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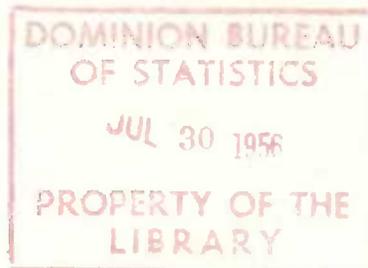
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CANADA

THE IRON CASTINGS 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¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—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¢
- F—The Heating and Cooking Apparatus Industry, 25¢
- G—The Machinery Industry, 25¢
- H—The Machine Shops Industry, 25¢
- I—The Iron Castings Industry, 25¢
- J—The Primary Iron and Steel Industry, 25¢
- K—The Sheet Metal Products Industry, 25¢
- L—The Wire and Wire Goods Industry, 25¢
- M—The Miscellaneous Iron and Steel Products Industry, 25¢

THE IRON CASTINGS INDUSTRY

1954

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 Agricultural Implements Industry which is reviewed in a separate bulletin. Similarly, some stove manufacturers operated iron foundries but they have been classified to the Heating and Cooking Apparatus Industry which is covered in a separate report.

In 1954 there were 202 establishments in the Iron Castings Industry, distributed by provinces, as follows: Ontario, 93; Quebec, 56; British Columbia,

19; Alberta, 11; Nova Scotia, 6; Saskatchewan, 6; Manitoba, 5; New Brunswick, 4; Newfoundland, 1 and Prince Edward Island, 1. Factory shipments from these works were valued at \$139,904,793 and they employed 13,748 persons, paid out \$47,535,297 for salaries and wages, \$2,826,611 for fuel and electricity and \$61,661,101 for manufacturing materials.

Tables 1 to 4 and 7 to 11 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.

Note: Due to lack of inventory data, figures for value added by manufacture, shown in Table 1, prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of shipments. 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.

TABLE 1. Principal Statistics of the Iron Castings Industry², Significant Years, 1929-1954, and by Provinces, 1953 and 1954

Year and province	Establishments	Employees	Earnings	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
1929	336	23,443	30,854,654	2,581,003	35,994,441	52,999,702	91,575,146
1933	327	11,111	9,816,895	1,130,725	8,053,094	15,013,528	24,197,347
1937	231	12,164	14,333,923	1,505,625	17,091,230	23,316,898	41,913,753
1939	194	9,635	11,190,871	1,115,615	12,273,647	18,956,569	32,345,831
1942	201	16,867	28,671,888	2,289,356	30,330,276	48,721,977	81,341,609
1946	219	16,925	31,381,935	2,346,480	27,546,850	52,384,740	82,278,070
1949	231	18,339	46,165,355	3,117,227	55,315,454	74,880,824	133,313,505
1950	218	17,567	47,718,307	3,632,883	60,200,601	78,528,361	142,361,845
1951	205	17,462	52,128,413	3,487,662	75,003,538	86,683,461	165,174,661
1952	203	15,937	51,142,241	3,325,867	78,461,149	89,181,703	170,968,719
1953							
Newfoundland	1	162	421,631	22,717	320,482	467,237	810,436
Prince Edward Island.....	1						
Nova Scotia	6	85	195,245	12,643	107,259	365,123	485,025
New Brunswick	5						
Quebec	56	3,565	11,805,046	701,856	15,367,843	17,734,431	33,604,130
Ontario	94	10,257	36,412,658	2,399,619	50,251,636	59,478,287	112,129,542
Manitoba	5	337	1,114,862	39,856	969,331	2,055,537	3,064,724
Saskatchewan	6	146	436,373	22,571	401,491	639,605	1,063,667
Alberta	10	346	1,061,183	30,726	879,977	1,864,778	2,775,481
British Columbia.....	17	448	1,538,578	50,540	852,190	2,429,391	3,332,121
Canada	201	15,346	52,985,576	3,280,528	69,150,209	85,034,389	157,465,126

TABLE 1. Principal Statistics of the Iron Castings Industry², Significant Years, 1929-1954, and by Provinces, 1953 and 1954 - Concluded

Year and province	Estab- lish- ments	Em- ployees	Earnings	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
1954							
Newfoundland	1	149	413,425	21,619	275,533	492,384	788,490
Prince Edward Island	1						
Nova Scotia	6						
New Brunswick	4	98	249,572	7,387	123,634	433,414	564,448
Quebec	56	3,403	11,240,227	580,979	15,983,325	17,568,014	33,397,626
Ontario	93	3,756	31,163,890	1,930,933	42,074,685	50,959,910	94,389,827
Manitoba	5	388	1,288,230	62,898	1,026,721	2,367,286	3,418,698
Saskatchewan	6	116	363,233	23,381	235,943	541,853	785,571
Alberta	11	370	1,199,388	35,793	1,003,410	1,888,767	2,862,874
British Columbia	19	458	1,614,332	63,621	937,850	2,418,541	3,397,259
Canada	202	13,748	47,535,297	2,826,611	61,661,101	76,670,172	139,904,793

Note. Profits or losses cannot be calculated from 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.
2. Included Heating and Cooking Apparatus prior to 1935.

TABLE 2. Inventories¹, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Newfoundland, Prince Edward Island and Nova Scotia	100,728	22,305	17,954	140,987
New Brunswick	46,240	7,970	7,670	61,880
Quebec	3,991,845	3,554,832	3,601,401	11,148,078
Ontario	10,665,260	3,354,089	7,495,350	21,514,699
Manitoba	244,807	800	224,715	470,322
Saskatchewan	83,463	9,412	31,427	124,302
Alberta	213,141	176,129	91,207	480,477
British Columbia	158,794	13,100	142,608	314,502
Canada	15,504,278	7,138,637	11,612,332	34,255,247
Closing:				
Newfoundland, Prince Edward Island and Nova Scotia	117,941	11,561	19,000	148,502
New Brunswick	38,908	11,854	7,657	58,419
Quebec	4,398,068	3,200,518	4,136,093	11,734,679
Ontario	8,500,228	2,576,252	8,071,051	19,147,531
Manitoba	191,907	400	262,922	455,229
Saskatchewan	68,925	9,386	47,036	125,347
Alberta	232,675	354,392	156,303	743,370
British Columbia	155,172	43,451	165,361	363,984
Canada	13,703,824	6,207,814	12,865,423	32,777,061

1. (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.
(b) 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 Iron Castings Industry for the year under review are shown in the above table.

TABLE 3. Factory Shipments by Firms in the Iron Castings Industry, 1953 and 1954

Product	1953		1954	
	Quantity shipped	Value of shipments	Quantity shipped	Value of shipments
	tons	\$	tons	\$
Commercial castings:				
Aluminum	342	497,177	316	457,948
Grey iron	144,299	31,690,468	107,578	23,680,804
Malleable iron	23,551	7,865,084	16,934	5,999,605
Brass and bronze	386	492,703	321	505,914
Pipe, tubing and fittings, iron and steel	381,400	74,570,127	397,508	70,538,630
Pipe fittings (except iron and steel) and other plumbers' goods (other than valves)	—	3,197,033	—	3,157,210
Heating and cooking apparatus (stoves, furnaces, etc.)	—	3,522,549	—	2,031,661
Machinery and parts	—	1,918,524	—	1,203,729
Valves (iron, steel, brass and bronze), including radiator valves and traps	—	5,695,401	—	6,155,031
All other products	—	25,171,211	—	25,228,472
Receipts from custom work and repairs	—	2,844,849	—	945,789
Total	—	157,465,126	—	139,904,793

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.

TABLE 4. Materials Used in the Iron Castings Industry, 1953 and 1954

Material	1953		1954		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Iron:					
Pig iron, all grades	tons	204,687	11,663,809	160,876	8,805,576
Steel, hot or cold rolled:					
Billets	tons	9,380	909,503	6,541	667,290
Bars	"	12,711	1,471,641	11,191	1,166,254
Plates	tons	1,997	304,475	1,773	266,165
Sheets:					
Plain	"	5,451	667,270	2,309	278,876
Galvanized	"	216	40,571	223	41,393
Tin plate	"	35	6,760	16	2,417
Skelp	"	263,542	24,954,807	232,170	22,906,264
Strip	"	1,528	219,563	2,552	364,381
Structural shapes (channels, angles, etc.)	"	1,951	296,672	1,784	282,044
Wire	"	4,090	441,521	3,760	408,317
Alloy steel	—	—	441,390	—	1,027,184
Scrap iron and steel of all kinds	tons	251,403	8,626,255	262,498	8,793,055
Other iron and steel (except finished parts)	—	—	1,753,434	—	1,266,056
Ferro-alloys	—	—	905,087	—	861,514
Non-ferrous metals (including scrap):					
Aluminum:					
Castings	pounds	11,374	5,330	11,700	10,054
Sheet	"	93,771	49,947	22,832	9,568
Other forms	"	766,428	172,889	832,375	188,879
Brass and bronze	"	5,957,491	1,927,688	5,126,935	1,613,969
Copper:					
Sheet	"	2,415	1,148	4,664	2,674
Wire	"	—	—	1,800	590
Other forms	"	385,437	129,476	185,343	55,054
Lead	"	92,660	14,299	64,336	10,579
Nickel	"	437,899	259,429	441,083	260,918
Tin	"	11,500	11,745	9,054	9,248
Zinc	"	9,553,330	1,107,808	8,144,189	860,781
Babbitt metals and solders	"	49,532	29,161	38,663	16,090
Other non-ferrous metals	—	—	44,198	—	15,749

TABLE 4. Materials Used in the Iron Castings Industry, 1953 and 1954 - Concluded

Material	1953		1954	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Other materials and supplies:				
Iron and steel pipe, tubing and fittings.....	—	1,326,101	—	1,707,045
Frit for enamelling.....	pounds 1,600	240	—	—
Feldspar.....	tons 42	734	10	430
Paints, oils and varnishes.....	—	141,745	—	190,004
Foundry coke (used in cupola, not for heat or power).....	tons 83,151	2,444,760	72,899	2,049,967
Moulding sands.....	" 39,717	302,350	34,362	288,241
Core sands.....	" 79,540	340,912	57,735	274,286
Silica sand.....	" 7,351	73,404	3,673	40,545
Other foundry sands.....	" 5,104	42,234	7,189	72,839
Plumbago.....	pounds 755,041	66,905	506,081	40,851
Lumber.....	Mft. b.m. 2,606	280,488	1,692	199,660
Firebrick.....	no. 1,261,152	233,046	1,310,089	238,696
Fireclay.....	tons 6,098	117,579	4,822	98,464
Cupola blocks.....	no. 207,347	83,740	172,092	73,459
Core oil.....	Imp. gal. 218,823	224,445	163,154	165,941
Sulphuric acid, 100%.....	pounds 2,334,230	39,740	2,205,286	37,806
Shipping containers.....	—	458,038	—	364,124
All other materials and supplies.....	—	6,017,872	—	5,627,704
Total.....	—	69,150,209	—	61,661,101

TABLE 5. Factory Sales of Iron and Steel Pipe and Tubing, 1953 and 1954 (From all Industries)

	1953	1954
Cast iron soil pipe and fittings.....	tons 54,100	52,200
	\$ 10,873,000	11,815,000
Cast iron water pipe and fittings.....	tons 96,400	108,500
	\$ 11,128,000	12,598,000
Cast iron pipe fittings, all other, including flanges and flange fittings.....	tons 10,300	8,900
	\$ 4,066,000	3,681,000
Malleable iron pipe fittings of all kinds, including railing fittings.....	tons 7,700	7,000
	\$ 5,924,000	4,962,000
Steel pipe and tubing.....	tons 220,800	219,500
	\$ 41,943,000	36,260,000
Steel pipe fittings, all kinds.....	tons 5,700	5,000
	\$ 3,401,000	3,885,000
Steel pipe, riveted or welded (from plate).....	tons 8,400	3,800
	\$ 1,652,000	1,145,000
Culvert pipe formed from steel sheets.....	tons 30,300	34,700
	\$ 10,048,000	11,205,000
Total value.....	\$ 89,035,000	85,551,000

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. 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 1954 there were about 400 operating foundries distributed across Canada. In 1954 these foundries used 267,000 net tons of pig iron, 529,000 net tons of scrap iron and 147,000 net tons of cupola coke. Production of iron castings totalled 713,000 tons.

TABLE 6. Total Production of Iron Castings and Materials Charged to Cupolas, 1952-1954

	1952	1953	1954
Pig iron used net tons	350,000	356,000	267,000
\$	21,713,000	20,655,000	14,853,000
Scrap iron and steel used net tons	553,000	552,000	529,000
\$	18,843,000	18,452,000	17,521,000
Coke used in cupolas or melting furnaces net tons	188,000	178,000	147,000
\$	5,243,000	5,177,000	4,149,000
Iron castings made (whether for sale or for own use):			
Grey and white iron castings ¹ (except pipe and fittings) net tons	619,000	629,000	499,000
Malleable iron ¹ (except fittings) net tons	42,000	36,000	27,000
Cast iron pipe and fittings net tons	137,000 ²	161,000 ²	180,000 ²
Malleable iron pipe fittings net tons	8,300 ²	7,700 ²	7,000 ²
Total castings net tons	806,300	833,700	713,000

1. Estimated from monthly statements by 200 iron foundries which in 1954 accounted for about 85 per cent of the total production.

2. Factory shipments.

TABLE 7. Principal Statistics of the Iron Castings Industry in Canada, Classified According to Type of Ownership, 1953 and 1954

Type	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Individual ownership	46	533	1,361,681	849,484	2,746,660
Partnerships	25	372	1,034,867	709,167	2,207,207
Incorporated companies	130	14,441	50,589,028	67,591,558	152,511,259
Total	201	15,346	52,985,576	69,150,209	157,465,126
1954					
Individual ownership	42	299	696,562	496,295	1,525,393
Partnerships	28	412	1,246,892	829,217	2,903,970
Incorporated companies	132	13,037	45,591,843	60,335,589	135,475,430
Total	202	13,748	47,535,297	61,661,101	139,904,793

TABLE 8. Principal Statistics of the Iron Castings Industry in Canada, Grouped According to size of Establishment, 1953 and 1954

Establishments reporting factory shipments	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Under \$10,000	19	45	74,780	35,333	113,677
\$10,000 to \$24,999	23	100	227,090	99,765	352,943
\$25,000 to \$49,999	22	173	402,139	250,211	793,098
\$50,000 to \$99,999	23	327	860,441	540,561	1,681,100
\$100,000 to \$199,999	33	869	2,359,432	1,491,440	4,735,941
\$200,000 to \$499,999	41	1,882	5,679,483	4,660,806	13,411,642
\$500,000 to \$999,999	15	1,132	3,856,188	3,395,297	10,678,787
\$1,000,000 to \$4,999,999	16	4,371	15,042,439	17,667,511	41,519,606
\$5,000,000 and over	9	6,422	24,394,758	41,009,285	84,178,332
Head offices	—	25	88,826	—	—
Total	201	15,346	52,985,576	69,150,209	157,465,126

TABLE 8. Principal Statistics of the Iron Castings Industry in Canada, Grouped According to size of Establishment, 1953 and 1954 - Concluded

Establishments reporting factory shipments	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1954					
Under \$10,000	16	29	40,472	25,464	90,952
\$10,000 to \$24,999	23	91	181,704	125,977	394,314
\$25,000 to \$49,999	29	240	577,199	303,224	1,060,319
\$50,000 to \$99,999	21	275	712,080	447,723	1,509,387
\$100,000 to \$199,999	38	954	2,818,847	1,687,354	5,686,103
\$200,000 to \$499,999	33	1,577	4,934,027	3,392,432	10,855,897
\$500,000 to \$999,999	19	1,264	4,324,568	4,924,937	12,922,707
\$1,000,000 to \$4,999,999	15	4,887	16,881,107	13,826,425	40,496,006
\$5,000,000 and over	7	4,408	16,964,940	36,927,565	66,889,108
Head offices	—	23	100,353	—	—
Total	202	13,748	47,535,297	61,661,101	139,904,793

TABLE 9. Employees and Their Earnings in the Iron Castings Industry, 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								
Newfoundland								
Prince Edward Island	18	6	134	4	162	68,905	354,726	421,631
Nova Scotia								
New Brunswick								
Quebec	476	157	2,843	89	3,565	2,425,174	9,379,872	11,805,046
Ontario	1,062	394	8,626	175	10,257	6,254,143	30,158,515	36,412,658
Manitoba	42	10	285	—	337	195,015	919,847	1,114,862
Saskatchewan	25	6	115	—	146	127,032	309,341	436,373
Alberta	47	19	279	1	346	258,591	802,592	1,061,183
British Columbia	45	13	389	1	448	238,379	1,300,199	1,538,578
Canada	1,729	609	12,737	271	15,346	9,622,171	43,363,405	52,985,576
1954								
Newfoundland								
Prince Edward Island	15	6	128	—	149	57,562	355,863	413,425
Nova Scotia								
New Brunswick								
Quebec	453	154	2,713	83	3,403	2,378,158	8,862,069	11,240,227
Ontario	949	388	7,291	138	8,766	5,829,799	25,334,091	31,163,890
Manitoba	48	11	329	—	388	230,978	1,057,252	1,288,230
Saskatchewan	23	4	89	—	116	122,952	243,281	366,233
Alberta	51	11	308	—	370	260,578	938,810	1,199,388
British Columbia	48	14	395	1	458	262,418	1,351,914	1,614,332
Canada	1,600	593	11,331	224	13,748	9,213,915	38,321,382	47,535,297

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

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
	Number					
January	13,022	278	13,300	11,674	236	11,910
February	13,102	282	13,384	11,554	235	11,789
March	12,981	275	13,256	11,520	242	11,762
April	12,861	266	13,127	11,304	229	11,533
May	12,610	277	12,887	11,353	222	11,575
June	12,647	279	12,926	11,415	220	11,635
July	12,629	269	12,898	11,353	218	11,571
August	12,556	263	12,819	10,872	217	11,089
September	13,074	270	13,344	11,271	219	11,490
October	13,089	268	13,357	11,262	222	11,484
November	12,398	269	12,667	10,993	226	11,219
December	11,937	264	12,201	10,864	228	11,092
Average	12,737	271	13,008	11,331	224	11,555

TABLE 11. Capital and Repair Expenditures in the Iron Castings 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		
	\$'000						
1950	759	4,029	4,788	741	4,462	5,203	9,991
1951	1,163	3,602	4,765	714	5,657	6,371	11,136
1952	2,666	3,596	6,262	822	5,724	6,546	12,808
1953	1,406	5,522	6,928	701	5,313	6,014	12,942
1954 ¹	1,231	4,107	5,338	700	4,788	5,488	10,826

1. Preliminary.

Directory of Firms Included in the Iron Castings Industry, 1954

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
Newfoundland:	
Corner Brook Foundry & Machine Co. Ltd.	Corner Brook
Prince Edward Island:	
Parker, H.W.	Georgetown
Nova Scotia:	
Construction Equipment Co., Fleming Bros. Div.	1595 Barrington St., Halifax
Dartmouth Iron Foundry	42 Maple St., Dartmouth
Hanright Foundry Co.	10 Highfield St., Amherst

Directory of Firms Included in the Iron Castings Industry, 1954 - Continued

Name of firm	Location of plant
Nova Scotia - concluded:	
Hillis and Sons, Ltd.	209 Hollis St., Halifax
Matheson, I., Co. Limited	Box 1101, New Glasgow
New Glasgow Foundry	New Glasgow
New Brunswick:	
Courtenay Iron and Brass Foundry	169 Rothesay Ave., Saint John
Dunbar Engine and Foundry Co.	Box 63, Woodstock
McLennan Engineering Works Ltd.	Campbellton
Moncton Foundry & Machine Co. Limited	Beaverbrook St., Moncton
Quebec:	
Adanac Foundry Industries Ltd.	Grand'Mère
Antoine Roman	374 St-Jacques, St-Jean
Binette & Frère	Laurierville
Poisclair, 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., Côte St. Paul, Montreal
Fonderie Laroche Enrg.	St-Jerome
Fonderie Napierville Enrg.	Napierville
Fonderie Rivière Bleue Enrg.	Rivière Bleue, Temiscouata
Fonderie Savoie	Ste-Marie de Beauce
General Foundry Co.	Windsor Mills
Hudon & Frère Enrg.	331 St. Louis St., La Tuque
La Compagnie de Chauffage Automatique Supérieur Limitée	5800, rue Iberville, Montreal
La Compagnie Dussault et Lamoureux	18, ave de L'Hotel Dieu, St-Hyacinthe
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 Enrg.	374 St. Jacques St., St. Johns
La Fonderie Ste. Croix Ltée	Ste-Croix
La Fonderie De Lawzon Enrg.	107, rue Commerciale, Lévis
La Fonderie de Robertsonville Ltée	Robertsonville
La Fonderie de Thetford Ltée	219 Notre Dame St., Thetford Mines
La Fonderie Despres	Montmagny Station
La Fonderie Magog, Ltd.	Magog
La Fonderie Ouellet Enrg.	St-Léonard D'Aston
La Fonderie Paquette Enrg.	30 St. Ignace St., Laprairie
La Fonderie St. Maurice Enrg.	Cap-de-la-Madeleine
La Fonderie St. Romuald, Enrg.	58, rue Saxe, St-Romuald
La Fonderie de Sully	Sully
Laroche & Frères, Ltée	Pont Rouge
Lavoie, Euchariste, Fils Enrg.	Baie St-Paul
Lefebvre, Jean Charles, (Fonderie St-Placide)	St-Placide
Légaré Foundry Limited	172 Short St., Sherbrooke
Les Industries Roy Ltée	Montmagny Station
Mace Foundry Co.	1450 Gladstone Ave., Montreal
Marquette Foundry	8000-14th Ave., Ville St. Michel
Maury, A., & Fils	7544A St. Hubert St., Montreal
Metro Engineering Co.	102 Elmstie St., Ville La Salle
Montreal Foundry Limited	1260 Conde St., Montreal
Monsarrat Machinery and Foundries Ltd.	Rivière-du-Loup
Paul Bros. Foundry, Limited	23, rue Poupart, Laprairie
Peacock Bros. Limited	260 St. Patrick St., Ville La Salle
Pont Viau Foundry Ltd.	60 St. Hubert St., Pont Viau
Rigaud Foundry	2 St-Anselme., Rigaud
St. Jerome Industries Ltd.	St. Jerome
Shawinigan Foundries, Limited	Shawinigan Falls
Steel Company of Canada, Limited	4110 St. Ambroise St., Montreal
Terrebonne Foundry Inc.	40 St. Joseph St., Terrebonne
Trottier Incorporée	Ste-Anne-de-la-Pérade
Union Foundry Limited	431 St. Luke St., Granby
Viau, M.L., et Fils, Ltée	St. Joseph St., St. Jerome
Vulcan Foundry Inc.	14, rue Napoleon, Victoriaville
Wabi Iron Works (Quebec) Ltd.	Noranda
Walford, H., Limited	2320 Aird Ave., Montreal

Directory of Firms Included in the Iron Castings Industry, 1954 - Continued

Name of firm	Location of plant
Ontario:	
Alloy Foundry Co. Ltd.	Merrickville
Anthes - Imperial Co. Ltd.	Berryman Ave., St. Catharines
Armstrong Foundry & Machine Shop	Orangeville
Auto Specialties Mfg. Co. (Canada) Ltd.	614 Tecumseh Rd. E., Windsor
Barco Mfg. Co. of Canada, Ltd.	315 Devonshire Rd., Walkerville
Barratt and Milks	Oak St., Gananoque
Bartlett Foundry	212 Norfolk St., Stratford
Barton Tubes Limited	Burlington
Bell City Foundry	411 West St., Brantford
Benn Iron Foundry	314 Wallace St., Wallaceburg
Bibby Foundry Ltd.	Beverley St., Galt
Bock, A.F., Foundry Co.	70 Water St. N., Galt
Bowmanville Foundry Company Limited	Scugog St., Bowmanville
Canada Iron Foundries Limited	Stuart St. W., Hamilton; Burlington St. & Kenilworth Ave., Hamilton
Canada Valve & Hydrant Co., Limited	44 Holme St., Brantford
Canadian General Electric Co. Ltd.	940 Lansdowne Ave., Toronto
Central Foundry	Hespeler
Cobalt Foundry Limited	Ferland Ave., Cobalt
Cornwall Brass & Iron Foundry	422 Sixth Ave. E., Cornwall
Crawford Machine & Foundry	100 Wilson St., Woodstock
Crowe Foundry Limited	Sheffield St., Hespeler
Cunningham & Son Limited, J. F.	Berryman Ave., St. Catharines
Dairy - Brewery Equipment & Engineering	37 Hanna Ave., Toronto
Dart Union Co. of Canada Ltd.	11 Charlotte St., Toronto
Davidson Foundry	16 Hamilton Ave., Ottawa
Domestic Foundry	1595 Crawford Ave., Windsor
Du - Vis Products	94 Briscoe St., London
Eureka Foundry & Manufacturing Co. Limited	Tecumseh St., Woodstock
Fairbank Foundry	52 Clarkson Ave., Toronto
Fergusson, J.R., Company	Dundas
Fittings Limited	135 Bruce St., Oshawa
Foley Foundry & Machine Co. Limited	368 Front St., Belleville
Forest Foundry	Washington St., Forest
Galt Malleable Iron Co. Limited	60 Kerr St., Galt
General Casting Company	315 Grey St., Brantford
Gies, Philip, Foundry Ltd.	36 Water St. S., Kitchener
Green, G. Walter, Co. Limited	406 McDonnell St., Peterborough
Griffin Foundry Limited	22 Huskisson St., Guelph
Grinnell Company of Canada, Limited	2440 Dundas St. W., Toronto
Guelph Engineering Co. Limited	490 York Rd., Guelph
Hamilton Foundry Co. Ltd.	33 Clinton St., Hamilton
Hastings & Sons Foundry & Machine shop	10 Pine St., Stratford
Holmes Foundry Company limited	Exmouth St., Sarnia
Imbleau, H., & Son	11 Bridge St., Renfrew
International Malleable Iron Co. Ltd.	200 Beverley St., Guelph
James Bros. Hardware Ltd.	Foster St., Perth
Keleher Foundry	Victoria Road, Guelph
Kent Foundry Ltd.	Richmond St., Chatham
Ladish Co. of Canada Ltd.	Brantford
Lawson, Thos., and Sons, Ltd.	376 Wellington St., Ottawa
Lincoln Foundry Co.	65 St. Paul Crescent, St. Catharines
Link - Belt Limited	Box 173, Station H, Toronto 13.
London Concrete Machinery Co.	247 Colborne St. W., Brantford
McCoy Foundry Co.	67 Bay St. N., Hamilton
McCrae, J., Machine & Foundry Co. Ltd.	81 William St. N., Lindsay
McIntyre & Taylor, Limited	505 Queen St. W., Toronto
McLean Underfeed Stoker Co. Limited	West Hill, Toronto
Marshall, A., Foundry	296 Parent Ave., Windsor
Massey-Harris Company Limited	Canal St., Brantford
Morash Foundry Ltd.	Morrisburg
Muskoka Foundry Limited	Shier St., Bracebridge
National Iron Corporation Limited	324 Cherry St., Toronto
Niagara Foundry Company	747 Buttery Ave., Niagara Falls
Ontario Malleable Iron Co. Ltd.	2440 Dundas St. W., Toronto
Owen Sound Industries	Bay Shore Rd., Owen Sound
Page-Hersey Tubes, Ltd.	Welland
Payette, P., Co. Limited	Nelson St., Penetanguishene
Shantz, P.E., Foundry	Fountain St., Preston
Shell-Cast Alloys Limited	132 Victoria Rd., Guelph
Slatcher Engineering Co. Ltd.	644 Rogers Road, Toronto
Smiths Falls Malleable Casting Limited	22 Bay St., Smiths Falls
Soil Pipe & Fittings Limited	Mimico
Sonco Steel Products Ltd.	726 Yonge St., Toronto



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Directory of Firms Included in the Iron Castings Industry, 1954 - Concluded

Name of firm	Location of plant
Ontario - concluded:	
Standard Foundry and Supply Co. Ltd.	340 Walker Road, Windsor
Standard Tube Company Limited	Drew & Given Sts., Woodstock
Sudbury Construction & Machinery Co. Ltd.	149 Lorne St., Sudbury
Taylor Forge & Pipe Works of Canada Ltd.	777 Beach Rd., Hamilton
Tomlinson, T., Foundry Co. Limited	352 Front St. E., Toronto
Toronto Foundry Co. Limited	1884 Davenport Road, Toronto
Triangle Valve Co. Canada Ltd.	Perth
Tube Turns of Canada Ltd.	33 Colborne St., Chatham
Tubular Products Ltd.	97 Manville Rd., Toronto
Tweed Engineering & Foundry Ltd.	Tweed
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	303 Water St. W., Cornwall
Welland Iron and Brass Ltd.	130 Niagara St., Welland
Wells Foundry Limited	1250 Florence St., London
Whittaker Fireplaces	859 Wyandotte St. W., Windsor
Woodside Bros.	173 Manitou St., Port Arthur
Wotherspoon, J.A., & Son Ltd.	Cross Ave., Oakville
Manitoba:	
Anthes-Imperial Co. Limited	Saskatchewan Ave., Winnipeg
Bell Foundry Co.	Sargent Ave. & Perry St., St. James
Dominion Foundry Co.	Union & Watt St., Winnipeg
Peterson Iron Works	132 Aberdeen Ave., Winnipeg
Thor Foundry	796 Archibald St., St. Boniface
Saskatchewan:	
Acme Iron Works Ltd.	182 Wall St., Saskatoon
Blanchard Foundry & Machine Co. Ltd.	104 - 22nd Street W., Saskatoon
East, John, Iron Works Ltd.	121 Avenue C North, Saskatoon
Melfort Iron Works	Melfort
Moose Jaw Foundry	High St. & 6th Ave., Moose Jaw
Prince Albert Foundry Company	17th and Central Sts., Prince Albert
Alberta:	
Alberta Bend Ltd.	12214-66th St., Edmonton
Alberta Foundry & Machine Co. Ltd.	P.O. Box 669, Medicine Hat
Calgary Iron Works Ltd.	410 - 9th Avenue E., Calgary
Crane Limited	P.O. Box 58, Calgary
Deco Manufacturing & Sales Co.	7223 - 104th St., Edmonton
Great North Foundry Ltd., The	9520 - 125th Ave., Edmonton
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
St. Paul Foundry Ltd.	St. Paul
Vermilion Foundry	Vermilion
British Columbia:	
Acme Iron Works	1210 Glen Drive, Vancouver
Associated Foundry Ltd.	4080 Nanaimo St., Vancouver
Canadian Valve Engineering Co.	168 West 4th Ave., Vancouver
Cranbrook Foundry Works Company Limited	26 Cranbrook St., Cranbrook
Dobney Foundry Co. Ltd.	312 - 13th St., New Westminster
McLean and Powell Iron Works	398 W. 2nd Avenue, Vancouver
Mainland Foundry Company Ltd.	1707 Pandora St., Vancouver
Milbourne Foundry	852 River Rd., Lulu Island, Vancouver
Nairn Brothers Foundry Co. Ltd.	1616 Powell St., Vancouver
New Westminster Foundry Co. Ltd.	Braid St., New Westminster
Nye Foundry	503 Powell Street, Vancouver
Peach City Foundry	176 Estabrook St., Penticton
Ramsay & Adams Foundry Co. Ltd.	1630 Store St., Victoria
Reliance Foundry Company Limited	149 - 4th Avenue W., Vancouver
Ross and Howard Iron Works Co. Ltd.	Pt. Woodland Drive, Vancouver
S.P. & F. Foundry	3780 Napier St., North Burnaby
Terminal City Iron Works, Ltd.	1909 Franklin St., Vancouver
Union Bay Foundry	Union Bay
Victoria Foundries Ltd.	621 Princess Ave., Victoria