

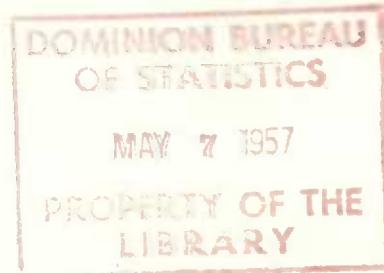
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CANADA

THE WHITE METAL ALLOYS INDUSTRY

1955



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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, 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 WHITE METAL ALLOYS INDUSTRY 1955

Statistics given in this report cover the operations of firms in Canada which were occupied chiefly in (a) the manufacture of white metal alloys, such as babbitt, solders, type and type metal; (b) the refining of scrap to recover white metals, such as lead, tin, zinc, etc.; and (c) the manufacture of products, such as lead sheet, lead pipe, antimonial lead, collapsible tubes, castings, metal foil, etc., in which the white metals or their alloys are the principal materials. In some establishments all three of these operations are carried on, so it is not practicable to make a subdivision of the industry.

Sixty factories reported in this group in 1955 and the value of their output was \$62,505,196. This total represents an increase of 25.4 per cent over the 1954 value of \$49,823,446.

Of the total output during the year under review, 75 per cent came from the 35 plants in Ontario, 18 per cent from the 17 plants in Quebec and the remaining 7 per cent from the 8 plants located in Manitoba, Alberta and British Columbia.

Employment was afforded to a total of 3,102 people, including 673 on salaries and 2,429 on wages. Salaries for the year amounted to \$3,093,769 and wages to \$7,402,383, a total of \$10,496,152. In the previous year the 3,302 workers were paid \$10,444,634.

Materials used in manufacturing, exclusive of fuel and electricity, cost \$38,099,192 delivered at the works. Included in these materials, were 54,386 tons of scrap metals at \$14,446,860; 24,299 tons of pig lead at \$6,922,922; 2,148 tons of pig tin at \$4,022,006; 5,620 tons of aluminum at \$3,265,577; 11,251 tons of zinc spelter at \$3,114,373 and other metals at \$2,982,362.

Factory shipments included 38,895 tons of refined metals (recovered from scrap) valued at \$13,276,629; 6,395 tons of solders at \$5,750,818; 3,897 tons of type and type metal at \$1,896,568; 1,341 tons of babbitt metal at \$1,088,679; die castings at \$10,614,769; 1,445 tons of lead pipe at \$661,491; 2,865 tons of lead sheet at \$1,134,747 and other lines, such as metal foil, moulded shot, collapsible tubes, etc.

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 figures for 1954 and 1955.

NON-FERROUS METAL PRODUCTS

TABLE 1. Principal Statistics of the White Metal Alloys 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
							\$
1929	28	755	929,295	98,958	4,757,366	1,609,844	6,466,168
1932	24	532	621,480	62,970	1,935,507	1,499,572	3,498,049
1937	38	1,222	1,360,216	108,519	5,749,842	3,152,922	9,011,283
1939	35	1,347	1,586,182	121,185	4,927,693	3,888,287	8,937,165
1942	40	2,583	3,848,639	314,986	13,328,759	9,681,331	23,325,076
1946	47	3,414	5,600,124	430,560	15,851,099	9,847,248	26,128,907
1949	47	3,428	7,843,173	704,742	30,643,550	14,130,235	45,478,527
1951	51	3,376	9,512,342	809,230	46,540,009	18,674,676	66,023,915
1952	55	3,238	9,525,283	767,984	34,689,608	17,921,841	53,379,433
1953	56	3,641	11,007,518	767,613	30,142,086	19,595,648	50,505,347
1954							
Quebec	17	428	1,396,425	78,566	6,890,871	2,910,092	9,724,766
Ontario	32	2,712	8,583,829	672,367	20,674,237	16,016,874	37,068,808
Manitoba	3	78	213,916	29,620	1,112,039	421,190	1,512,688
Alberta	1	85	250,464	15,350	994,796	543,957	1,517,184
British Columbia	3						
Canada	56	3,303	10,444,634	795,903	29,671,943	19,892,113	49,823,446
1955							
Quebec	17	447	1,512,527	112,477	8,713,486	2,622,218	11,363,640
Ontario	35	2,479	8,458,728	676,174	26,141,673	20,578,928	46,817,299
Manitoba	3	76	197,789	34,545	1,354,856	296,873	1,626,766
Alberta	1	100	327,108	29,113	1,889,177	886,037	2,697,491
British Columbia	4						
Canada	60	3,102	10,496,152	852,309	38,099,192	24,384,056	62,505,196

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. Inventories¹, 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec	616,984	55,210	480,239	1,152,433
Ontario	2,597,147	902,320	1,846,044	5,345,511
Other provinces	320,807	88,597	204,473	613,877
Canada	3,534,938	1,046,127	2,530,756	7,111,821
Closing:				
Quebec	774,514	52,382	564,780	1,391,676
Ontario	3,428,280	989,064	2,425,520	6,842,864
Other provinces	270,897	77,437	370,817	719,151
Canada	4,473,691	1,118,883	3,361,117	8,953,691

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 White Metal Alloys 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. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 3. Products Made in the White Metal Alloys Industry, 1954 and 1955

Product	1954		1955	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	lb.	\$	lb.	\$
Refined metals (reclaimed or remelted):				
Aluminum	13,945,878	2,354,797	14,182,903	3,547,830
Lead (antimonial)	37,959,409	5,222,648	45,102,964	6,897,864
Lead (common)	10,605,881	1,554,364	12,357,257	1,912,821
Tin	156,704	67,118	92,114	94,058
Zinc	3,331,253	362,814	5,575,360	698,182
Other metals	—	—	478,901	125,874
Alloys:				
Babbitt	1,871,258	772,508	2,681,558	1,088,679
Brass and bronze ingots	10,867,105	2,813,648	14,246,317	4,844,949
Copper alloys, not elsewhere specified	693,313	290,334	445,234	462,917
Lead alloys, not elsewhere specified	1,575,938	367,359	1,183,076	346,057
Solders	10,352,200	4,589,326	12,789,019	5,750,818
Tin alloys, not elsewhere specified	92,424	26,076	5,702	6,172
Type and type metal	8,149,079	1,732,508	7,793,843	1,896,568
Die casting alloys	9,616,804	1,381,839	9,251,463	1,441,943
Zinc alloys, not elsewhere specified	674,028	98,921	650,355	112,755
Other non-ferrous alloys	254,356	45,453	775,330	191,825
Castings:				
Die castings:				
Of aluminum-base alloy	1,148,381	950,367	1,695,845	1,321,455
Of zinc-base alloy	10,577,001	5,601,982	18,507,778	9,223,861
Of other metal base	69,495	46,800	103,708	69,453
Other castings:				
Brass and bronze	641	628	1,130	864
Lead	506,665	233,793	521,642	161,243
Other (aluminum, magnesium, zinc, etc.)	—	4,297,475	—	3,150,457
Lead products:				
Pipe	2,728,420	639,901	2,889,346	661,491
Sheets	4,883,012	1,020,341	5,729,644	1,134,747
Traps and fittings	1,544,180	570,145	2,510,646	1,078,040
Miscellaneous, including bullet wire, shot, etc.	—	982,833	—	1,146,411
Scrap and dross	—	1,748,558	—	3,104,031
All other products ¹	—	12,050,910	—	12,033,831
Total	—	49,823,446	—	62,505,196

1. Includes commodities which were made by only one or two firms in this industry, such as metal foil, collapsible tubes, lead oxides, etc.

TABLE 4. Materials Used in the White Metal Alloys Industry, 1954 and 1955

Material	1954		1955	
	Quantity	Cost at plant	Quantity	Cost at plant
Metals (other than scrap):		\$		\$
Aluminum:				
Ingots:				
Primary or virgin	lb.	4,606,065	921,651	5,813,788
Secondary (from scrap)	"	221,454	34,759	1,306,966
Other forms	"	3,767,686	1,418,207	4,119,519
Antimony	lb.	1,407,260	355,741	1,500,574
Arsenic:				
Metallic arsenic	lb.	28,292	3,840	29,563
Oxide, As ₂ O ₃	"	59,385	3,527	65,899
Bismuth	"	35,767	83,042	35,846
Brass, and bronze, all forms	"	405,901	231,695	846,089
Cadmium	"	3,379	5,846	13,579
Copper ingots and slabs:				
Primary or virgin	lb.	881	328	122,629
Secondary (from scrap)	"	350	69	762,345
Die casting alloys	lb.	5,172,098	681,188	7,877,257
Lead, pig:				
Pure:				
Primary or virgin	lb.	33,085,955	4,191,374	44,258,194
Secondary (from scrap)	"	1,246,778	145,762	1,543,600
Antimonial:				
Primary	lb.	2,622,922	393,735	2,796,216
Secondary (from scrap)	"	67,228	8,740	—
Magnesium	lb.	1,743,198	707,568	605,658
Manganese metal	"	16,294	6,723	9,006
Nickel	"	13,276	8,503	73,803
Silicon metal	"	427,407	82,411	307,090
Silver, fine	troy oz.	14,240	13,452	17,837
Tellurium	lb.	794	1,447	740
Tin, pig:				
Primary or virgin	lb.	3,405,196	2,975,350	4,280,673
Secondary (from scrap)	"	19,451	15,931	16,119
Zinc slabs, bars and ingots:				
Primary or virgin	lb.	12,485,244	1,554,910	18,139,887
Secondary (from scrap)	"	4,018,083	465,007	4,361,867
Other metals, except scrap, but including alloys..	lb.	293,984	231,844	838,967
Scrap metals of all kinds:				
Aluminum	lb.	9,225,987	1,230,007	12,024,407
Babbitt	"	2,307,266	374,990	2,608,843
Brass and bronze	"	9,585,550	1,644,700	9,998,137
Copper	"	4,231,773	1,001,152	3,761,708
Lead:				
Battery plates and lugs	lb.	45,881,894	3,383,118	43,744,774
Dross	"	8,040,899	554,129	4,443,998
Other	"	11,381,664	1,259,086	13,995,879
Magnesium	lb.	1,154	190	241,408
Solder	"	1,002,394	198,709	1,571,100
Tin	"	74,645	41,943	78,387
Type metal	"	6,355,122	1,009,536	6,746,481
Zinc	"	1,650,698	98,721	2,471,680
Zinc dross	"	2,917,005	185,710	6,160,639
Other scrap, including scrap unspecified by kind..	"	4,007,585	505,744	924,345
Shipping containers	—	—	207,174	—
All other materials	—	—	3,434,384	—
Total	—	—	29,671,943	—
				38,099,192

TABLE 5. Production¹ of Babbitt, Solders, Type and Type Metal, 1946-1955 (From all industries)

YEAR	Babbitt metal		Solders of all kinds		Type and type metal	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
	pounds	\$	pounds	\$	pounds	\$
1946	5,077,738	1,386,295	7,475,951	2,102,508	6,565,831	727,537
1947	6,511,921	1,961,280	10,153,577	3,104,615	7,761,868	1,376,819
1948	5,496,104	1,840,169	10,480,048	4,511,761	8,601,466	1,824,902
1949	3,630,232	1,278,156	9,473,573	4,412,506	7,812,131	1,768,434
1950	4,202,607	1,634,590	12,897,001	6,009,587	9,129,748	2,157,457
1951	4,061,472	2,287,717	11,873,951	7,409,623	8,592,650	2,377,489
1952	2,810,857	1,358,068	11,734,509	5,674,938	7,559,473	2,065,443
1953	2,879,263	1,168,778	11,242,213	5,087,584	6,320,582	1,724,280
1954	2,036,194	904,776	10,356,093	4,591,640	8,149,079	1,732,508
1955	2,848,000	1,207,000	12,814,000	5,764,000	7,794,000	1,897,000

1. Factory shipments since 1952.

TABLE 6. Principal Statistics of the White Metal Alloys Industry, 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 ownership	6	52	114,377	129,791	311,926
Partnerships	3	18	53,027	76,665	138,053
Incorporated companies	47	3,233	10,277,230	29,465,487	49,373,467
Total	56	3,303	10,444,634	29,671,943	49,823,446
1955					
Individual ownership	6	51	133,765	180,530	419,944
Partnerships	4	23	75,962	120,574	220,253
Incorporated companies	50	3,028	10,286,425	37,798,088	61,864,999
Total	60	3,102	10,496,152	38,099,192	62,505,196

TABLE 7. Principal Statistics of the White Metal Alloys Industry in Canada, Grouped According to Size of Establishment, 1954 and 1955

Establishments reporting value of factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1954					
Under \$25,000	5	21	47,222	21,179	59,867
\$25,000 to \$49,999	4	32	73,349	41,929	139,864
\$50,000 to \$99,999	7	71	161,082	267,813	508,154
\$100,000 to \$199,999	11	146	473,357	776,041	1,582,062
\$200,000 to \$499,999	8	160	424,415	1,876,649	2,423,530
\$500,000 to \$999,999	5	365	1,052,826	1,628,306	3,529,947
\$1,000,000 to \$4,999,999	15	2,508	8,212,383	25,060,026	41,580,022
\$5,000,000 and over	1				
Total	56	3,303	10,444,634	29,671,943	49,823,446
1955					
Under \$25,000	5	15	29,724	38,313	90,564
\$25,000 to \$49,999	4	20	64,227	42,932	173,985
\$50,000 to \$99,999	7	61	163,924	250,832	487,306
\$100,000 to \$199,999	13	147	470,395	944,678	1,802,023
\$200,000 to \$499,999	8	141	423,915	1,542,064	2,336,851
\$500,000 to \$999,999	6	246	837,840	2,760,923	4,397,813
\$1,000,000 to \$4,999,999	15	2,472	8,506,127	32,519,450	53,216,654
\$5,000,000 and over	2				
Total	60	3,102	10,496,152	38,099,192	62,505,196

NON-FERROUS METAL PRODUCTS

TABLE 8. Employees and Their Earnings in the White Metal Alloys Industry, by Provinces, 1954 and 1955

Province	Number of employees					Earnings		
	Office and supervisory		Production workers		Total	Office and supervisory	Production workers	Total
	Male	Female	Male	Female				
1954						\$	\$	\$
Quebec.....	81	24	310	13	428	410,572	985,853	1,396,425
Ontario.....	376	130	1,702	504	2,712	2,184,609	6,399,220	8,583,829
Manitoba	15	4	58	1	78	75,779	138,137	213,916
Alberta and British Columbia.....	21	12	52	—	85	95,806	154,658	250,464
Canada.....	493	170	2,122	518	3,303	2,766,766	7,677,868	10,444,634
1955								
Quebec.....	93	21	308	25	447	401,908	1,110,619	1,512,527
Ontario.....	360	141	1,497	481	2,479	2,488,551	5,970,177	8,458,728
Manitoba	14	7	54	1	76	70,209	127,580	197,789
Alberta and British Columbia.....	25	12	63	—	100	133,101	194,007	327,108
Canada.....	492	181	1,922	507	3,102	3,093,769	7,402,383	10,496,152

TABLE 9. Production Workers, by Months, 1954 and 1955

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
	Number					
January	2,096	517	2,613	1,851	486	2,337
February	2,126	482	2,608	1,873	487	2,360
March	2,148	517	2,665	1,866	478	2,544
April	2,134	568	2,702	1,924	477	2,401
May.....	2,122	540	2,662	1,846	492	2,338
June	2,204	532	2,736	1,884	501	2,385
July	2,178	539	2,717	1,874	469	2,343
August	2,117	500	2,617	1,929	496	2,425
September	2,128	515	2,643	1,965	562	2,527
October	2,070	513	2,583	2,014	560	2,574
November.....	2,087	496	2,583	2,018	576	2,594
December.....	2,025	500	2,525	2,004	546	2,550
Average	2,122	518	2,640	1,922	507	2,429

TABLE 10. Capital and Repair Expenditures in the White Metal Alloys 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	508	927	1,435	145	577	722	2,157
1952	712	695	1,407	111	624	735	2,142
1953	2,514	986	3,500	112	604	716	4,218
1954	74	920	994	149	709	858	1,852
1955 ¹	345	859	1,204	185	731	916	2,120

1. Preliminary.

TABLE 11. Imports of Lead, Tin and Zinc and Their Products, 1954 and 1955

Item	1954		1955	
	Quantity	Value	Quantity	Value
		\$		\$
Lead and its products:				
Lead in pigs and blocks	lb.	296,633	38,677	195,337
" Lead, old and scrap	"	24,200	2,907	107,244
" Lead in bars and sheets	"	60,083	9,573	135,713
Lead pipe	lb.	1,160	239	-
Lead capsules for bottles	"	-	113,894	-
Shot and bullets, lead	lb.	5,020	1,731	1,917
Manufactures of lead, n.o.p.	"	-	200,784	-
				191,090
Tin and its products:				
Tin in blocks, pigs or bars	cwt.	85,917	7,441,782	96,713
Tinfoil	lb.	28,859	30,959	36,505
Collapsible tubes	"	-	103,415	-
				8,813,544
41,118				92,696
Zinc and its products:				
Zinc in blocks, pigs, bars and rods and zinc plates, n.o.p.	cwt.	1,951	31,538	997
Zinc strip and sheets and zinc plates for marine boilers ..	"	25,130	526,408	36,826
Zinc dust	"	5,966	82,708	8,389
Zinc slugs for discs, for the manufacture of seamless cups or shells for electric dry batteries	"	-	386,829	-
Zinc, manufactures of, n.o.p.	"	-	1,740,685	-
				346,078
				2,108,492
Alloys, n.o.p.:				
Babbitt metal in blocks, bars, plates and sheets	cwt.	258	20,914	430
Britannia metal, manufactures of, not plated	"	-	21,066	-
Chromium metal and tungsten metal, in lumps, powder, ingots, blocks or bars and scrap of alloy metal containing chromium and tungsten, for alloying purposes	lb.	294,312	244,473	575,489
Metal alloy slugs, cast, with diamonds or diamond clips embedded therein, as for the mould, and metal alloy strip	"	-	19,517	-
Phosphor tin and phosphor bronze, in blocks, bars, plates, sheets and wire	lb.	932,843	643,333	1,053,714
Alloys of copper	"	-	230,501	-
Alloys of magnesium	"	-	99,944	-
				795,285
				337,591
				186,034
Type and type metal:				
Type metal, in blocks, bars, plates and sheets	lb.	13,845	2,526	732
Type for printing, including chases, quoins and slugs of all kinds	"	-	190,855	-
				595
				172,294

TABLE 12. Exports of Lead and Zinc and Their Products, 1954 and 1955

Item	1954		1955	
	Quantity	Value	Quantity	Value
		\$		\$
Lead in pigs, refined lead	cwt.	2,328,183	25,802,738	1,854,085
Lead scrap	"	17,398	158,761	12,531
Lead pipe and tubing	"	549	10,719	442
Lead manufactures	"	-	22,974	-
Zinc spelter	cwt.	4,120,750	39,188,377	4,276,737
Zinc scrap, dross and ashes	"	102,271	364,866	109,312
Zinc, manufactures of	"	-	76,945	-
				462,214
				162,188

Directory of Firms in the White Metal Alloys Industry, 1955

Name of firm	Location of plant
Quebec:	
Associated Printers Supply Co.	1433 Wellington St., Montreal
Canada Metal Company Limited, The	6265 Notre Dame St. E., Montreal
Eagle Smelting & Refining Works Limited	1095 Smith St., Montreal
Eastern Die Casting Co. Reg'd.	975 Decarie Blvd., Ville St. Laurent
Federated Metals Canada Ltd.	1400 Norman St., Lachine
Industrie Leadco, Limitee	5889 des Erables St., Montreal
Lawson Machine Works Ltd.	5785 Boyer St., Montreal
Liberty Smelting Works Ltd.	269 Prince St., Montreal
Metals & Alloys, (Quebec) Limited	1611 Bercy St., Montreal
Montebello Metal Ltd.	Montebello
Montreal Materials Processing Co. Ltd.	5270 Arnoldi St., Montreal
Ouellette, O. J., Co.	270 Vitre Est, Montreal
Richler, Michael	846 William St., Montreal
Richmond Machine Tool & Die Casting Co. Ltd.	165 St-Zotique W., Montreal
Riverside Smelting & Refining Works, Ltd.	639 Farm St., Montreal
Standard Metal Co. Inc.	536 Dollard, Ville Lasalle
Steel Company of Canada, Limited, The	2320 Notre Dame St. W., Montreal
Ontario:	
Barber Die Casting Co. Limited	Cor. Hillyard & Munroe Sts., Hamilton
Binkley, T., Die Casting Co.	175 Samuelson St., Galt
Brant Magnesium Co. Ltd.	80 Brant St., Hamilton
Cametoid Ltd.	Ajax
Carpenter Die Casting Co.	474 Burlington St. E., Hamilton
Canada Foils Limited	1891 Eglinton Ave. E., Toronto
Canada Metal Co. Ltd., The	721 Eastern Ave., Toronto
Canadian Magnesium Products Ltd.	Preston
Cohen, I., & Co. Ltd.	594 Montreal St., Kingston
Cramco Alloy Sales	190 Eastern Ave., Toronto
Dominion & Monarch Type Foundries	34 Mercer, Toronto
Dominion Die Casting Ltd.	Heinz St., Wallaceburg
Dundas Die Casters Ltd.	James St., Dundas
Federated Metals Canada Ltd.	1110 Birchmont Rd., Scarborough
General Smelting Company of Canada, Ltd.	Wilcox St., Hamilton
Grenville Castings Limited	Merrickville
Hewitt Metals Corporation, Limited	1554 McDougall Ave. E., Windsor
Ingot Metal Co. Ltd.	Vansco Road, Etobicoke
Kester Solder Company of Canada Limited	51 Bruce St., Brantford
Lakeshore Die Casting Ltd.	Queen Elizabeth Highway, Oakville
Last Minute Mfg. Co. Ltd.	Wellington St. N., Thorold
Leader Die Casting Co.	Oakville
Light Alloys Limited	Haley
Lintet Metal Industries Limited	21 Argyle St., Renfrew
Metals & Alloys Limited	Wicksteed Ave., Leaside, Toronto
Modern Containers Limited	1190 Birchmont Rd., Scarborough
Moore Type Foundry Limited	431 King St. W., Toronto
Newburg Die Castings	29A Birch Ave., Toronto
Pressure Castings of Canada Limited	67 Main St. S., Weston
Pressure W.M.D. Castings Co. Ltd.	112 Ossington Ave., Toronto
Prince & Smith Type Foundry	113 St. Patrick St., Toronto
Schultz Die Casting Co. of Canada Limited	Wallaceburg
Standard Metal Co.	Rear 32 Sullivan, Toronto
Sun Tube Corp. of Canada Ltd.	145 Spruce St., Ottawa
Toronto Refiners & Smelters Ltd.	28 Bathurst St., Toronto
Manitoba:	
Canada Metal Company Limited, The	1255 St. James St., Winnipeg
Diecast Products Ltd.	1085 Winnipeg Ave., Winnipeg
Union Metal Company Limited, The	654 McGee St., Winnipeg
Alberta:	
Canada Metal Company Ltd., The	5524 - 4th St. S.E., Calgary
British Columbia:	
Canadian Lead & Alloys Ltd.	5840 Douglas Road, North Burnaby
Canada Metal Company Limited, The	1428 Granville St., Vancouver
Metal Distributors Ltd.	1416 Franklin St., Vancouver
Metalex Ltd.	251 - No. 5 Rd., Vancouver



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