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CANADA

THE BRASS AND COPPER PRODUCTS INDUSTRY

1955

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The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

Metal and Chemical Products Section

6512-615-125 Price 25 cents Vol. 2—Part XIV—C-1

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1957.

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** –Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

I – General Review of the Manufacturing Industries, $1.50
II – The Manufacturing Industries of Canada, (7 sections, as follows):
- Section A. Summary for Canada, 25¢
- Section B. Atlantic Provinces, 50¢
- Section C. Quebec, 25¢
- Section D. Ontario, 25¢
- Section E. Prairie Provinces, 40¢
- 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 XIV, Non-ferrous Metal 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 Aluminum Products Industry, 25¢
C – The Brass and Copper Products Industry, 25¢
D – The White Metal Alloys Industry, 25¢
E – The Jewellery and Silverware Industry, 25¢
F – The Smelting and Refining Industry, 25¢
G – The Miscellaneous Non-ferrous Metal Products Industry, 25¢

THE BRASS AND COPPER PRODUCTS INDUSTRY

1955

This report covers the operations of brass foundries and other plants in Canada engaged chiefly in the manufacture of commodities (other than electrical equipment and wire cloth) from brass, bronze or copper. One hundred and eleven foundries and 46 fabricating plants reported under this industry in 1955 and their factory shipments were valued at $216,500,000. In 1954 the output value amounted to $157,907,751 and in 1953 to $170,691,735.

Products manufactured during 1955 by firms in this group included ingots, bars, rods, plates, sheets, tubing and such further fabricated lines as valves, kettles and tanks, plumbing supplies, gas and water meters, fire extinguishers, lightning rods, metal fasteners, 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. Wire cloth is covered in the Wire and Wire Goods Industry.

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 the same were included in the industries of major importance.

A total of 157 plants were included in this group during 1955, of which 91 were located in Ontario, 38 in Quebec, 17 in British Columbia, 6 in Manitoba, 4 in Alberta and 1 in New Brunswick. Ontario factories accounted for 58 per cent of the total and Quebec plants for 37 per cent.

The number of employees in 1955 totalled 8,864 compared with 8,530 in 1954 and salaries and wages aggregated $32,274,041 as against $30,131,125 for the previous year.

Note. Figures for value added by manufacture, shown in Table 1, prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954 and 1955 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 for 1954 and 1955.

TABLE 1. Principal Statistics of the Brass and Copper Products Industry, Significant Years 1929-1955, and by Provinces, 1954 and 1955

Year and province	Establishments	Employees	Salaries and wages	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	102	6,232	7,800,591	619,946	21,118,038	14,377,597	36,115,581
1932	119	3,535	3,880,838	402,025	3,949,157	5,242,933	9,594,115
1937	125	5,094	6,310,384	625,961	21,498,095	12,329,104	34,453,160
1939	129	5,217	6,706,040	617,235	18,961,128	12,533,549	32,111,912
1943	158	21,899	40,731,201	3,254,224	108,330,435	81,403,059	192,987,718
1946	162	10,252	18,425,724	1,198,680	39,983,930	30,874,312	72,056,922
1949	162	9,389	22,943,888	1,662,442	73,045,193	40,700,161	115,407,796
1951	153	10,077	29,318,076	2,117,706	121,703,878	56,176,303	179,997,887
1952	153	9,711	31,034,274	2,170,803	120,999,967	61,501,181	184,671,951
1953	153	9,301	31,539,770	2,110,325	108,715,110	59,866,300	170,691,735
1954							
Quebec	39	2,917	10,128,611	814,018	39,910,640	20,000,065	60,710,067
Ontario	88	4,836	17,385,187	1,104,629	56,846,475	31,334,452	89,041,309
British Columbia	18	215	784,649	43,055	687,171	1,170,676	1,908,612
Manitoba	6	137	441,418	40,361	1,352,130	911,493	2,299,110
New Brunswick	1	425	1,391,260	83,999	1,089,841	2,762,933	3,948,653
Alberta	4						
Canada	**156**	**8,530**	**30,131,125**	**2,086,062**	**99,886,257**	**56,179,619**	**157,907,751**
1955							
Quebec	38	2,727	9,799,133	807,064	58,610,903	21,342,012	81,300,006
Ontario	91	5,301	19,801,401	1,203,649	87,350,242	38,443,888	126,223,042
British Columbia	17	173	631,155	40,336	919,462	882,611	1,830,670
Manitoba	6	142	480,846	43,239	1,841,669	982,053	2,858,275
New Brunswick	1	521	1,561,506	95,244	1,672,758	2,435,887	4,288,007
Alberta	4						
Canada	**157**	**8,864**	**32,274,041**	**2,189,532**	**150,395,034**	**64,086,451**	**216,500,000**

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.

TABLE 2. Principal Statistics, by Sub-Groups, 1954 and 1955

	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value of factory shipments
	No.	No.	$	$	$	$
1954						
Foundries making taps, valves, etc..	15	3,012	10,029,968	426,815	6,780,776	24,891,685
Other brass and bronze foundries	98	4,421	16,416,733	1,413,433	48,934,757	81,368,860
Fabricating plants (not foundries)	43	1,097	3,684,424	245,814	44,170,724	51,647,206
Total	**156**	**8,530**	**30,131,125**	**2,086,062**	**99,886,257**	**157,907,751**
1955						
Foundries making taps, valves, etc.	15	3,078	10,419,158	416,713	9,988,990	28,083,184
Other brass and bronze foundries	96	4,548	17,730,304	1,518,363	74,161,101	111,739,603
Fabricating plants (not foundries)	46	1,238	4,124,579	254,456	66,244,943	76,677,213
Total	**157**	**8,864**	**32,274,041**	**2,189,532**	**150,395,034**	**216,500,000**

Note. In Table 2 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. Bras 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 3. Inventories[1], 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	$	$	$	$
Opening:				
Quebec	2,898,769	3,210,795	2,506,666	8,616,230
Ontario	5,697,230	2,210,653	3,624,365	11,532,248
Manitoba	206,077	18,428	110,349	334,854
British Columbia	88,667	72,031	42,158	202,856
New Brunswick and Alberta	140,918	466,958	267,563	875,439
Canada	**9,031,661**	**5,978,865**	**6,551,101**	**21,561,627**
Closing:				
Quebec	3,396,282	4,016,007	1,966,639	9,378,928
Ontario	7,625,223	3,061,555	4,399,102	15,085,880
Manitoba	200,116	23,099	119,035	342,250
British Columbia	118,465	97,688	53,897	270,050
New Brunswick and Alberta	208,977	566,620	183,445	959,042
Canada	**11,549,063**	**7,764,969**	**6,722,118**	**26,036,150**

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 Brass and Copper Products Industry for the year under review are shown in the above table.
(c) The opening inventory for 1955 does not necessarily agree with the closing inventory for 1954, because of the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 4. Materials Used in the Brass and Copper Products Industry, 1954 and 1955

Material		1954		1955	
		Quantity	Cost at plant	Quantity	Cost at plant
			$		$
Aluminum:					
Ingots	lb.	1,762,990	465,913	1,600,437	396,574
Scrap	"	1,870,016	252,835	4,703,557	953,048
Other forms	"	1,195,390	516,497	2,079,138	689,564
Antimony	lb.	18,979	5,232	28,479	10,609
Brass and bronze:					
Ingots	lb.	21,180,527	5,366,322	23,047,734	7,643,163
Scrap	"	47,724,839	10,925,824	51,452,919	14,540,132
Bars and rods	"	2,873,264	964,279	3,712,551	1,449,950
Plates, sheets and strip	"	2,152,098	854,825	2,619,121	1,290,701
Pipe and tubing	"	944,589	463,869	1,153,270	622,316
Wire	"	135,218	81,224	378,885	243,659
Castings	"	1,462,493	704,599	2,785,495	1,276,848
Other forms	"	308,733	183,621	309,100	186,520
Copper:					
Ingots, slabs, wire bars, etc.	lb.	199,572,106	59,171,680	266,944,665	98,956,753
Scrap	"	22,764,216	5,708,522	12,536,605	4,303,454
Rods	"	21,296	10,631	42,987	26,327
Pipe and tubing	"	413,699	198,000	460,400	281,207
Plates, sheets and strip	"	1,738,437	759,855	1,206,133	677,791
Wire	"	584,379	243,111	506,757	247,968
Other forms	"	212,186	92,350	246,250	120,262
Lead:					
Pig	lb.	971,486	137,484	818,064	129,418
Scrap	"	2,047,977	260,102	604,015	81,816
Other forms	"	66,975	28,242	67,333	34,406
Magnesium, all forms	lb.	121,533	53,805	75,813	34,451
Manganese metal	"	195,341	58,903	51,814	17,656
Monel metal	"	85,523	68,414	127,086	77,002
Nickel	"	452,942	268,766	678,343	446,771
Nickel-copper shot	"	27,183	15,725	27,054	17,837
Nickel-silver, all forms	"	1,360,015	367,480	1,107,548	373,254
Tin:					
Ingots:					
Phosphor tin	lb.	173,139	165,413	160,928	158,611
Other tin ingots	"	187,972	170,853	163,064	157,167
Scrap	"	39,373	17,810	10,542	6,001
Other forms	"	57,791	33,464	59,572	40,936
Zinc:					
Ingots and slabs	lb.	12,085,197	1,426,074	17,485,080	2,315,802
Scrap	"	261,654	25,829	913,819	78,100
Sheets	"	1,016,535	229,853	1,135,274	266,635
Other forms	—	—	823	—	9,423
Other non-ferrous metals	—	—	690,150	—	960,635
Iron and steel:					
Pig iron	tons	4,353	236,928	3,793	239,029
Steel bars and rods	"	453	135,413	451	134,060
Steel wire	"	152	111,391	182	147,486
Steel sheets	"	548	88,938	747	151,240
Iron and steel scrap	"	2,290	157,721	3,159	118,693
Lumber	M bd. ft.	395	36,649	421	49,866
Crucibles	—	—	84,616	—	81,066
Foundry coke	tons	2,169	61,843	1,389	40,967
Foundry facings	lb.	104,371	6,104	137,383	15,217
Foundry sands	tons	15,663	144,908	10,078	103,190
Graphite	lb.	48,096	11,769	39,846	9,269
Refractories	—	—	54,315	—	55,013
Other materials	—	—	7,039,724	—	9,191,135
Containers and packing materials	—	—	727,559	—	936,036
Total all materials	—	—	**99,886,257**	—	**150,395,034**

TABLE 5. Products Made in the Brass and Copper Products Industry, 1954 and 1955

Product		1954		1955	
		Quantity	Value of factory shipments	Quantity	Value of factory shipments
			$		$
Aluminum:					
Castings	lb.	1,425,219	1,320,134	1,385,179	1,208,975
Other forms	—	—	790,308	—	1,830,851
Brass and bronze:					
Ingots	tons	9,985	4,729,462	11,464	7,765,451
Castings	"	13,987	12,470,219	14,627	14,892,593
Scrap	"	593	256,908	408	262,243
Other forms (excluding cartridge cases)[1]	"	27,652	22,891,534	32,792	32,093,109
Copper sheets, wire rods, tubing, etc.	"	92,499	66,811,248	116,063	103,711,334
Fire extinguishers, hand-type	—	—	1,784,749	—	2,308,630
Hardware	—	—	73,543	—	238,593
Lightning rods and supplies	—	—	336,241	—	309,631
Plumbers' brass fittings	—	—	10,268,546	—	12,189,352
Cast iron plumbing fixtures	—	—	371,810	—	413,439
Valves:					
Iron and steel body	—	—	3,300,900	—	3,615,929
Brass and bronze, including radiator valves and traps	—	—	5,737,598	—	6,273,783
Ships' fittings	—	—	392,374	—	215,677
Steam boiler trimmings, including gauge cocks and water gauge mountings	—	—	149,034	—	98,180
Amount received for repair work	—	—	904,455	—	1,210,218
All other products, including items made by only 1 or 2 concerns[2]	—	—	25,318,688	—	27,862,012
Total all products	—	—	**157,907,751**	—	**216,500,000**

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. The total production of plumbers' brass fittings and hand-type fire extinguishers from all industries is shown in Tables 6 and 7.

1. Includes bars, rods, sheets, strips, tubing, powder, etc.
2. Includes railway car fittings, kettles, cosmetic containers, gauges, brewery distillation equipment, gas and water meters, cartridge cases, etc.

TABLE 6. Total Production in Canada of Plumbers' Brass Fittings, 1954 and 1955 (From all industries)

Product	Value of factory shipments	
	1954	1955
	$	$
Tub fillers, showers, and combinations of same	1,564,000	2,007,000
Traps, drains, supplies and other tubular fittings	2,264,000	2,459,000
Stops, and stop and drains	1,130,000	1,231,000
Sink faucets and sink combinations	1,921,000	2,321,000
Lavatory and bath faucets, lavatory combinations	1,674,000	2,352,000
Closet tank fittings	1,144,000	1,515,000
All other brass plumbing fittings	4,548,000	4,664,000
Total	**14,245,000**	**16,549,000**

TABLE 7. Total Production[1] in Canada of Hand-Type Fire Extinguishers, 1946-1955 (From all industries)

Year	Selling value at works	Year	Selling value at works
	$		$
1946	896,000	1951	1,825,000
1947	713,000	1952	1,840,000
1948	967,000	1953	1,767,000
1949	1,225,000	1954	2,140,000
1950	1,464,000	1955	2,890,000

1. Factory shipments since 1952.

TABLE 8. Principal Statistics Classified According to Type of Ownership, 1954 and 1955

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	$	$	$
1954					
Individual ownerships	35	149	323, 305	464, 590	961, 438
Partnerships	22	187	485, 573	868, 393	1, 645, 174
Incorporated companies	99	8, 194	29, 322, 247	98, 553, 274	155, 301, 139
Total	**156**	**8, 530**	**30, 131, 125**	**99, 886, 257**	**157, 907, 751**
1955					
Individual ownership	34	158	348, 134	627, 054	1, 189, 499
Partnerships	19	146	387, 248	746, 042	1, 317, 780
Incorporated companies	104	8, 560	31, 538, 659	149, 021, 938	213, 992, 721
Total	**157**	**8, 864**	**32, 274, 041**	**150, 395, 034**	**216, 500, 000**

TABLE 9. Principal Statistics of the Brass and Copper Products Industry in Canada, Grouped According to Size of Establishments, 1954 and 1955

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	$	$	$
1954					
Under $25,000	36	89	178, 919	219, 087	469, 288
$25,000 to $49,999	22	145	320, 464	418, 802	818, 991
$50,000 to $99,999	24	236	646, 357	697, 091	1, 673, 492
$100,000 to $199,999	20	318	976, 057	1, 197, 103	2, 789, 749
$200,000 to $499,999	17	573	1, 796, 723	2, 593, 465	5, 733, 565
$500,000 to $999,999	15	871	3, 147, 590	4, 647, 437	10, 713, 719
$1,000,000 to $4,999,999	17	3, 521	12, 186, 208	18, 259, 215	40, 527, 672
$5,000,000 and over	5	2, 761	10, 804, 292	71, 854, 057	95, 181, 275
Head offices	—	16	74, 515	—	—
Total	**156**	**8, 530**	**30, 131, 125**	**99, 886, 257**	**157, 907, 751**
1955					
Under $25,000	36	90	180, 282	216, 855	473, 391
$25,000 to $49,999	13	77	168, 823	202, 019	444, 883
$50,000 to $99,999	26	235	661, 054	825, 848	1, 716, 149
$100,000 to $199,999	24	392	1, 191, 331	1, 702, 179	3, 421, 904
$200,000 to $499,999	19	531	1, 647, 199	2, 955, 771	6, 314, 590
$500,000 to $999,999	12	705	2, 387, 234	4, 758, 528	8, 960, 787
$1,000,000 to $4,999,999	22	4, 008	14, 177, 496	28, 216, 029	53, 637, 336
$5,000,000 and over	5	2, 812	11, 792, 618	111, 517, 805	141, 530, 960
Head offices	—	14	68, 004	—	—
Total	157	8, 864	32, 274, 041	150, 395, 034	216, 500, 000

TABLE 10. Employees and Their Earnings in the Brass and Copper Products Industry, by Provinces, 1954 and 1955

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						$	$	$
1954								
Quebec	462	170	2,219	66	2,917	2,774,195	7,354,416	10,128,611
Ontario	741	342	3,434	319	4,836	4,756,624	12,628,563	17,385,187
British Columbia	43	9	160	3	215	233,265	551,384	784,649
Other provinces	76	28	425	33	562	490,489	1,342,189	1,832,678
Canada	**1,322**	**549**	**6,238**	**421**	**8,530**	**8,254,573**	**21,876,552**	**30,131,125**
1955								
Quebec	459	167	2,037	64	2,727	2,718,547	7,080,586	9,799,133
Ontario	783	375	3,755	388	5,301	5,149,823	14,651,578	19,801,401
British Columbia	42	7	124	—	173	202,012	429,143	631,155
Other provinces	82	31	495	55	663	533,878	1,508,474	2,042,352
Canada	**1,366**	**580**	**6,411**	**507**	**8,864**	**8,604,260**	**23,669,781**	**32,274,041**

TABLE 11. Production Workers, by Months, 1954 and 1955

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
	Number					
January	6,599	415	7,014	6,155	434	6,589
February	6,397	430	6,827	6,147	448	6,595
March	6,369	413	6,782	6,183	468	6,651
April	6,308	400	6,708	6,178	466	6,644
May	6,292	404	6,696	6,266	484	6,750
June	6,232	420	6,652	6,420	513	6,933
July	6,199	417	6,616	6,347	526	6,873
August	6,120	420	6,540	6,437	530	6,967
September	6,106	428	6,534	6,626	539	7,165
October	6,066	421	6,484	6,732	553	7,285
November	6,049	411	6,460	6,764	571	7,335
December	6,039	387	6,426	6,673	536	7,209
Average	**6,238**	**421**	**6,659**	**6,411**	**507**	**6,918**

TABLE 12. Capital and Repair Expenditures in the Brass and Copper Products Industry, 1951-1955

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						
1951	631	2,525	3,156	475	2,595	3,070	6,226
1952	1,207	2,823	4,030	539	2,944	3,483	7,513
1953	974	3,723	4,697	587	2,557	3,144	7,841
1954	533	3,006	3,539	617	2,647	3,264	6,803
1955[1]	834	2,240	3,074	587	2,795	3,382	6,456

1. Preliminary.

TABLE 13. Imports into Canada of Brass and Copper and Their Products, 1954 and 1955

Item		1954		1955	
		Quantity	Value	Quantity	Value
			$		$
Brass and its products:					
Brass in blocks, ingots or pigs	cwt.	261	11,663	87	5,530
Brass scrap	"	3,439	62,345	1,509	40,002
Brass in bars or rods	"	5,472	199,050	3,946	176,346
Brass in strips, sheets or plates	"	11,678	406,280	10,201	459,411
Brass tubing	"	6,627	405,257	11,843	854,399
Metal caps, for use in the manufacture of electric batteries	—	—	39,145	—	55,257
Coin locks of which solid brass or bronze are the components of chief value, plain, polished or plated	—	—	662	—	1,197
Pumps, hand, brass, n.o.p.	—	—	17,351	—	25,828
Valves, brass	—	—	3,455,200	—	4,027,519
Meters, brass, and parts, n.o.p.	—	—	258,632	—	305,477
Brass wire, for the manufacture of fourdrinier wire or of paper-machine wire cloth	—	—	47,168	—	15,982
Wire, brass, n.o.p.	lb.	44,573	28,343	90,736	47,132
Wire cloth, or woven wire of brass, n.o.p.	—	—	69,882	—	98,139
Manufactures of brass, n.o.p.	—	—	13,091,375	—	13,097,007
Copper and its products:					
Copper, in blocks, pigs or ingots	cwt.	34,068	917,482	704	29,303
Copper scrap, cathode plates of electrolytic copper for melting	cwt.	12,436	317,466	45,015	1,734,427
Copper in bars or rods, for the manufacture of trolley, telegraph and telephone wires, electric wires, electric cables and electrical conductors	cwt.	23,510	623,953	23,165	721,913
Copper in bars or rods, n.o.p.	"	919	37,100	1,535	58,587
Copper in strips, sheets or plates	"	14,044	581,136	11,867	686,372
Copper tubing	"	14,203	802,185	9,455	594,866
Copper rollers and stones, used in the printing of textile fabrics or wallpaper	—	—	140,301	—	150,339
Copper wire, n.o.p.	lb.	174,637	91,092	121,645	71,914
Copper wire cloth or woven wire of copper	—	—	13,960	—	61,320
Copper, manufactures of, n.o.p.	—	—	795,141	—	1,086,974

Note. "n.o.p." means "not otherwise provided for".

TABLE 14. Exports from Canada of Brass and Copper and Their Products, 1954 and 1955

Item	1954		1955	
	Quantity	Value	Quantity	Value
	cwt.	$	cwt.	$
Brass and its products:				
Brass scrap, dross and ashes	166,586	2,748,623	210,481	4,749,903
Brass in bars, ingots, rods, strips, sheets and plates	22,788	684,384	37,407	1,617,692
Brass tubing	6,847	348,260	12,118	612,670
Brass valves	—	354,191	—	443,840
Brass wire and bronze wire	7,863	95,079	2,724	122,340
Brass manufactures, n.o.p.	—	1,941,206	—	302,621
Copper and its products:				
Copper scrap, slag, skimmings and sludge	218,519	5,116,436	365,863	12,094,301
Copper in ingots, bars, cakes, slabs and billets	3,122,594	91,355,516	3,063,988	109,649,603
Copper in rods, strips, sheets and plates	160,973	5,259,588	335,895	13,617,069
Copper tubing	34,181	1,700,341	47,337	2,600,322
Copper wire and cable, insulated	—	5,132,548	—	6,607,791
Copper wire, bare	—	878,515	—	1,804,486
Copper wire screen	—	8,692	—	13,790
Copper manufactures, n.o.p.	—	17,639	—	99,412

Note. " n.o.p." means "not otherwise provided for".

Directory of Firms Included in the Brass and Copper Products Industry in Canada, 1955

Name of firm	Location of plant
(a) Foundries engaged chiefly in making brass valves, taps, plumbers' supplies, etc.	
New Brunswick:	
McAvity & Sons, T., Ltd.	Rothesay Ave., Saint John
Quebec:	
Cuthbert, W.R., & Co. Ltd.	47 Duke St., Montreal
Golden Gate Manufacturing Co. Ltd.	361 Youville St., Montreal
Jenkins Bros. Limited	617 St. Rémi St., Montreal, and St. Joseph St., Lachine
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:	
Alliance Foundry & Pattern Works Reg'd.	915 St. Martin St., Montreal
Archambault Foundry Inc.	8016 Henri-Julien St., Montreal
Boulaine Brass Foundry	4270 Frontenac St., Montreal
Canadian Bronze Powder Works Limited	Valleyfield
Dauncey, P. A., Ltd.	118 Big Forks St. S., Sherbrooke
Dominion Brass & Aluminum Foundry Co.	24 Mont Vernon Ave., Ville St. Pierre
Eastern Brass Foundry, Limited	514 Harbour St., Montreal
Empire Brass Foundry Limited	137 Nazareth St., Montreal
Fonderie d'Art	221 Chemin Chambly, Longueuil
Gaulin, Athanase	St-Francois, Cté, Montmagny
Hazel, James, & Son	333 Mgr. Gauvreau St., Quebec
Laliberté, P. E.	32, rue Fleurie, Quebec
Lauzon Brass and Aluminum Foundry	50 Carrier St., Lauzon
Mark Hot Foundries Ltd.	Hebert St., Montreal North, Leval
Miller's Brass Foundry, Reg'd.	791 Hertel St., Three Rivers
Mitchell, Robert, Co. Limited, The	350 Decarie Blvd., Ville St. Laurent
Montreal Bronze Limited	999 Delormier Ave., Montreal
National Foundry Reg'd.	1722 Champigny St., Montreal
Noranda Copper and Brass Limited	Sherbrooke and Durocher Sts., Montreal East
Regent Brass Foundry	7980-17th Ave., Ville St. Michel
Sicotte, Paul	71 Dubois St., Ste. Thérèse
Supreme Precision Castings Ltd.	6637 Jeanne-Mance St., Montreal
Union Screen Plate Company of Canada, Limited	72 Queen St., Lennoxville
Vandevoorde Foundry	2000 Kent St., Montreal
Verdon Brass & Aluminum Foundry Inc.	1427 Maisonneuve, Montreal
Ontario:	
Anaconda American Brass Limited	8th Street, New Toronto
Atkins & Hoyle Limited	69 Portland St., Toronto
Barnard Foundries Ltd.	13 Dundas St. E., Brantford
Beare Brass Foundry	57 Grey St., Brantford
Bond Brass Limited	110 McArthur Ave., Eastview
Craig Bronze Company	330 Horner Ave., Toronto
Coulter Copper & Brass Company, Limited	115 Sumach St., Toronto and Scarboro
Dominion Gas Meter Company, Limited, The	1-11 Garfield Ave., London
Elmira Aluminum Specialties	Elmira
Ferguson, Robt. J., & Sons	64 Booth St., Ottawa
Fisher and Son Foundry	366 Wilson St., Hamilton
Galt Castings Limited	199 Samuelson St., Galt
Gasyle Precision Castings Ltd.	335 Bering, Toronto
Guelph Brass and Aluminum	17 Division St., Guelph

Directory of Firms Included in the Brass and Copper Products Industry in Canada, 1955 — Continued

Name of firm	Location of plant
(b) Firms engaged chiefly in operating brass and bronze foundries (Other than for valves, taps, etc.) — Concluded	
Ontario — Concluded:	
Industrial Fine Casting Ltd.	272 Geary Ave., Toronto
Inkerman Alloys Foundry	44 Inkerman St., Guelph
Kent-Norlantic Ltd.	389 Horner Ave., Toronto
Kilby, W., Foundry	360 East St., Orillia
Kitchener Brass & Aluminum Foundry	388 Wendell Ave., Kitchener
Klassen Bronze	New Hamburg
Lawrence, T.C., & Sons	17 Jarvis St., Galt
Long Branch Foundry, The	3 Rose Ave., Toronto
May Foundry Co.	2018 Buchanan St., Niagara Falls
McKay Smelters, Limited	20 Charlevoix St., Ottawa
National Brass & Aluminum Foundry	117 St. Patrick St., Toronto
Neptune Meters, Limited	Long Branch
Niagara Bronze	497 Buttery St., Niagara Falls
Non-Ferrous Castings Company	65 Frederick St., Toronto
Quality Brass Foundry	29 Wabash Ave., Toronto
Queen City Brass Foundry	28 Dalhousie St., Toronto
Rahn Metals Limited	Regina St., North Bay
Robinson, J., & Son	2 Hinton Ave., Ottawa
Royal Brass & Aluminum Foundry	6 Widmer St., Toronto
St. Catharines Brass Works, Ltd.	16 Smith St., St. Catharines
St. Thomas Bronze Company, Limited	First Ave., St. Thomas
Sherratt, W., & Son	6 Britain St., Toronto
Sloski, E.	198 Beverley St., Toronto
Standard Brass & Aluminum Foundry	70 Kingsmill Ave., Guelph
Standard Brass Foundry	561 Catharine St. N., Hamilton
Stoermer Bell & Brass Foundry	Kitchener
Tallman, A.H., Bronze Company Limited	Cavell Ave., Hamilton
Technical Industries Co.	1203 Lawrence Ave. W., North Park
Usarco Ltd.	363 Wellington St. N., Hamilton
Wagman, Z., & Son Ltd.	190 Edwin Ave., Toronto
Wilson Brass & Aluminum Foundries	5 Hamilton St., Toronto
Wilson & Cousins, Limited	240 Birmingham St., New Toronto
Windsor Brass Works, Limited	408 Hanna St. E., Windsor
Windsor Match Plate Co.	1125 Westcott Rd., Windsor
Manitoba:	
Bay Bronze Co., The	1520 Wall St., Winnipeg
Northwestern Brass, Limited	13 Bury St., Winnipeg
Western Canada Bronze Company	595 Clifton St., Winnipeg
Winnipeg Brass Limited	600 Clifton St., Winnipeg
Alberta:	
American Brass, Aluminum Foundry Ltd.	12530-123rd Street, Edmonton
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 Ltd.	36 West 3rd Ave., Vancouver
Fraser Brass Foundry	9036 Holt Rd., New Westminster
Georgia Foundry Limited	22 E. 5th Ave., Vancouver
Green, Wm., & Sons Brass Foundry	515 Pembroke St., Victoria
Hastings Brass Foundry Ltd.	236 Clark Drive, Vancouver
Hi-Way Foundry	506 Island Highway, Victoria
Lansco Foundries Limited	1865 West Georgia St., Vancouver
McPhail, Wm., & Sons (Canada) Ltd.	251 East Second Ave., Vancouver
Northwestern Brass & Bronze Foundry	1869 West Georgia St., Vancouver
North Shore Foundry Ltd.	234 E. Esplanade St., N. Vancouver
Pacific Bronze Co. Ltd.	244 Woodland Drive, Vancouver
Pioneer Foundry & Machine Works Ltd.	707-4th Ave. N., Port Alberni
Smith Bros. Foundry, Limited	632 Pembroke St., Victoria
Sumner Brass Foundry Ltd.	619 Bidwell St., Vancouver
Westcoast Metal Products	1205 Glen Drive, Vancouver

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Directory of Firms Included in the Brass and Copper Products Industry in Canada, 1955 – Concluded

Name of firm	Location of plant
(c) Firms engaged chiefly in making fabricated articles (Not foundries)	
Quebec:	
Booth-Coulter Coppersmithing Co. Ltd.	997 Smith 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	1156-58 Papineau Ave., Montreal
Fayle Coppersmith Works Limited	910 Wellington St., Montreal
Guard-X Reg'd.	5875 Papineau Ave., Montreal
Industrial Spinning Co. Ltd.	3850 Ontario St. E., Montreal
Kidde, Walter, & Company of Canada Ltd.	5500 Royalmount Ave., Montreal
Ontario:	
Booth, W.E., Co. Ltd.	12 Mercer St., Toronto
Canadian Meter Company, Limited	Milton
Cello Products	15 Easton St., Galt
Central Electric Wire Ltd.	18 Foster St., Perth
C-O-Two Fire Equipment of Canada Limited	91 East Don Roadway, Toronto
Dodd & Struthers	1721 Moy Ave., Windsor
Dominion Lightning Rod Company	63 Main St., Dundas
Durham Pure Copper Lightning Conductor	Queen St., Durham
Fyr-Fyter Company of Canada, Ltd.	589 Cannon St. E., Hamilton
General Fireguard Corporation Limited, The	978 Luke Rd., Windsor
Granell, G.P., & Son	330 Geary Ave., Toronto
Guardian Manufacturing Company	10 Brock St., Brockville
Johnston Copper & Brass Limited	11 New St., Toronto
Kurly Kate (Canada) Limited	49 Colborne St., Toronto
Lauder Brass Company Limited	186 Adelaide St. W., Toronto
Metal Textile Corporation of Canada, Ltd.	126 Catherine St. N., Hamilton
Millman, W.H., & Sons	243 College St., Toronto
Niagara Terrazzo Supplies Ltd.	316 Second Ave., Niagara Falls
Ottawa Brass Mfg. Co.	542 Wellington St., Ottawa
Phillips Lightning Rod Co. Ltd.	32 Osborne Ave., Toronto
Phillips Electrical Co. (1953) Ltd.	King St., Brockville
Pratt, Austin	125 Berkeley St., Toronto
Pyrene Manufacturing Co. of Canada, Limited	91 East Don Roadway, Toronto
Ratcliff's (Canada) Limited	Yonge Street., Richmond Hill
Riverdale Copper & Brass Works	160 Duchess St., Toronto
Roto Cast Ltd.	721 Eastern Ave., Toronto
S & S Metal Spinning Company	3298 Dundas St. W., Toronto
Tonner, Gordon	Oxford St., Elgin Mills
Toronto Coppersmithing Company	80 Knox Ave., Toronto
United-Carr Fastener Company of Canada, Limited	Gage Ave. and Beach Road, Hamilton: and Oakville
Universal Lightning Rod Company	Hespeler
Wallaceburg-Singer Ltd.	Heinz St., Wallaceburg
Manitoba:	
Canadian Electric & Brass Ltd.	574½ Minto St., Winnipeg
Wawanesa Mutual Insurance Co. (Commercial Department)	Wawanesa
Alberta:	
Winter's Metal Spinning Works	510 – 6th Ave. W., Calgary
British Columbia:	
Ellett Copper & Brass Co. Ltd.	92 West 2nd Ave., Vancouver
Empire Metal Products Ltd.	P.O. Box 551, Vancouver