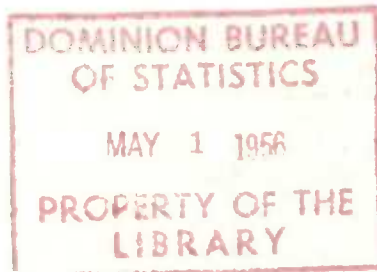




CANADA

# THE WHITE METAL ALLOYS INDUSTRY

## 1954



*Published by Authority of*  
The Right Honourable C. D. Howe, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Industry and Merchandising Division  
Metal and Chemical Products Section

6512-609-124

Price 25 cents

Vol. 2—Part XIV—D-1

## 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 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 Non-ferrous Smelting and Refining Industry, 25¢
- G — The Miscellaneous Non-ferrous Metal Products Industry, 25¢

# THE WHITE METAL ALLOYS INDUSTRY

1954

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.

Fifty-six factories reported in this group in 1954, and the value of their output was \$49,823,446. This total represented a decline of 1.4 per cent from the 1953 value of \$50,505,347.

Of the total output during the year under review, 74 per cent came from the 32 plants in Ontario, 20 per cent from the 17 plants in Quebec and 6 per cent from the 3 plants in Manitoba, 3 in British Columbia and 1 in Alberta.

Employment was afforded to a total of 3,303 people, including 663 on salaries and 2,640 on wages. Salaries for the year amounted to \$2,766,766 and wages to \$7,677,868, a total of \$10,444,634. In the previous year the 3,641 workers were paid \$11,007,518.

Materials used in manufacturing, exclusive of fuel and electricity, cost \$29,671,943 delivered at the works. Included in these materials were 53,331 tons of scrap metals at \$11,487,735; 18,512 tons of pig lead at \$4,739,611; 1,713 tons of pig tin at \$2,991,281; 4,298 tons of aluminum at \$2,374,617; 8,252 tons of zinc spelter at \$2,019,917 and other metals at \$2,413,697.

Factory shipments included 32,999 tons of refined metals (recovered from scrap) valued at \$9,561,741; 5,176 tons of solders at \$4,589,326; 4,075 tons of type and type metal at \$1,732,508; 936 tons of babbitt metal at \$772,508; die castings at \$6,599,149; 1,364 tons of lead pipe at \$639,901; 2,442 tons of lead sheet at \$1,020,341 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, 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.

**TABLE 1. Principal Statistics of the White Metal Alloys Industry, Significant Years 1929 - 1954, and by Provinces, 1953 and 1954**

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 <sup>1</sup>	Gross selling value of products <sup>1</sup>
	No.	No.	\$	\$	\$	\$	\$
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
1950 .....	48	3,557	8,620,347	792,080	35,161,532	16,146,778	52,100,390
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
<b>1953</b>							
Quebec .....	18	437	1,388,175	77,168	6,393,337	2,462,436	8,932,941
Ontario .....	33	3,040	9,171,146	631,961	21,682,524	16,375,816	38,690,301
Manitoba .....	3	164	448,197	58,484	2,066,225	757,396	2,882,105
British Columbia .....	2						
<b>Canada</b> .....	<b>56</b>	<b>3,641</b>	<b>11,007,518</b>	<b>767,613</b>	<b>30,142,086</b>	<b>19,595,648</b>	<b>50,505,347</b>
<b>1954</b>							
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						
<b>Canada</b> .....	<b>56</b>	<b>3,303</b>	<b>10,444,634</b>	<b>795,903</b>	<b>29,671,943</b>	<b>19,892,113</b>	<b>49,823,446</b>

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. Inventories<sup>1</sup>, 1954**

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec .....	693,544	19,419	264,028	976,991
Ontario .....	2,498,078	902,754	1,578,504	4,979,336
Other provinces .....	209,958	81,939	112,922	404,819
<b>Canada</b> .....	<b>3,401,580</b>	<b>1,004,112</b>	<b>1,955,454</b>	<b>6,361,146</b>
Closing:				
Quebec .....	867,503	34,735	418,791	1,321,029
Ontario .....	2,720,614	932,732	1,873,174	5,526,520
Other provinces .....	322,834	87,356	200,002	610,192
<b>Canada</b> .....	<b>3,910,951</b>	<b>1,054,823</b>	<b>2,491,967</b>	<b>7,457,741</b>

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.



TABLE 3. Products Made in the White Metal Alloys Industry, 1953 and 1954

Product	1953		1954	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	lb.	\$	lb.	\$
<b>Refined metals (reclaimed or remelted):</b>				
Aluminum .....	12,289,843	2,395,352	13,945,878	2,354,797
Lead (antimonial) .....	39,665,587	5,523,886	37,959,409	5,222,648
Lead (common) .....	9,851,059	1,419,607	10,605,881	1,554,364
Tin .....	250,949	207,036	156,704	67,118
Zinc .....	2,848,869	299,908	3,331,253	362,814
Other metals .....	—	—	—	—
<b>Alloys:</b>				
Babbitt .....	2,657,575	1,021,277	1,871,258	772,508
Brass and bronze ingots .....	9,236,291	2,546,784	10,867,105	2,813,648
Copper alloys, not elsewhere specified .....	617,150	266,081	693,313	290,334
Lead alloys, not elsewhere specified .....	270,998	94,625	1,575,938	367,359
Solders .....	11,234,928	5,083,663	10,352,200	4,589,326
Tin alloys, not elsewhere specified .....	894,683	217,096	92,424	26,076
Type and type metal .....	6,320,582	1,724,280	8,149,079	1,732,508
Die casting alloys .....	11,615,920	1,670,720	9,616,804	1,381,839
Zinc alloys, not elsewhere specified .....	1,136,974	197,081	674,028	98,921
Other non-ferrous alloys .....	541,752	162,238	254,356	45,453
<b>Castings:</b>				
Die castings:				
Of aluminum-base alloy .....	1,126,638	957,459	1,148,381	950,367
Of zinc-base alloy .....	12,784,919	7,011,563	10,577,001	5,601,982
Of other metal base .....	407,849	260,596	69,495	46,800
Other castings:				
Brass and bronze .....	589	401	641	628
Lead .....	159,183	104,651	506,665	233,793
Other (aluminum, magnesium, zinc, etc.) .....	—	4,927,313	—	4,297,475
<b>Lead products:</b>				
Pipe .....	3,048,214	674,991	2,728,420	639,901
Sheets .....	4,902,499	957,284	4,883,012	1,020,341
Traps and fittings .....	1,660,715	607,018	1,544,180	570,145
Miscellaneous, including bullet wire, shot, etc. ....	—	700,666	—	982,833
Scrap and dross .....	—	358,266	—	1,748,558
All other products <sup>1</sup> .....	—	11,115,505	—	12,050,910
<b>Total</b> .....	<b>—</b>	<b>50,505,347</b>	<b>—</b>	<b>49,823,446</b>

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, 1953 and 1954

Material	1953		1954	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
<b>Metals (other than scrap):</b>				
Aluminum:				
Ingots:				
Primary or virgin .....	lb. 3,344,525	847,020	4,606,065	921,651
Secondary (from scrap) .....	" 677,283	137,455	221,454	34,759
Other forms .....	" 3,789,594	1,290,579	3,767,686	1,418,207
Antimony .....	lb. 1,497,123	339,570	1,407,260	355,741
Arsenic:				
Metallic arsenic .....	lb. 36,515	4,021	28,292	3,840
Oxide, As <sub>2</sub> O <sub>3</sub> .....	" 50,178	3,146	59,385	3,527
Bismuth .....	" 42,422	96,427	35,767	83,042
Brass, and bronze, all forms .....	" 291,351	90,350	405,901	231,695
Cadmium .....	" 5,042	10,874	3,379	5,846
Copper ingots and slabs:				
Primary or virgin .....	lb. 214,203	57,534	881	328
Secondary (from scrap) .....	" 540,898	129,898	350	69
Die casting alloys .....	lb. 5,063,710	770,696	5,172,098	681,188
Lead, pig:				
Pure:				
Primary or virgin .....	lb. 38,729,698	4,901,984	33,085,955	4,191,374
Secondary (from scrap) .....	" 1,809,807	198,192	1,246,778	145,762
Antimonial:				
Primary .....	lb. 2,313,669	328,352	2,622,922	393,735
Secondary (from scrap) .....	" 389,267	49,010	67,228	8,740
Magnesium .....	lb. 1,796,134	809,208	1,743,198	707,568
Manganese metal .....	" 14,992	5,858	16,294	6,723
Nickel .....	" 849	534	13,276	8,503
Silicon metal .....	" 63,356	12,399	427,407	82,411
Silver, fine .....	troy oz. 15,188	14,226	14,240	13,452
Tellurium .....	lb. 510	1,036	794	1,447
Tin, pig:				
Primary or virgin .....	lb. 3,740,185	3,593,397	3,405,196	2,975,350
Secondary (from scrap) .....	" 15,368	14,283	19,451	15,931
Zinc slabs, bars and ingots:				
Primary or virgin .....	lb. 15,955,874	2,077,775	12,485,244	1,554,910
Secondary (from scrap) .....	" 4,512,005	594,131	4,018,083	465,007
Other metals, except scrap, but including alloys..	lb. 1,075,563	495,348	293,984	231,844
<b>Scrap metals of all kinds:</b>				
Aluminum .....	lb. 11,676,434	1,609,497	9,225,987	1,230,007
Babbitt .....	" 2,269,389	450,671	2,307,266	374,990
Brass and bronze .....	" 6,201,165	1,173,823	9,585,550	1,644,700
Copper .....	" 5,225,850	1,209,416	4,231,773	1,001,152
Lead:				
Battery plates and lugs .....	lb. 31,816,175	2,115,059	45,881,894	3,383,118
Dross .....	" 6,826,443	552,440	8,040,899	554,129
Other .....	" 11,447,904	1,232,475	11,381,664	1,259,086
Magnesium .....	lb. 166	26	1,154	190
Solder .....	" 1,636,378	398,698	1,002,394	198,709
Tin .....	" 45,183	33,201	74,645	41,943
Type metal .....	" 5,842,601	940,970	6,355,122	1,009,536
Zinc .....	" 1,696,149	108,638	1,650,698	98,721
Zinc dross .....	" 3,257,303	217,174	2,917,005	185,710
Other scrap, including scrap unspecified by kind..	" 1,123,448	173,610	4,007,585	505,744
Shipping containers .....	—	224,178	—	207,174
All other materials .....	—	2,828,907	—	3,434,384
<b>Total .....</b>	<b>—</b>	<b>30,142,086</b>	<b>—</b>	<b>29,671,943</b>

TABLE 5. Production<sup>1</sup> of Babbitt, Solders, Type and Type Metal, 1945 - 1954 (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	\$
1945 .....	4,409,033	950,407	7,156,668	1,814,494	6,563,071	686,094
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

1. Factory shipments since 1952.

TABLE 6. Principal Statistics of the White Metal Alloys Industry, Classified According to Type of Ownership, 1953 and 1954

Type	Estab-lish-ments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
<b>1953</b>					
Individual ownership .....	8	52	140,362	130,043	296,299
Partnerships .....	3	17	50,311	55,612	103,500
Incorporated companies .....	45	3,572	10,816,845	29,956,431	50,105,548
<b>Total .....</b>	<b>56</b>	<b>3,641</b>	<b>11,007,518</b>	<b>30,142,086</b>	<b>50,505,347</b>
<b>1954</b>					
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
<b>Total .....</b>	<b>56</b>	<b>3,303</b>	<b>10,444,634</b>	<b>29,671,943</b>	<b>49,823,446</b>

TABLE 7. Principal Statistics of the White Metal Alloys Industry in Canada, Grouped According to Size of Establishment, 1953 and 1954

Establishments reporting value of factory shipments	Estab-lish-ments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
<b>1953</b>					
Under \$25,000 .....	10	41	94,025	49,692	137,909
\$25,000 to \$49,999 .....	5	47	136,960	128,694	201,875
\$50,000 to \$99,999 .....	7	46	115,470	219,067	463,780
\$100,000 to \$199,999 .....	8	129	380,304	585,971	1,206,093
\$200,000 to \$499,999 .....	6	118	343,868	1,426,353	1,962,429
\$500,000 to \$999,999 .....	5	344	932,554	1,519,112	3,255,958
\$1,000,000 to \$4,999,999 .....	14	2,916	9,004,337	26,213,197	43,277,303
\$5,000,000 and over .....	1				
<b>Total .....</b>	<b>56</b>	<b>3,641</b>	<b>11,007,518</b>	<b>30,142,086</b>	<b>50,505,347</b>
<b>1954</b>					
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				
<b>Total .....</b>	<b>56</b>	<b>3,303</b>	<b>10,444,634</b>	<b>29,671,943</b>	<b>49,823,446</b>



**TABLE 8. Employees and Their Earnings in the White Metal Alloys Industry, by Provinces, 1953 and 1954**

Province	Number of employees					Earnings		
	Office and supervisory		Production workers		Total	Office and supervisory	Production workers	Total
	Male	Female	Male	Female				
<b>1953</b>						\$	\$	\$
Quebec .....	81	21	327	8	437	422,651	965,524	1,388,175
Ontario .....	410	149	1,932	549	3,040	2,192,108	6,979,038	9,171,146
Manitoba .....	29	18	111	6	164	150,441	297,756	448,197
British Columbia .....								
<b>Canada .....</b>	<b>520</b>	<b>188</b>	<b>2,370</b>	<b>563</b>	<b>3,641</b>	<b>2,765,200</b>	<b>8,242,318</b>	<b>11,007,518</b>
<b>1954</b>								
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	59	1	78	75,779	138,137	213,916
Alberta and British Columbia .....	21	12	52	—	85	95,806	154,658	250,464
<b>Canada .....</b>	<b>493</b>	<b>170</b>	<b>2,122</b>	<b>518</b>	<b>3,303</b>	<b>2,766,766</b>	<b>7,677,868</b>	<b>10,444,634</b>

**TABLE 9. Production Workers, by Months, 1953 and 1954**

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
	Number					
January .....	2,293	515	2,808	2,096	517	2,613
February .....	2,369	542	2,911	2,126	482	2,608
March .....	2,305	562	2,867	2,148	517	2,665
April .....	2,362	571	2,933	2,134	568	2,702
May .....	2,432	578	3,010	2,122	540	2,662
June .....	2,426	561	2,987	2,204	532	2,736
July .....	2,415	549	2,964	2,178	539	2,717
August .....	2,431	558	2,989	2,117	500	2,617
September .....	2,460	588	3,048	2,128	515	2,643
October .....	2,399	583	2,982	2,070	513	2,583
November .....	2,290	569	2,859	2,087	496	2,583
December .....	2,244	566	2,810	2,025	500	2,525
<b>Average .....</b>	<b>2,370</b>	<b>563</b>	<b>2,933</b>	<b>2,122</b>	<b>518</b>	<b>2,640</b>

**TABLE 10. Capital and Repair Expenditures in the White Metal Alloys 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 .....	247	699	946	137	782	919	1,865
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	4,216
1954 <sup>1</sup> .....	174	998	1,172	164	629	793	1,965

1. Preliminary.



TABLE 11. Imports of Lead, Tin and Zinc, and Their Products, 1953 and 1954

Item	1953		1954		
	Quantity	Value	Quantity	Value	
		\$		\$	
Lead and its products:					
Lead in pigs and blocks .....	lb.	510,657	62,427	296,633	38,677
Lead, old and scrap .....	"	52,704	9,912	24,200	2,907
Lead in bars and sheets .....	"	61,102	10,921	60,083	9,573
Lead pipe .....	lb.	—	—	1,160	239
Lead capsules for bottles .....	—	—	97,384	—	113,894
Shot and bullets, lead .....	lb.	2,827	1,207	5,020	1,731
Manufactures of lead, n.o.p. ....	—	—	255,067	—	200,784
Tin and its products:					
Tin in blocks, pigs or bars .....	cwt.	82,928	8,263,530	85,917	7,441,782
Tinfoil .....	lb.	16,565	17,022	28,859	30,959
Collapsible tubes .....	—	—	83,240	—	103,415
Zinc and its products:					
Zinc in blocks, pigs, bars and rods, and zinc plates, n.o.p. ....	cwt.	572	16,048	1,951	31,538
Zinc strip and sheets, and zinc plates for marine boilers .....	"	25,945	587,732	25,130	526,408
Zinc dust .....	"	6,703	104,831	5,966	82,708
Zinc slugs for discs, for the manufacture of seamless cups or shells for electric dry batteries .....	—	—	388,991	—	386,829
Zinc, manufactures of, n.o.p. ....	—	—	2,368,677	—	1,740,685
Alloys, n.o.p.:					
Babbitt metal in blocks, bars, plates and sheets .....	cwt.	484	21,558	258	20,914
Britannia metal, manufactures of, not plated .....	—	—	28,538	—	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.	106,360	234,495	294,312	244,473
Metal alloy slugs, cast, with diamonds or diamond clips embedded therein, as for the mould, and metal alloy strip .....	—	—	33,075	—	19,517
Phosphor tin and phosphor bronze, in blocks, bars, plates, sheets and wire .....	lb.	655,409	448,536	932,843	643,333
Alloys of copper .....	—	—	277,139	—	230,501
Alloys of magnesium .....	—	—	144,253	—	99,944
Type and type metal:					
Type metal, in blocks, bars, plates and sheets .....	lb.	2,368	471	13,845	2,526
Type for printing, including chases, quoins and slugs of all kinds .....	—	—	214,530	—	190,855

TABLE 12. Exports of Lead and Zinc and Their Products, 1953 and 1954

Item	1953		1954	
	Quantity	Value	Quantity	Value
		\$		\$
Lead in pigs, refined lead ..... cwt.	2,057,586	22,976,167	2,328,183	25,802,738
Lead scrap..... "	10,451	74,488	17,398	158,761
Lead pipe and tubing ..... "	1,262	29,205	549	10,719
Lead manufactures ..... —	—	24,937	—	22,974
Zinc spelter ..... cwt.	3,167,755	34,292,884	4,120,750	39,188,377
Zinc scrap, dross and ashes ..... "	83,667	355,477	102,271	364,866
Zinc, manufactures of ..... —	—	127,003	—	76,945

## Directory of Firms in the White Metal Alloys Industry, 1954

Name of firm	Location of plant
<b>Quebec:</b>	
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. ....	1201 Mill St., Montreal
Industrie Leadco, Limitée .....	5889 Des Érables St., Montreal
Kay Metals & Refining Works Ltd. ....	1126-8th Ave., Pointe aux Trembles
Lawson Machine Works Ltd. ....	5785 Boyer St., Montreal
Metals & Alloys, (Quebec) Limited .....	1611 Bercy St., Montreal
Montebello Metal Ltd. ....	Montebello
Montreal Materials Processing Co. Ltd. ....	5270 Arnoldi St., Montreal
National Die Castings Co. ....	503 Desjardins 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
<b>Ontario:</b>	
Barber Die Casting Co. Limited .....	Cor. Hillyard & Munroe Sts., Hamilton
Binkley, T., Die Casting Co. ....	175 Samuelson St., Galt
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
Dominion & Monarch Type Foundries .....	276 Parliament St., Toronto
Dominion Die Casting Ltd. ....	Heinz St., Wallaceburg
Dominion Magnesium Limited .....	Haley
Dundas Die Casters Ltd. ....	James St., Dundas
Federated Metals Canada Ltd. ....	Don Rdwy. & Eastern Ave., Toronto
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 and Renfrew
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
Prince & Smith Type Foundry .....	113 St. Patrick St., Toronto
Schultz Die Casting Co. of Canada Limited .....	Wallaceburg
Sun Tube Corp. of Canada Ltd. ....	145 Spruce St., Ottawa
Toronto Refiners & Smelters Ltd. ....	28 Bathurst St., Toronto
White Metal Die Castings .....	112 Ossington Ave., Toronto
<b>Manitoba:</b>	
Canada Metal Company Limited, The .....	301 Chambers St., Winnipeg
Diecast Products Ltd. ....	1085 Winnipeg Ave., Winnipeg
Union Metal Company Limited, The .....	654 McGee St., Winnipeg
<b>Alberta:</b>	
Canada Metal Company Ltd., The .....	5524-4th St. S.E., Calgary
<b>British Columbia:</b>	
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





STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010699427