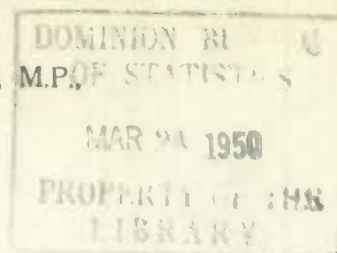


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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**

+ + + *Industry and Merchandising Division* + + +

**MINING, METALLURGICAL & CHEMICAL SECTION**

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**THE**  
**BRASS AND COPPER PRODUCTS**  
**INDUSTRY**  
**IN**  
**CANADA**  
**1947**



**OTTAWA**  
**1949**

Price 25 cents

41-202

23

CHARTER

DEPARTMENT OF THE ARMY

HEADQUARTERS, WASHINGTON

OFFICE OF THE ADJUTANT GENERAL

WASHINGTON, D. C.

1917

THE

ADJUTANT GENERAL'S OFFICE

WASHINGTON

IN

DEPARTMENT

OF THE ARMY

WASHINGTON

1917

1917

Dominion Statistician:  
 Director - Industry and Merchandising Division:  
 Chief - Mining, Metallurgical and Chemical Section:

Herbert Marshall  
 W. H. Losee  
 H. McLeod

## Annual Industry Report

## Manufactures of the Non-ferrous Metals

THE BRASS AND COPPER PRODUCTS INDUSTRY, 1947

This report covers the operations of brass foundries and other plants in Canada engaged chiefly in the manufacture of commodities (other than electrical equipment) from brass, bronze or copper. One hundred and fifteen foundries and 46 fabricating plants reported under this industry in 1947, and their production was valued at \$96,549,840. In 1946 the corresponding output value amounted to \$72,056,922, and in 1945 to \$105,150,750.

Products manufactured during 1947 by firms in this group included ingots, bars, rods, plates, sheets, tubing, and such further fabricated lines as wire cloth, valves, kettles and tanks, plumbing supplies, gas and water meters, fire extinguishers, lightning rods, metal fasteners, automobile hardware, etc. Copper wire and cable, lighting fixtures, switches and other such articles for electrical purposes have not been listed in this group but have been classified to the Electrical Apparatus and Supplies Industry which is dealt with in a separate report.

Brass foundry departments which were run by iron foundries or by manufacturers of machinery, farm implements, etc., as a secondary or minor part of their operations, are not included in this group as, in such instances, separate reports were not required for the brass foundry divisions and all data concerning same were included in the industries of major importance. It is believed that there are in Canada about 300 brass foundries in all.

A total of 161 plants was included in this group during 1947, of which 94 were located in Ontario, 39 in Quebec, 17 in British Columbia, 7 in Manitoba, 1 in New Brunswick and 3 in Alberta. Ontario factories accounted for 65 per cent of the total production and Quebec plants for 30 per cent.

The average number of employees in 1947 was 10,417 compared with 10,252 in 1946, and salaries and wages aggregated \$21,227,616 as against \$18,425,724 for the previous year.

Table 1 - PRINCIPAL STATISTICS, 1944-1947

	Number of plants	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross sell- ing value of products at works
			\$	\$	\$	\$
<u>1944</u>						
Foundries making taps, valves, etc.	13	3,664	6,126,030	269,502	4,600,787	15,090,476
Other brass and bronze foundries..	93	8,625	16,598,819	1,830,234	41,042,275	80,354,063
Fabricating plants (not foundries)	56	5,364	10,472,789	634,651	26,817,134	54,406,815
TOTAL .....	162	17,633	33,490,354	2,734,387	72,460,196	149,851,354
<u>1945</u>						
Foundries making taps, valves, etc.	14	3,394	5,859,274	271,278	4,203,289	13,562,602
Other brass and bronze foundries..	94	6,422	13,246,341	1,406,050	29,766,914	55,326,436
Fabricating plants (not foundries)	53	3,451	6,575,334	414,052	19,685,492	36,261,712
TOTAL .....	161	13,267	25,680,949	2,091,380	53,655,695	105,150,750
<u>1946</u>						
Foundries making taps, valves, etc.	14	3,292	5,726,737	309,310	3,214,621	11,613,538
Other brass and bronze foundries..	93	3,965	7,607,599	642,917	12,245,729	23,949,289
Fabricating plants (not foundries)	55	2,995	5,091,388	246,453	24,523,580	36,494,095
TOTAL .....	162	10,252	18,425,724	1,198,680	39,983,930	72,056,922
<u>1947</u>						
Foundries making taps, valves, etc.	16	3,288	6,282,666	306,053	4,190,617	15,224,752
Other brass and bronze foundries..	99	5,054	10,844,483	1,045,478	27,370,097	45,134,890
Fabricating plants (not foundries)	46	2,075	4,100,467	215,474	28,826,992	36,190,198
TOTAL .....	161	10,417	21,227,616	1,567,005	60,387,706	96,549,840

For FOOTNOTE see Page 2.

This report was prepared by J. J. Parchelo, Statistician, Metal and Chemical Products.



Note: In Table 1, data for foundries are only for the foundries which were occupied chiefly in making valves, plumbers' goods, castings, etc., as their regular line of goods for sale. Brass foundry departments which were run by iron foundries or by manufacturers of machinery, etc., as a secondary or minor part of their operations are not included as, in such cases, separate reports are not required for the brass foundry divisions. Ingot makers are included with foundries as also are the concerns which make brass and roll same into rods, sheets, cartridge discs, etc.

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1946 and 1947

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 \$
<b>1946</b>						
Quebec .....	39	3,111	5,350,872	396,386	12,629,530	21,589,982
Ontario .....	97	6,200	11,517,985	688,045	25,816,184	46,536,290
British Columbia	16	260	499,380	22,806	307,471	1,003,899
Manitoba .....	6	175	308,981	31,532	713,782	1,416,951
New Brunswick ..	1)	506	748,496	59,911	516,963	1,510,000
Alberta .....	3)					
CANADA ....	162	10,252	18,425,724	1,198,680	39,983,930	72,056,922
<b>1947</b>						
Quebec .....	39	3,235	6,258,089	568,810	19,652,234	29,137,399
Ontario .....	94	6,302	13,298,763	884,105	38,413,526	62,416,117
British Columbia	17	260	568,690	26,496	388,666	1,266,682
Manitoba .....	7	175	336,149	35,230	1,126,196	1,919,458
New Brunswick ..	1)	445	765,925	52,364	807,084	1,810,184
Alberta .....	3)					
CANADA ....	161	10,417	21,227,616	1,567,005	60,387,706	96,549,840

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1946 and 1947

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
1946								
Quebec .....	353	164	2,278	316	3,111	1,301,653	4,049,219	5,350,872
Ontario .....	678	396	4,187	939	6,200	2,864,607	8,653,378	11,517,985
British Columbia	43	9	204	4	260	118,839	380,541	499,380
Other provinces.	86	27	482	86	681	287,801	769,686	1,057,487
CANADA ....	1,160	596	7,151	1,345	10,252	4,572,900	13,852,824	18,425,724
1947								
Quebec .....	380	155	2,505	195	3,235	1,480,742	4,777,347	6,258,089
Ontario .....	674	359	4,529	740	6,302	2,952,673	10,346,090	13,298,763
British Columbia	47	8	201	4	260	153,796	414,894	568,690
Other provinces.	86	28	450	56	620	302,176	799,898	1,102,074
CANADA ....	1,187	550	7,685	995	10,417	4,889,387	16,338,229	21,227,616

Table 4 - WAGE-EARNERS, BY MONTHS, 1946 and 1947 (On the last work day of each month)

Month	1946			1947		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	7,559	1,376	8,935	7,573	1,044	8,617
February .....	7,632	1,428	9,060	7,710	1,065	8,775
March .....	7,672	1,343	9,015	7,781	1,078	8,859
April .....	7,633	1,374	9,007	7,745	1,046	8,791
May .....	7,169	1,338	8,557	7,626	996	8,622
June .....	6,503	1,324	7,827	7,662	999	8,661
July .....	6,505	1,280	7,785	7,422	954	8,376
August .....	6,546	1,268	7,814	7,582	964	8,546
September .....	6,532	1,271	7,803	7,592	920	8,512
October .....	6,816	1,301	8,117	7,640	943	8,583
November .....	7,591	1,398	8,989	7,858	975	8,833
December .....	7,639	1,375	9,014	7,873	968	8,841
AVERAGE .....	7,151	1,345	8,496	7,685	995	8,680

Table 5 - FUEL AND ELECTRICITY USED, 1946 and 1947

Kind	Unit of measure	1946		1947	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal--Canadian ...	ton	4,526	39,876	10,441	105,282
Imported ...	ton	19,820	173,420	21,106	200,990
Anthracite coal .....	ton	2,739	23,403	1,716	17,302
Lignite coal .....	ton	122	1,422	248	1,650
Coke .....	ton	1,824	27,755	1,226	19,841
Gasoline .....	Imp.gal.	98,329	30,310	127,667	42,115
Kerosene .....	Imp.gal.	19,721	2,969	38,868	7,521
Fuel oil .....	Imp.gal.	3,522,867	312,320	3,877,688	425,622
Wood .....	cord	602	3,671	200	2,253
Gas--Manufactured .....	M cu.ft.	52,944	40,966	58,118	49,638
Natural .....	M cu.ft.	51,111	31,708	55,790	25,056
Other fuel .....	...	...	41,135	...	76,453
Electricity purchased .....	K.W.H.	48,875,473	469,725	64,682,485	593,282
TOTAL .....	...	...	1,198,680	...	1,567,005

Table 6 - POWER EQUIPMENT, 1946 and 1947

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1946				
Steam engines and turbines .....	4	335	2	550
Gasoline, gas and oil engines .....	2	82	...	...
Hydraulic turbines or water wheels ...	1	25	...	...
Electric motors run by purchased power	4,975	31,951	293	3,376
TOTAL .....	4,982	32,393	295	3,926
Stationary boilers .....	39	2,970	3	390
Motor-generator sets .....	39	5,493 k.v.a.	1	475 k.v.a.
1947				
Steam engines and turbines .....	4	490	...	...
Gasoline, gas and oil engines .....	2	1	1	75
Hydraulic turbines or water wheels ...	...	...	...	...
Electric motors run by purchased power	6,237	44,352	507	5,162
TOTAL .....	6,243	44,843	508	5,237
Stationary power boilers .....	19	3,085	1	300
Motor-generator sets .....	54	6,551 k.v.a.	2	480 k.v.a.

Table 7 - MATERIALS USED IN MANUFACTURING, 1946 and 1947

Material	Unit of measure	1946		1947	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Aluminum--Ingots .....	lb.	2,570,470	363,888	1,862,797	306,955
Scrap .....	lb.	2,311,514	220,525	2,898,289	292,383
Other forms .....	lb.	1,150,910	327,365	1,134,066	329,405
Antimony .....	lb.	41,500	6,434	21,945	6,967
Brass--Ingots .....	lb.	10,402,354	1,351,107	11,260,548	1,980,533
Scrap .....	lb.	18,133,828	1,436,765	29,462,032	4,085,473
Bars and rods .....	lb.	3,686,471	559,615	3,075,951	673,003
Discs for cartridge cases .....	...	...	5,795,419	...	14,348
Plates, sheets and strip .....	lb.	2,108,432	499,259	1,821,258	514,247
Pipe and tubing .....	lb.	488,848	142,596	823,961	235,713
Wire .....	lb.	1,165,506	305,473	1,096,902	358,800
Castings .....	lb.	551,544	189,301	646,448	252,098
Other forms .....	lb.	582,512	171,650	220,595	61,371



Table 7 - MATERIALS USED IN MANUFACTURING, 1946 and 1947 (Concluded)

Material	Unit of measure	1946		1947	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bronze--Ingots--Aluminum bronze .....	lb.	186,644	27,041	861,687	148,659
Manganese bronze .....	lb.	242,711	34,313	260,156	48,695
Phosphor bronze .....	lb.	320,842	48,536	208,197	41,468
Silicon bronze .....	lb.	176,803	31,658	62,884	13,981
All other bronze ingots .....	lb.	10,921,238	1,491,185	8,864,425	1,475,817
Scrap .....	lb.	23,284,332	2,133,450	20,620,613	3,381,166
Bars and rods .....	lb.	49,874	11,696	100,136	27,506
Plates, sheets and strip .....	lb.	304,380	67,624	328,204	60,588
Wire .....	lb.	1,104,614	578,924	1,212,047	703,231
Castings .....	lb.	38,530	14,570	73,536	32,628
Other forms .....	lb.	15,069	4,850	49,985	10,938
Copper--Ingots, slabs, wire bars, etc. ....	lb.	149,456,048	17,430,464	185,857,511	35,835,637
Scrap .....	lb.	6,943,241	736,609	7,898,448	1,233,994
Rods .....	lb.	19,449	4,854	15,998	5,672
Pipe and tubing .....	lb.	315,221	85,825	393,752	136,635
Plates, sheets and strip .....	lb.	887,353	242,717	865,540	242,404
Wire .....	lb.	794,625	187,464	619,798	174,640
Other forms .....	lb.	61,777	22,284	127,759	32,384
Lead--Pig .....	lb.	1,272,109	66,248	992,106	119,661
Scrap .....	lb.	821,115	37,992	788,864	73,925
Other forms .....	lb.	15,761	20,935	63,333	22,744
Magnesium .....	lb.	17,266	5,651	13,287	8,512
Manganese metal .....	lb.	5,428	1,320	38,571	7,569
Monel metal .....	lb.	201,634	71,865	130,752	72,405
Nickel .....	lb.	251,196	61,011	452,386	141,750
Nickel-copper shot .....	lb.	46,287	11,889	50,830	14,227
Nickel-silver, all forms .....	lb.	973,857	127,671	1,265,576	194,791
Silicon metal .....	lb.	17,148	3,108	8,235	1,421
Silver, fine .....	fine oz.	1,090	1,035	170	140
Tin--Ingots--Phosphor tin .....	lb.	109,115	89,047	183,576	156,779
Other tin ingots .....	lb.	416,842	303,142	240,284	208,559
Scrap .....	lb.	111,502	19,517	64,899	29,789
Other forms .....	...	...	40,832	...	37,341
Zinc--Ingots and slabs .....	lb.	6,476,321	372,426	11,133,524	1,134,774
Scrap .....	lb.	582,505	20,547	413,021	32,363
Sheets .....	lb.	492,159	75,895	390,587	79,835
Other forms .....	lb.	137,464	22,153	...	62,366
Other non-ferrous metals .....	lb.	1,584,075	267,235	3,076,060	456,911
Iron and steel--Pig iron .....	ton	3,851	114,133	3,097	113,989
Iron castings .....	ton	1,082	150,349	749	147,250
Steel castings .....	ton	105	47,144	120	83,036
Steel bars and rods ..	ton	386	80,337	1,478	106,415
Steel wire .....	ton	843	169,472	665	149,663
Steel sheets .....	ton	468	68,267	989	143,169
Iron and steel scrap ..	ton	2,374	47,430	1,708	38,893
Other iron and steel ..	ton	292	133,463	...	179,619
Lumber .....	M bd.ft.	803	56,110	1,030	69,101
Crucibles .....	...	...	43,651	...	60,981
Foundry coke .....	ton	4,636	65,644	3,137	55,306
Foundry facings .....	lb.	129,624	5,747	150,619	6,317
Foundry sands .....	ton	7,983	50,008	9,144	60,050
Graphite .....	lb.	47,470	7,011	51,795	10,312
Refractories .....	...	...	15,448	...	24,190
Other materials .....	...	...	2,493,128	...	3,100,987
Containers and packing materials .....	...	...	293,608	...	465,227
TOTAL ALL MATERIALS .....	...	...	39,983,930	...	60,387,706

Table 8 - PRODUCTS MADE, 1946 and 1947

Note: The data in this table are for the Brass and Copper Products Industry only and do not necessarily represent the total Canadian output of the items that are listed. Concerns in other industries may have made such articles as secondary products.

	Unit of measure	1946		1947	
		Quantity	Gross selling value at works \$	Quantity	Gross selling value at works \$
Aluminum—Castings .....	lb.	1,864,613	1,057,354	1,693,099	1,051,271
Other forms .....	...	...	463,019	...	482,962
Brass and bronze -					
Ingots .....	ton	9,280	2,326,445	7,341	2,743,692
Castings .....	ton	17,089	7,162,176	13,977	8,167,752
Scrap .....	ton	515	75,043	346	80,402
Cartridge cases .....	...	...	6,898,164	...	50,000
Other forms (a) .....	ton	12,872	5,221,916	22,684	12,082,073
Copper sheets, wire rods, tubing, etc.	ton	68,635	19,101,205	82,002	36,814,284
Fire extinguishers, hand type .....	...	...	629,410	...	670,819
Hardware .....	...	...	372,239	...	466,218
Lighting fixtures .....	...	...	269,074	...	439,877
Lightning rods and supplies .....	...	...	278,721	...	319,147
Metal fasteners, all kinds .....	...	...	2,095,047	...	658,598
Meters, gas and water .....	No.	77,197	986,786	Not published separately	
Plumbers' brass fittings (b) -					
Tub fillers, showers, and combinations of same .....	...	...	431,034	...	908,533
Traps, drains, supplies and other tubular fittings .....	...	...	553,978	...	929,954
Stops and stop and drains .....	...	...	647,255	...	475,660
Sink faucets and sink combinations.	...	...	821,466	...	780,663
Lavatory and bath faucets, lavatory combinations .....	...	...	586,497	...	700,058
Closet tank fittings .....	...	...	161,810	...	131,308
Any other brass plumbing fittings..	...	...	1,561,660	...	2,919,388
Cast iron plumbing fixtures .....	...	...	103,404	...	179,375
Valves—Iron and steel body .....	...	...	1,597,243	...	1,604,353
Brass and bronze, including radiator valves and traps..	...	...	2,582,775	...	3,434,590
Ships' fittings .....	...	...	263,261	...	159,504
Steam boiler trimmings, including gauge cocks and water gauge mountings .....	...	...	113,357	...	125,937
Wire cloth of brass, bronze or monel.	sq.ft.	4,173,990	2,957,297	4,336,386	3,299,610
All other products, including items made by only 1 or 2 concerns (c) ..	...	...	12,739,286	...	16,873,812
TOTAL ALL PRODUCTS .....	...	...	72,056,922	...	96,549,840

(a) Includes bars, rods, sheets, strips, tubing, powder, etc.

(b) There was also a production of plumbers' brass goods in the Iron and Steel Industries amounting to \$881,893 in 1945, \$1,294,287 in 1946, and \$2,111,029 in 1947.

(c) Includes tire valves, railway car fittings, pins, kettles, cosmetic containers, gauges, brewery distillation equipment, etc.

DIRECTORY OF FIRMS INCLUDED IN THE BRASS AND COPPER PRODUCTS INDUSTRY IN CANADA, 1947

Note: This Directory carries only the names of the concerns which the Bureau has classified to the Brass and Copper Products Industry. This industry includes all works which were engaged chiefly in making brass and bronze or articles (other than wire or electrical equipment) from brass, bronze and copper. Manufacturers of copper wire and cable and of electrical equipment have been classified to the Electrical Apparatus Industry, which is covered in a separate bulletin. A complete list of brass foundries may be obtained by writing direct to the Dominion Bureau of Statistics, Ottawa, Canada.

Name of Firm	Location of Plant
--------------	-------------------

(a) Foundries Engaged Chiefly in Making Brass Valves,  
Taps, Plumbers' Supplies, etc.

New Brunswick -

McAvity & Sons, T., Ltd.	Rothsay Ave., Saint John
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Quebec -

Cuthbert, W. R., & Co.	55 Duke St., Montreal
Golden Gate Manufacturing Co. Ltd.	361 Youville St., Montreal
Jenkins Bros. Limited	617 St. Remi St., Montreal, and St. Joseph St., Lachine
Lauzon Brass and Aluminum Foundry	50 Carrier St., Lauzon
Robertson, James, Company Limited	946 William St., Montreal

Ontario -

Canadian Brass Company, Limited	415 Dundas St., Galt
Empire Brass Manufacturing Company Limited	Dundas St. E., London
Galt Brass Company, Limited	471 Dundas St., Galt
Morrison, James, Brass Manufacturing Co. Ltd.	276 King St. W., Toronto
Mueller, Limited	Clifford St., Sarnia
Penberthy Injector Co. Limited	159 Windsor Ave., Windsor
Prescott Brass Manufacturing Co. Ltd.	Prescott
Wallaceburg Brass Ltd.	Wallaceburg
Wolverine Brass Company Limited	918 Palmerston Ave., Toronto

(b) Firms Engaged Chiefly in Operating Brass and Bronze Foundries  
(Other Than for Valves, Taps, etc.)

Quebec -

Archambault Foundry Reg'd.	8016 Henri Julien St., Montreal
Bougie, Roland	220 Ellice, Valleyfield
Bouliane Brass Foundry	2020 Labreque St., Montreal
Canadian Bronze Powder Works Limited	Valleyfield
Noranda Copper and Brass Limited	Sherbrooke and Durocher Sts., Montreal East
Dominion Brass & Aluminum Foundry Co.	24 Mont Vernon Ave., Ville St. Pierre
Clark, C. O., & Bros. Ltd.	680 Dollard St., Ville La Salle, Montreal
Eastern Brass Foundry, Limited	514 Harbour St., Montreal
Empire Brass Foundry Limited	137 Nazareth St., Montreal
Hazel, James & Son	130 Mgr. Gauvreau St., Quebec
Industrial Pattern & Foundry Works, Reg'd.	1427 Maisonneuve St., Montreal
Miller's Brass Foundry, Reg'd.	791 Hertel St., Three Rivers
Mitchell, Robert, Co. Limited, The	750 Belair Ave., Montreal and 64 Monkland Blvd., St. Laurent
	999 Delorimier Ave., Montreal
	10 Mont Vernon St., Ville St. Pierre
	7980 Dryden Ave., Ville St. Michel
	915 St. Martin St., Montreal
	73 Dubois, Ste. Therese
	72 Main St., Lennoxville
	2005 Dorchester St. E., Montreal
	5244A Casgrain St., Montreal
Montreal Bronze Limited	
National Foundry Reg'd.	
Regent Brass Foundry	
Reliance Foundry	
Sicotte, Paul	
Union Screen Plate Company of Canada, Limited	
Vandervoerde Foundry	
Victory Brass & Aluminum Foundry	



DIRECTORY OF FIRMS INCLUDED IN THE BRASS AND COPPER PRODUCTS INDUSTRY IN CANADA, 1947  
(Continued)

Name of Firm	Location of Plant
(b) <u>Firms Engaged Chiefly in Operating Brass and Bronze Foundries</u> (Continued)	
<u>Ontario -</u>	
Acme Brass Company	Horner Ave., Etobicoke
Anaconda American Brass Limited	8th Street, New Toronto
Atkins & Hoyle Limited	69 Portland St., Toronto
Beare Brass Foundry	57 Grey St., Brantford
Bowman Bronze Company	26 Railway St., Hamilton
Canadian General Electric Company Limited	Lansdowne Ave., Toronto
Central Brass Foundry	48 Abell St., Toronto
Chadwick Carrol Brass & Fixtures Ltd.	365 Wilson St., Hamilton
Coulter Copper & Brass Company, Limited	115 Sumach St., Toronto
Dean Brothers	132 Simcoe St., Toronto
Dominion Gas Meter Company, Limited, The	328 Wortley Road, London
Elmira Aluminum Specialties	Elmira
Etobicoke Ornamental Foundry Co. Ltd.	1040 Queensway, Etobicoke
Ferguson, Robt. J., & Sons	64 Booth St., Ottawa
Fisher and Son	366 Wilson St., Hamilton
Guelph Brass & Aluminum	17 Division St., Guelph
Hahn Brass Co. Ltd.	Waterloo St., New Hamburg
Industrial Fine Castings Ltd.	260 Geary Ave., Toronto
Kilby, Wm., & Son	360 East St., Orillia
Kitchener Brass & Aluminum Foundry	388 Wendell Ave., Kitchener
Lawrence, T. C., & Sons	17 Jarvis St., Galt
The Long Branch Foundry	28 Brown's Line, Toronto
May Foundry Co.	2018 Buchanan St., Niagara Falls
McKay Smelters, Limited	25 McKay St., Eastview
Merritton Bronze	Boyle Rd., Merritton
Morris Precision Castings	30 Bridgman St., Toronto
National Brass & Aluminum Foundry	117 St. Patrick St., Toronto
Neptune Meters, Limited	Long Branch
Niagara Bronze	747 Buttery St., Niagara Falls
Ottawa Car and Aircraft Limited	424 Slater St., Ottawa
Paramount Metals	123 Jackson St. E., Hamilton
Petrie Brass Company	163 Sterling Road, Toronto
Potts Pattern Works Ltd.	1979 Dundas St. W., Toronto
Precision Dies & Castings Limited	156 St. Helens Ave., Toronto
Quality Brass Foundry	29 Wabash St., Toronto
Queen City Brass Foundry	28 Dalhousie St., Toronto
Rahn Metals Limited	Regina St., North Bay
Robinson, J., & Son	2 Hinton Ave., Ottawa
St. Catharines Brass Works, Ltd.	62 George St., St. Catharines
St. Thomas Bronze Company, Limited	First Ave., St. Thomas
Shaw, L. H.	24 Mercer St., Toronto
Sheratt, W., & Son	6 Britain St., Toronto
Sloski, E.	71 Browns Ave., Toronto
Standard Brass & Aluminum Foundry	70 Kingsmill Ave., Guelph
Standard Brass Foundry	561 Catharine St. N., Hamilton
Stoermer Bell & Brass Foundry	Kitchener
Stratford Brass Company, Limited, The	342 Erie St., Stratford
Tallman, A. H., Bronze Company Limited	Cavell Ave., Hamilton
Wagman, Z., & Son Ltd.	190 Edwin Ave., Toronto
Wilson Brass & Aluminum Foundries	5 Hamilton St., Toronto
Wilson & Cousins, Limited	35 McCaul St., Toronto
Windsor Brass Works, Limited	408 Hanna St. E., Windsor
Windsor Match Plates Co.	911 Cadillac St., Windsor
Zenith Alloys Company	13 Dundas St., Brantford

DIRECTORY OF FIRMS INCLUDED IN THE BRASS AND COPPER PRODUCTS INDUSTRY IN CANADA, 1947  
(Continued)

Name of Firm	Location of Plant
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(b) Firms Engaged Chiefly in Operating Brass and Bronze Foundries  
(Concluded)

Manitoba -

Bay Bronze Co.	Pacific and Yoeman Sts., Winnipeg
Northwestern Brass, Limited	13 Bury St., Winnipeg
Wall Street Foundry	322 Osborne St., Winnipeg
Western Canada Bronze Company	595 Clifton St., Winnipeg
Winnipeg Brass Limited	600 Clifton St., Winnipeg

Alberta -

Northwestern Brass, Limited	1609 .. 24th Ave. E., Calgary
Paragon Bronze & Aluminum Products	511 .. 3rd Ave. W., Calgary

British Columbia -

A-1 Pattern Shop & Brass Foundry	36 West 3rd Ave., Vancouver
Cook & Son Foundry	548 West 6th Ave., Vancouver
Green, Wm., & Sons Brass Foundry	515 Pembroke St., Victoria
Hastings Brass Foundry Ltd.	236 Clark Drive, Vancouver
Iansco Foundries Limited	1865 West Georgia St., Vancouver
McDonnell Metal Manufacturing Company Limited	75 West 3rd Ave., Vancouver
McPhail, Wm., & Sons (Canada) Ltd.	251 East Second Ave., Vancouver
Northwestern Brass & Bronze Foundry	1869 West Georgia St., Vancouver
Ornamental Bronze Company, Ltd.	1125 Vernon Drive, Vancouver
Pacific Bronze Co.	244 Woodland Drive, Vancouver
Paterson Brass Foundry	524 David St., Victoria
Smith Bros. Foundry, Limited	632 Pembroke St., Victoria
Summer Brass Foundry Ltd.	619 Bidwell St., Vancouver
Vancouver Metals Company Limited	2235 Triumph St., Vancouver
Westcoast Metal Products	1175 Glen Drive, Vancouver
Wilson's Brass Foundry	22 East Second Ave., Vancouver

(c) Firms Engaged Chiefly in Making Fabricated Articles (Not Foundries)

Quebec -

Booth-Coulter Coppersmithing Co. Ltd.	997 Wellington St., Montreal
Brass & Bronze Manufacturing Co.	1071 Panet St., Montreal
Canada Wire & Cable Co. Limited	Sherbrooke and Durocher Sts., Montreal East
Cassidy and Maillard, Limited	1575 Craig St. E., Montreal
Christie, George, Canada, Ltd.	2106 Bellefueille St., Three Rivers
Fayle Coppersmith Works Limited	910 Wellington St., Montreal
Frigo Ltee	1290 Jean Talon Est, Montreal
Guard-X Reg'd.	6579 St. Denis St., Montreal
Imperial Pin Co. Limited	2210 Parthenais St., Montreal
Johnson Wire Works, Ltd., The	4760 Dagenais St., Montreal
Whitehouse, A. E., and Sons Limited	970 St. George St., Montreal

Ontario -

Air-Coils Mfg. Co. Ltd.	Brock St., Oakville
Booth, W. E., Co. Ltd.	12 Mercer St., Toronto
Breen Wire Products Ltd.	64 Merton St., Toronto
Brockville Fire Extinguisher Co.	Brock St., Brockville
Brydon Brass Manufacturing Co. Limited	927 Dufferin St., Toronto
Canadian Meter Company, Limited	90 Caroline St. N., Hamilton
Canadian Terrazzo Metal Strip Co. Ltd.	330 Geary Ave., Toronto
Capital Wire Cloth & Manufacturing Co. Ltd., The	Hinton Ave., Ottawa
De Long Hook & Eye Co. of Canada, Limited	Water St., St. Mary's
Dodd & Struthers	1721 Moy Ave., Windsor

DIRECTORY OF FIRMS INCLUDED IN THE BRASS AND COPPER PRODUCTS INDUSTRY IN CANADA, 1947  
(Concluded)

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Name of Firm	Location of Plant
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(c) Firms Engaged Chiefly in Making Fabricated Articles (Not Foundries)  
(Concluded)

Ontario (Concluded) -

Dominion Brass Products Ltd. Dominion Lightning Rod Company Durham Pure Copper Lightning Rod Conductor Jeune Metal Products Limited Johnston Copper & Brass Limited Kincaid Metal Products Lauder Brass Company Limited Metal Textile Corporation of Canada, Ltd. Millman, W. H., & Sons Niagara Wire Weaving Company Limited Ottawa Brass Mfg. Co. Patterson & Heward Phillips, B., Company Limited Phillips Electrical Works Ltd. Pyrene Manufacturing Co. of Canada, Limited Riverdale Copper & Brass Works S & S Metal Spinning Company Toronto Coppersmithing Company Toronto Metal Spinning Limited United-Carr Fastener Company of Canada, Limited Universal Lightning Rod Company	65 Saulters St., Toronto 63 Main St., Dundas Queen St., Durham 9 Noble St., Toronto 9 New St., Toronto Prescott 186 Adelaide St. W., Toronto 126 Catherine St. N., Hamilton 107 Front St. E., Toronto Robinson St., Niagara Falls 542 Wellington St., Ottawa 319 King St. W., Toronto 32 Osborne Ave., Toronto Kingston Road, Brockville 91 East Don Roadway, Toronto 160 Duchess St., Toronto 3300 Dundas St. W., Toronto 26 Knox Ave., Toronto 32 Eastern Ave., Toronto Gage Ave. and Beach Road, Hamilton Hespeler
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Manitoba -

Canadian Electric & Brass Ltd.	574½ Minto St., Winnipeg
Wawanesa Mutual Insurance Co. (Commercial Department)	Wawanesa

Alberta -

Winter's Metal Spinning Works	Calgary
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British Columbia-

Ellett Copper & Brass Co. Ltd.	92 West 2nd Ave., Vancouver
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