ville St. Michel
Gariepy Foundry Reg'd.	49 Allen St., Waterloo
General Foundry Ltd.	Windsor Mills
Granby Foundry & Machine Co.	165 Laval St., Granby
Hudon, J., & Fils Enrg.	1 St. Louis St., La Tuque
La Compagnie Dussault et Lamoureux	18 Ave. de L'Hotel Dieu, St. Hyacinthe
La Fonderie B.C.L. Ltée	Rivière Bleue
La Fonderie Bégin & Gingras Enrg.	Industrial Center No.5, Quebec
La Fonderie Beloeil, Ltée	Beloeil Station
La Fonderie Bourget, Enrg.	Windsor Mills East
La Fonderie Canadienne	374 St. Jacques St., St. John
La Fonderie de Ste. Croix Ltée	Ste. Croix
La Fonderie de Robertsonville Ltée	Robertsonville
La Fonderie de St. Anselme Ltée	St. Anselme Station
La Fonderie de Thetford Ltée	796 Notre Dame St., Thetford Mines
La Fonderie Despres	Montmagny Station
La Fonderie Grand'Mère	Grand'Mère
La Fonderie Légaré	48 Short St., Sherbrooke
La Fonderie Magog	Magog
La Fonderie Ouellet Enrg.	St. Leonard d'Aston
La Fonderie Paquette Enrg.	30 St. Ignace St., Laprairie
La Fonderie St. Maurice Enrg.	Brunelle
La Fonderie St. Placide	St. Placide
La Fonderie Trottier Inc.	St. Casimir
Lamond Alloy Foundry Ltd.	361 Alice St., Joliette
Laperle, Louis, Enrg.	St. Ours
Laroche & Frères, Ltée	Pont Rouge
Lavoie, Euchariste Enrg.	Baie St. Paul
Les Industries Roy Ltée	Montmagny Station
Limoges & Frères	42 Chateauguy St., Hull
MacDonald Metal & Plastics Ltd.	50 Taylor St. E., Waterloo
Marquette Foundry	8012 Milton St., Montreal
Maury, A.	7548 St. Hubert St., Montreal
McOuat, T., and Son, Limited	Lachute Mills
Melanson's Foundry	2430 Ville Marie St., Montreal

DIRECTORY OF FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1948
 (Continued)

Name of Firm	Location of Plant
<u>Quebec (concluded) -</u>	
Montreal Foundry Limited	1249 Conde St., Montreal
Monsarrat Machinery and Foundries Ltd.	Rivière du Loup
Northern Foundry	60 St. Hubert St., Pont Vieux
Paul Bros. Foundry Limited	3 rue Poupart, Laprairie
Peacock Bros. Limited	260 St. Patrick St., Ville la Salle
Provost, Aimé	Napierville
Quebec Brass and Iron Foundry Co. Ltd.	53 Commercial St., Lévis
Rouleau Limitée	Mont Joli
St. Jerome Industries Ltd.	St. Jerome
Savoie, Réné	Ste. Marie de Beauce
Shawinigan Foundries, Limited	Shawinigan Falls
Steel Company of Canada, Limited	4110 St. Ambroise St., Montreal
Sylvestre, J. C.	31 St. Joseph St., Lévis
Terreau & Racine Limitée	194 .. 228 rue St. Paul, Quebec
Terrebonne Foundry Inc.	40 St. Joseph St., Terrebonne
Union Foundry Limited	431 St. Luke St., Granby
Viau, M. I., et Fils, Ltée	St. Joseph St., St. Jerome
Walford, H., Limited	2320 Aird Ave., Montreal
Wabi Iron Works (Quebec) Ltd.	Noranda
<u>Ontario -</u>	
Alloy Foundry Incorporated	Merrickville
Armstrong Foundry & Machine Shop, Ltd.	Wellington St., Orangeville
Auto Specialties Mfg. Co. (Canada) Ltd.	614 Tecumseh Rd. E., Windsor
Barco Mfg. Co. of Canada, Ltd.	Power Building, Walkerville
Barratt and Milks	Gananoque
Beatty Bros. Ltd.	London
Bell City Foundry	441 West St., Brantford
Benn Iron Foundry	314 Wallace St., Wallaceburg
Bibby Foundry	Beverley St., Galt
Bint, R., Foundry Limited	175 King St. W., Oshawa
Blow Foundry	Acton
Bond Engineering Works Limited	16 Munition St., Toronto
Bowmanville Foundry Company Limited	Scugog St., Bowmanville
Callender Foundry and Manufacturing Co. Limited	54 Crimea St., Guelph
Canada Iron Foundries Limited	Stuart St. W., Hamilton
Canadian Blower and Forge Co. Ltd.	Woodside Ave., Kitchener
Canadian Car & Foundry Company, Limited	Wilkins St., Brantford
Canadian General Electric Co. Ltd.	990 Lansdowne Ave., Toronto
Canadian Scale Co. (Weir Division)	41 Ossington Ave., Etobicoke
Castings of Ottawa, Ltd.	51 Booth St., Ottawa
Central Foundry	Hespeler
Clarke, J. F. & Co.	Ida
Cristen, O., Foundry Co.	Owen Sound
Concord Foundries Limited	27 John St., Grimsby
Cornwall Brass & Iron Foundry	422 Sixth Ave. E., Cornwall
Crawford Machine & Foundry	100 Wilson St., Woodstock
Cunningham & Son Limited	Berryman Ave., St. Catharines
Dairy-Brewery Equipment & Engineering	37 Hanna Ave., Toronto
Daly Household Appliances	1107 Aubin Road, Windsor
Dart Union Co. Ltd.	11 Charlotte St., Toronto
Davidson Foundry	16 Hamilton Ave., Ottawa
Domestic Foundry	1595 Crawford Ave., Windsor
Dundas Foundry & Engineering Company	Dundas
Du-Vis Products	94 Briscoe St., London
Eureka Foundry & Manufacturing Co. Limited	Winnett St., Woodstock
Fergusson, J. R., Company	Dundas
Fittings Limited	135 Bruce St., Oshawa

DIRECTORY OF FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1948
(Continued)

Name of Firm	Location of Plant
<u>Ontario - (Continued)</u>	
Fleck, Alexander, Limited	416 Wellington St., Ottawa
Forest Foundry	Forest
Fruit Machinery Company Limited	368 Front St., Belleville
Galt Malleable Iron Co. Limited	Shade and Kerr Sts., Galt
Gartshore-Thomson Pipe and Foundry Co. Ltd.	Stuart St., Hamilton
Gies, Philip, Foundry Ltd.	36 Water St. S., Kitchener
Green, G. Walter, Co. Limited	406 McDonnel St., Peterborough
Grenville Castings Ltd.	Merrickville
Griffin Foundry Co.	22 Huskisson St., Guelph
Grinnell Company of Canada, Limited	2440 Dundas St. W., Toronto
Hamilton Foundry Co. Ltd.	33 Clinton St., Hamilton
Hampson, A. G. and L. W.	Walkerton
Hartley Foundry Co.	247 Colborne St. W., Brantford
Hastings & Sons Foundry & Machine Shop	10 Pine St., Stratford
Holmes Foundry Company Limited	Exmouth St., Sarnia
Imbleau, H., & Sons	63 Raglan St., Renfrew
International Malleable Iron Co. Ltd.	200 Beverley St., Guelph
Jackson Engineering and Foundry Co.	382-388 King St. E., Kingston
James Bros. Foundry	Perth
Kent Foundry	Richmond St., Chatham
Lakeside Foundry Ltd.	101 Killaly Road, Humberstone
Lawson, Thos., and Sons, Ltd.	376 Wellington St., Ottawa
Lindsay Foundry Co.	Kent St., Lindsay
Lincoln Foundry Co.	65 St. Paul Crescent, St. Catharines
Massey-Harris Company Limited	Canal St., Brantford
Marshall, A.	940 Assumption St., Windsor
McLean Underfeed Stoker Co. Limited	West Hill, Toronto
McBain Foundry	6 Plymouth Ave., Toronto
McCoy Foundry Co.	67 Bay St. N., Hamilton
McCrae, J., Machine & Foundry Co.	81 Williams St. N., Lindsay
McIntyre & Taylor, Limited	505 Queen St. W., Toronto
Morash Foundry Co.	Morrisburg
Muskoka Foundry Limited	Shier St., Bracebridge
National Iron Corporation Limited	324 Cherry St., Toronto
Niagara Foundry Company	747 Buttrey Ave., Niagara Falls
Ontario Malleable Iron Co. Ltd.	Oshawa
Page-Hersey Tubes, Ltd.	Guelph and Welland
Payette, P., Co.	Nelson St., Penetanguishene
Port Hope Sanitary Mfg. Co. Limited	Port Hope
Preston Foundry Co. Ltd.	307 Bishop St., Preston
Production Castings Ltd.	7th and New Toronto Sts., New Toronto
Sarco Canada Ltd.	Claremont
Shantz, P. E., Foundry	Fountain St., Preston
Slatcher Engineering Co. Ltd.	875 Old Weston Road, Toronto
Smith Bros.	Beaverton
Smith's Falls Malleable Castings Limited	22 Bay St., Smith's Falls
Standard Foundry and Supply Co. Ltd.	840 Walker Road, Windsor
Standard Sanitary & Dominion Radiator Ltd.	800 Lansdowne Ave., Toronto
Standard Tube Company Limited	Drew & Given Sts., Woodstock
Standard Castings & Mfg. Co.	Sheffield St., Hespeler
Sudbury Construction & Machinery Co. Ltd.	149 Lorne St., Sudbury
Teeswater Foundry	Teeswater
Tomlinson, T., Foundry Co. Limited	352 Front St. E., Toronto
Toronto Foundry Co. Limited	1884 Davenport Road, Toronto
Toronto Hardware Mfg. Co. Ltd.	420 Dufferin St., Toronto
Victoria Foundry Co. Ltd.	44 Booth St., Ottawa
Wabi Iron Works, Limited	New Liskeard
Walker Metal Products Limited	1511 Kildare Road, Walkerville
Walkerton Foundry	Walkerton
Warp Tension Governors, Limited	308 Water St. W., Cornwall

DIRECTORY OF FIRMS INCLUDED IN THE IRON CASTINGS INDUSTRY, 1948
 (Concluded)

Name of Firm	Location of Plant
<u>Ontario</u> - (concluded)	
Weber, O. M.	Hawkesville
Welland Iron and Brass Company	102 Niagara St., Welland
Wells Foundry Limited	1250 Florence St., London
West Machinery Limited	1 Union St., Simcoe
Whittaker Fireplaces	859 Wyandotte St. W., Windsor
Woodside Bros.	173 Manitou St., Port Arthur
Worr Foundry Company Limited	163 Sterling Road, Toronto
Wotherspoon, J. A. & Son Ltd.	Cross Ave., Oakville
<u>Manitoba</u> -	
Anthes Foundry Limited	Saskatchewan Ave., Winnipeg
Bell Foundry Co.	120 Aberdeen Ave., Winnipeg
Dominion Foundry Company	Watt and Union Sts., Winnipeg
General Foundry & Furnace Co.	1030 Arlington St., Winnipeg
Progressive Mfg. Company	470 Warsaw Ave., Winnipeg
Thor Foundry	794 Archibald St., St. Boniface
Vulcan Iron Works, Limited	Sutherland & Maple, Winnipeg
Winnipeg Foundry Co. Ltd.	944 Henry Ave., Winnipeg
<u>Saskatchewan</u> -	
Blanchard Foundry & Machine Co. Ltd.	104 .. 22nd Street W., Saskatoon
East, John, Iron Works Ltd.	121 Avenue C. N., Saskatoon
Prince Albert Foundry Company	17th and Central Sts., Prince Albert
Springstein & Davidson Machine Shop	6th Avenue and Lorne St., Regina
Acme Foundry Company	182 Wall St., Saskatoon
McIntyres	219 Cheadle St., Swift Current
<u>Alberta</u> -	
Alberta Foundry and Machine Co. Ltd.	Smelter Ave., Medicine Hat
Calgary Iron Works Limited	410 .. 9th Avenue E., Calgary
Canadian Foundry Company	240 .. 3rd Avenue E., Calgary
Lethbridge Iron Works Co. Ltd.	120 .. 1st Avenue S., Lethbridge
Nichols Bros. Limited	10103 .. 95th Street, Edmonton
Norwood Foundry Co. Ltd.	9111 .. 111th Avenue, Edmonton
Standard Iron Works, Limited	121 St. and 106 Avenue, Edmonton
St. Paul Foundry	St. Paul
Riverside Iron Works Ltd.	803 .. 24th Ave. S. E., Calgary
<u>British Columbia</u> -	
Alliance Ware, Ltd.	1590 Powell St., Vancouver
Acme Iron Works	1210 Glen Drive, Vancouver
Associated Iron Foundry	4080 Nanaimo St., Vancouver
Cranbrook Foundry Company Limited	Cranbrook
Dobney Foundry Co.	312 .. 13th St., New Westminster
Ellis, W. J., & Co. Ltd.	210 Lorne St., Kamloops
Howard & Mohs	Estabrook Ave., Penticton
Littler & Sons Iron Works	1475 Franklin St., Vancouver
McLean and Powell Iron Works	398 W. 2nd Avenue, Vancouver
Mainland Foundry Company	1707 Pandora St., Vancouver
Milbourne Foundry	852 River Road, Lulu Island
Nanaimo Foundry & Engineering Works	Comox Road, Nanaimo
Nairn Brothers Foundry	1616 Powell St., Vancouver
Nye Foundry	503 Powell Street, Vancouver
Ramsay & Adams Foundry Co. Ltd.	435 Garbally Road, Victoria
Reliance Foundry Company Limited	149 .. 4th Avenue W., Vancouver
Ross and Howard Iron Works Co. Ltd.	ft. Woodland Drive, Vancouver
Terminal City Iron Works, Ltd.	1909 Franklin St., Vancouver
Van Wyck's Welding and Stove Works	2157 Main St., Vancouver
Victoria Machinery Depot Co. Ltd.	33 Dallas Road, Victoria
Western Foundry Co.	1416 Franklin St., Vancouver

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