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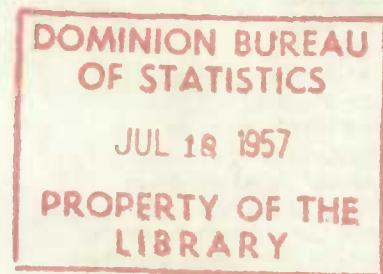
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NON-FERROUS METAL PRODUCTS

1955

General Review



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
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Metal and Chemical Products Section

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
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- VII — Textile Mills
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- IX — Clothing
- X — Wood and Paper Products
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- XII — Iron and Steel Products
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- 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¢

NON-FERROUS METAL PRODUCTS 1955

GENERAL REVIEW

The total gross value of output for the industries in the Non-ferrous Metal Products group was \$1,627 millions in 1955 compared with \$1,264 millions in 1954. Five of the industries showed increases in production over 1954 and only one showed a decrease, as follows: brass and copper products, up 37 per cent to \$216.5 millions; jewellery and silverware, up 2.6 per cent to \$48.0 millions; white metal products, up 25.9 per cent to \$62.5 millions; miscellaneous non-ferrous metal products, up 37.7 per cent to \$8.4 millions and non-ferrous metal smelting and refining, up 31.3 per cent to \$1,211.7 millions. The aluminum products group showed a decline of 0.9 per cent to \$79.8 millions. This decline, however, was largely due to the transfer of firms to other industrial groups.

For the group as a whole, there were 580 plants in operation in 1955 with 53,311 employees. Payments in salaries and wages during the year amounted to \$201 millions, materials for manufacturing cost \$975 millions and fuel and electricity cost \$62 millions.

Imports into Canada of non-ferrous metals and their products (except electrical apparatus) were valued at \$172 millions in 1955 compared with \$150 millions in 1954. Exports of Canadian-made goods were appraised at \$806 millions as against \$676 millions in 1954.

Note: Figures for value added by manufacture, shown in Tables 1 and 2, 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. Inventory data were not available for the non-ferrous metal smelting and refining industry, and therefore, the value added was calculated on the former basis for this industrial group.

TABLE 1. Principal Statistics for the Non-ferrous Metal Products Group, by Industries, 1951-1955

Year	Establishments	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
Aluminum products:							
1951	84	7,156	20,583,599	1,533,277	40,479,898	42,142,997	84,156,172
1952	88	7,295	23,657,893	1,663,171	44,015,385	43,969,019	89,647,575
1953	96	7,738	25,593,164	1,741,405	49,084,098	41,898,562	92,724,065
1954	99	7,003	23,814,217	1,686,960	46,270,718	33,475,069	80,523,167
1955	93	6,832	24,025,405	1,702,109	45,961,129	31,733,656	79,839,602
Brass and copper products:							
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	156	8,530	30,131,125	2,086,062	99,886,257	56,179,619	157,907,751
1955	157	8,864	32,274,041	2,189,532	150,395,034	64,086,451	216,500,000
Jewellery and silverware:							
1951	209	5,738	13,315,583	354,601	29,314,583	20,705,029	50,374,213
1952	215	5,548	13,486,371	358,193	22,612,299	22,135,745	45,106,237
1953	207	5,703	14,416,095	395,571	27,149,796	23,875,903	51,421,270
1954	217	5,074	13,487,379	386,005	23,986,439	22,183,114	46,792,579
1955	221	5,178	13,680,463	391,782	25,711,100	22,245,768	48,016,269
White metal products:							
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	56	3,303	10,444,634	795,903	29,671,943	19,892,113	49,823,446
1955	60	3,102	10,496,152	852,309	38,099,192	24,384,056	62,505,196
Miscellaneous non-ferrous metal products:							
1951	22	953	2,529,599	70,555	2,702,958	5,696,138	8,469,651
1952	24	538	1,376,968	69,961	2,123,585	3,045,640	5,239,186
1953	21	560	1,607,899	93,339	2,920,266	2,736,830	5,750,435
1954	23	536	1,717,996	110,952	2,835,061	3,165,981	6,148,876
1955	26	729	2,444,440	115,447	3,862,843	4,489,036	8,403,307
Non-ferrous metal smelting and refining:							
1951	17	22,814	75,474,505	44,684,200	553,658,940	262,972,790	861,315,930
1952	17	24,608	87,964,295	50,571,452	519,781,231	266,721,382	837,074,065
1953	18	25,115	94,545,611	52,594,155	508,116,759	310,207,228	870,918,142
1954	22	26,048	102,595,970	55,225,387	515,315,655	352,037,956	922,578,998
1955	23	28,606	118,189,378	56,948,510	710,762,890	444,005,081	1,211,716,481
Total:							
1951	536	50,114	150,733,704	49,569,569	794,400,266	406,367,933	1,250,337,768
1952	552	50,938	167,045,084	55,601,564	744,222,075	415,294,808	1,215,118,447
1953	551	52,058	178,710,057	57,702,408	726,128,115	458,180,471	1,242,010,994
1954	573	50,494	182,191,321	60,291,269	717,966,073	486,933,852	1,263,774,817
1955	580	53,311	201,109,879	62,199,689	974,792,188	590,944,048	1,626,980,855

1. See footnote to Text.

**TABLE 2. Principal Statistics for the Non-ferrous Metal Products Group,
by Provinces, 1951-1955**

Year	Estab- lish- ments	Em- ployees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Value added by manufacture ¹	Gross selling value of products
	No.	No.	\$	\$	\$	\$	\$
New Brunswick and Quebec:							
1951	159	16,935	50,039,692	26,707,282	283,256,974	129,646,211	439,610,467
1952	171	18,384	57,743,784	30,113,363	274,304,986	148,806,660	453,225,009
1953	179	18,940	64,119,873	32,318,564	287,231,896	166,594,900	486,145,360
1954	190	18,792	66,078,737	33,166,963	288,192,793	184,252,120	505,028,402
1955	188	19,405	73,061,392	34,041,933	435,650,285	193,426,183	663,518,906
Ontario:							
1951	306	27,692	82,906,847	18,990,839	322,748,682	256,892,371	598,631,892
1952	307	26,862	88,921,996	20,162,035	310,231,360	249,939,097	580,332,492
1953	297	27,601	94,430,303	20,288,943	327,921,987	262,042,313	610,253,243
1954	304	26,001	92,564,809	21,647,220	331,457,194	262,459,808	614,950,612
1955	310	26,709	98,456,533	21,162,508	420,976,114	319,600,466	760,620,623
Manitoba:							
1951	19	463	1,369,016	534,579	20,798,001	- 197,646	21,134,934
1952	17	682	2,344,399	844,662	13,522,793	1,947,981	16,315,436
1953	17	530	1,768,743	544,501	11,411,080	2,687,384	14,642,965
1954	16	470	1,634,354	523,968	6,441,387	6,534,419	13,397,633
1955	18	466	1,672,119	519,148	9,512,080	10,569,470	20,514,984
Saskatchewan and Alberta:							
1951	9	487	1,782,576	1,005,016	34,164,061	3,200,760	38,369,837
1952	10	385	1,498,587	1,533,650	25,975,725	10,028,908	37,538,283
1953	11	588	2,243,440	1,955,348	28,214,224	2,758,399	32,927,971
1954	15	831	3,333,665	2,216,337	14,592,238	21,752,484	38,523,346
1955	14	1,155	4,854,620	2,230,569	23,006,987	30,175,120	55,334,059
British Columbia and Yukon:							
1951	43	4,537	14,635,573	2,331,853	133,432,548	16,826,237	152,590,638
1952	47	4,625	16,536,318	2,947,854	120,187,211	4,572,162	127,707,227
1953	47	4,399	16,147,698	2,595,052	71,348,928	24,097,475	98,041,455
1954	48	4,400	18,579,756	2,736,781	77,282,461	11,935,021	91,874,824
1955	50	5,576	23,065,215	4,245,531	85,646,722	37,172,809	126,992,283
Canada:							
1951	536	50,114	150,733,704	49,469,569	794,400,266	406,367,933	1,250,337,768
1952	552	50,938	167,045,084	55,601,564	744,222,075	415,294,808	1,215,118,447
1953	551	52,058	178,710,057	57,702,408	726,128,115	458,180,471	1,242,010,994
1954	573	50,494	182,191,321	60,291,269	717,966,073	486,933,852	1,263,774,817
1955	580	53,311	201,109,879	62,199,689	974,792,188	590,944,048	1,626,980,855

1. See footnote to Text.

NON-FERROUS METAL PRODUCTS

TABLE 3. Inventories¹, 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
(a) By industries				
Opening:				
Aluminum products	4,075,259	4,565,053	3,527,622	12,167,934
Brass and copper products	9,031,661	5,978,865	6,551,101	21,561,627
White metal products	3,534,938	1,046,127	2,530,756	7,111,821
Jewellery and silverware	6,154,528	2,728,084	4,790,968	13,673,580
Non-ferrous smelting and refining	2	2	2	2
Miscellaneous	907,926	147,091	473,645	1,528,662
Total	23,704,312	14,465,220	17,874,092	56,043,624
Closing:				
Aluminum products	3,689,809	4,873,724	3,084,914	11,648,447
Brass and copper products	11,549,063	7,764,969	6,722,118	26,036,150
White metal products	4,473,691	1,118,883	3,361,117	8,953,691
Jewellery and silverware	6,429,190	3,121,168	5,123,349	14,673,707
Non-ferrous smelting and refining	2	2	2	2
Miscellaneous	804,145	258,380	537,664	1,600,189
Total	26,945,898	17,137,124	18,829,162	62,912,184
(b) By provinces³				
Opening:				
New Brunswick and Quebec	6,984,872	5,044,399	5,872,971	17,902,242
Ontario	15,796,819	9,183,452	11,169,621	36,149,892
Manitoba	356,890	107,025	269,032	732,947
Saskatchewan and Alberta	161,351	10,005	61,640	232,996
British Columbia and Yukon	404,380	120,339	500,828	1,025,547
Canada	23,704,312	14,465,220	17,874,092	56,043,624
Closing:				
New Brunswick and Quebec	7,228,666	5,951,788	5,472,466	18,652,920
Ontario	18,771,821	10,919,866	12,288,086	41,979,773
Manitoba	396,095	100,536	354,746	851,377
Saskatchewan and Alberta	119,584	9,663	140,257	269,504
British Columbia and Yukon	429,732	155,271	573,607	1,158,610
Canada	26,945,898	17,137,124	18,829,162	62,912,184

1. Book value of all manufacturing inventories owned and held at plant and plant warehouses.

2. Not available.

3. Excludes data for Non-ferrous smelting and refining industry which were not collected.

**TABLE 4. Employees and Their Earnings in the Non-ferrous Metal Products Group,
1954 and 1955**

	Average number of employees						Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female		\$	\$		
1954									
(a) By industries:									
Aluminum products	1,621	857	4,222	303	7,003	9,730,786	14,083,431	23,814,217	
Brass and copper products ..	1,322	549	6,238	421	8,530	8,254,573	21,876,552	30,131,125	
White metal products	493	170	2,122	518	3,303	2,766,766	7,677,868	10,444,634	
Jewellery and silverware.....	695	432	2,477	1,470	5,074	3,785,507	9,701,872	13,487,379	
Non-ferrous smelting and re-fining	3,604	578	21,817	49	26,048	20,171,958	82,424,012	102,595,970	
Miscellaneous	120	48	267	101	536	768,599	949,397	1,717,996	
Total	7,855	2,634	37,143	2,862	50,494	45,478,189	136,713,132	182,191,321	
(b) By provinces:									
New Brunswick and Quebec	3,202	1,015	13,758	817	18,792	17,564,723	48,514,014	66,078,737	
Ontario	3,692	1,391	18,927	1,991	26,001	21,841,454	70,723,355	92,564,809	
Manitoba	65	12	387	6	470	338,580	1,295,774	1,634,354	
Saskatchewan and Alberta....	120	13	698	—	831	639,653	2,694,012	3,333,665	
British Columbia and Yukon	776	203	3,373	48	4,400	5,093,779	13,485,977	18,579,756	
Canada	7,855	2,634	37,143	2,862	50,494	45,478,189	136,713,132	182,191,321	
1955									
(a) By industries:									
Aluminum products	1,660	843	4,029	300	6,832	10,315,674	13,709,731	24,025,405	
Brass and copper products ..	1,366	580	6,411	507	8,864	8,604,280	23,669,781	32,274,041	
White metal products	492	181	1,922	507	3,102	3,093,769	7,402,383	10,496,152	
Jewellery and silverware.....	633	440	2,592	1,513	5,178	3,879,611	9,800,852	13,680,463	
Non-ferrous smelting and re-fining	3,954	647	23,956	49	28,606	23,771,907	94,417,471	118,189,378	
Miscellaneous	170	121	300	138	729	1,237,564	1,206,876	2,444,440	
Total	8,275	2,812	39,210	3,014	53,311	50,902,785	150,207,094	201,109,879	
(b) By provinces:									
New Brunswick and Quebec	3,402	1,047	14,089	867	19,405	20,513,073	52,548,319	73,061,392	
Ontario	3,757	1,489	19,376	2,087	26,709	23,716,122	74,740,411	98,456,533	
Manitoba	65	15	380	6	466	372,680	1,299,439	1,672,119	
Saskatchewan and Alberta....	174	25	956	—	1,155	964,453	3,890,167	4,854,620	
British Columbia and Yukon	877	236	4,409	54	5,576	5,336,457	17,728,758	23,065,215	
Canada	8,275	2,812	39,210	3,014	53,311	50,902,785	150,207,094	201,109,879	

NON-FERROUS METAL PRODUCTS

TABLE 5. Production Workers (Wage-earners) in the Non-ferrous Metal Products Group,
by Months and by Industries, 1954 and 1955

Month	Aluminum products	Brass and copper products	White metal products	Jewellery and silverware	Non-ferrous smelting and refining	Miscellaneous	Total
Number							
1954							
January	4, 639	7, 014	2, 613	4, 014	20, 668	331	39, 306
February	4, 603	6, 827	2, 608	4, 045	20, 660	332	39, 075
March	4, 580	6, 782	2, 665	3, 964	20, 933	327	39, 251
April	4, 500	6, 708	2, 702	3, 765	21, 121	320	39, 116
May	4, 541	6, 896	2, 662	3, 703	21, 480	316	39, 398
June	4, 546	6, 852	2, 736	3, 660	21, 800	338	39, 732
July	4, 532	6, 616	2, 717	3, 815	22, 507	438	40, 625
August	4, 565	6, 540	2, 617	4, 000	22, 873	420	41, 015
September	4, 563	6, 534	2, 643	4, 109	22, 667	414	40, 930
October	4, 503	6, 487	2, 583	4, 163	22, 612	394	40, 742
November	4, 423	6, 460	2, 583	4, 118	22, 553	391	40, 528
December	4, 259	6, 426	2, 525	3, 939	22, 504	388	40, 041
Average	4, 525	6, 659	2, 640	3, 947	21, 866	368	40, 005
1955							
January	4, 208	6, 589	2, 337	3, 925	22, 864	413	40, 336
February	4, 253	6, 595	2, 360	3, 933	22, 930	403	40, 474
March	4, 268	6, 651	2, 344	3, 880	23, 112	403	40, 658
April	4, 300	6, 644	2, 401	3, 808	23, 081	420	40, 654
May	4, 361	6, 750	2, 338	3, 756	23, 800	410	41, 415
June	4, 378	6, 933	2, 385	3, 791	24, 394	472	42, 353
July	4, 369	6, 873	2, 343	3, 964	24, 794	458	42, 801
August	4, 452	6, 967	2, 425	4, 160	24, 872	476	43, 352
September	4, 483	7, 165	2, 527	4, 381	25, 013	465	44, 034
October	4, 370	7, 285	2, 574	4, 422	24, 637	465	43, 753
November	4, 304	7, 335	2, 594	4, 329	24, 462	464	43, 488
December	4, 253	7, 209	2, 550	4, 139	24, 057	452	42, 660
Average	4, 329	6, 918	2, 429	4, 103	24, 005	438	42, 224

**TABLE 6. Production Workers (Wage-earners) in the Non-ferrous Metal Products Group,
by Months and by Provinces, 1954 and 1955**

Month	New Brunswick and Quebec	Ontario	Manitoba	Saskat- chewan and Alberta	British Columbia and Yukon	Total
Number						
1954						
January	14,278	21,142	421	505	2,960	39,306
February	14,197	20,955	422	510	2,991	39,075
March	14,346	20,915	425	561	3,004	39,251
April	14,391	20,703	394	638	2,990	39,116
May	14,527	20,739	386	701	3,045	39,398
June	14,622	20,887	405	738	3,080	39,732
July	14,798	21,138	393	770	3,526	40,625
August	14,873	21,216	390	795	3,741	41,015
September	14,901	21,082	370	789	3,788	40,930
October	14,718	20,971	368	769	3,916	40,742
November	14,596	20,825	365	791	3,951	40,528
December	14,496	20,358	385	804	3,998	40,041
Average	14,575	20,918	393	698	3,421	40,005
1955						
January	14,368	20,608	386	865	4,109	40,336
February	14,531	20,612	374	886	4,071	40,474
March	14,645	20,637	368	893	4,115	40,658
April	14,630	20,705	373	938	4,008	40,654
May	14,929	20,892	381	1,004	4,209	41,415
June	15,246	21,347	384	1,012	4,364	42,353
July	15,220	21,665	385	1,011	4,520	42,801
August	15,341	22,000	391	1,021	4,599	43,352
September	15,385	22,291	397	984	4,977	44,034
October	15,323	22,183	404	963	4,880	43,753
November	15,184	22,094	392	954	4,864	43,488
December	14,697	21,780	390	938	4,855	42,660
Average	14,956	21,463	386	956	4,463	42,224

NON-FERROUS METAL PRODUCTS

TABLE 7. Alphabetical List of Materials Used in the Industries in the Non-ferrous Metal Products Group, 1954 and 1955

Material	1954		1955	
	Quantity	Cost at works	Quantity	Cost at works
Aluminum (except scrap):		\$		\$
Ingots.....	tons 86,205	33,101,878	95,115	39,242,358
Castings	" 217	315,187	69	106,457
Circles and forms for hollow-ware.....	" 1,787	1,410,285	1,748	1,423,252
Sheets	" 674	488,517	699	503,356
Strips	" 915	713,448	1,088	792,922
Rods	" 12,673	5,692,179	255	161,246
Tubing	" 204	258,473	141	194,275
Wire	" 58	68,564	47	54,142
Form not stated	" 2,859	2,236,424	3,447	2,884,976
Alloy die castings	" 2,586	681,188	3,938	1,162,014
Antimony	" 716	362,681	764	410,294
Arsenic — Metallic arsenic.....	lb. 28,292	3,840	29,563	3,804
Oxide, As ₂ O ₃	lb. 59,385	3,527	65,899	4,154
Beads for artificial or simulated pearls:				
Glass	—	264,927	—	255,506
Other	—	82,262	—	136,116
Bismuth	lb. 35,767	83,042	35,846	80,598
Brass and bronze (except scrap):				
Ingots.....	tons 10,672	5,413,867	11,604	7,704,182
Bars and rods	" 1,436	964,279	1,856	1,449,950
Castings	" 731	704,599	1,392	1,276,848
Plates, sheets and strips	" 1,101	874,875	1,333	1,312,515
Pipe and tubing	" 472	463,869	576	622,316
Wire	" 68	81,224	189	243,659
Form not stated	—	906,350	—	904,436
Britannia metal, including blanks for plating	—	142,570	—	148,662
Cadmium	lb. 8,419	14,667	114,085	207,683
Coke, foundry	tons 2,169	61,843	1,389	40,967
Copper (except scrap):				
Ingots, slabs, wire bars, etc.....	tons 99,789	59,173,857	133,964	99,382,728
Pipe and tubing	" 207	198,000	230	281,207
Plates, sheets and strips	" 897	778,937	635	709,381
Rods	" 11	10,631	21	26,327
Wire	" 292	243,111	253	247,968
Form not stated	—	488,748	—	534,896
Crucibles	—	84,616	—	81,066
Diamonds, for rings, etc.	—	2,093,119	—	2,296,047
Facings, foundry	tons 52	6,104	68	15,217
Glass linings and blanks, for silverware	—	230,559	—	238,480
Gold:				
Fine:				
New	—	3,520,131	—	3,959,226
Old	—	680,360	—	193,262
Old, for remelting or refining	—	384,290	—	344,136
Alloys	—	1,056,150	—	1,299,382
Gold-filled wire	—	137,150	—	138,030
Graphite	tons 24	11,769	19	9,269
Iridium	—	8,322	—	10,320
Iron, pig	tons 4,353	236,928	3,793	239,029
Jewellers' findings	—	800,815	—	868,924
Lead (except scrap):				
Pig:				
Pure	tons 17,652	4,474,620	23,309	6,612,513
Antimonial.....	" 1,345	402,475	1,398	439,827
Other forms	—	73,102	—	82,459
Lumber.....	M bd. ft. 395	36,649	421	49,866
Magnesium metal	tons 1,308	1,011,572	832	620,831
Manganese metal	" 106	65,626	34	20,936
Metals, other non-ferrous	—	1,469,206	—	2,040,718
Monel metal	tons 43	68,414	63	77,002
Nickel	" 1,210	1,483,529	1,232	1,765,630
Nickel-copper shot	" 14	15,725	13	17,837

TABLE 7. Alphabetical List of Materials Used in the Industries in the Non-ferrous Metal Products Group, 1954 and 1955 - Concluded

Material	1954		1955	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Nickel-silver, including blanks for plating	-	1,134,303	-	1,614,987
Palladium	-	279,963	-	230,026
Pearl essence	-	8,182	-	41,699
Platinum	-	1,016,684	-	579,060
Refractories	-	54,315	-	55,013
Resins, synthetic, and plastics	-	30,684	-	30,111
Rhodium	-	135,645	-	116,232
Rouge and other polishes	-	87,992	-	109,580
Sand:				
Foundry	tons 12,578	114,630	tons 10,078	103,190
Silica	" 3,085	30,278	" 1,257	12,990
Scrap:				
Aluminum	tons 8,075	2,099,348	tons 10,495	3,965,921
Babbitt	" 1,154	374,990	" 1,304	477,025
Brass and bronze	" 28,655	12,570,524	tons 30,725	17,018,395
Copper	" 13,498	6,709,674	" 8,149	5,541,689
Iron and steel	" 2,290	157,721	" 3,159	118,693
Lead:				
Battery plates and lugs	tons 22,941	3,383,118	tons 21,872	3,371,689
Cable	" 1,924	422,818	" 2,475	642,748
Dross	" 4,020	554,129	" 2,222	411,168
Other	" 4,791	1,096,370	" 4,824	1,273,037
Magnesium	-	190	-	10,185
Solder	tons 501	198,709	tons 785	361,944
Tin	" 37	41,943	" 45	53,479
Type metal	" 3,178	1,009,536	tons 3,373	1,219,143
Zinc	" 956	124,550	" 1,693	252,879
Zinc dross	" 1,459	185,710	tons 3,080	481,843
Other metals	" 2,023	523,554	" 462	141,838
Silicon metal	lb. 427,407	82,411	tons 307,090	61,775
Silver:				
Fine:				
Anodes	-	985,947	-	664,208
Other	-	2,057,884	-	2,379,698
Sterling	-	1,885,811	-	2,764,156
Other alloys	-	52,124	-	38,586
Stainless steel	-	734,843	-	1,312,741
Steel, other:				
Bars and rods	tons 453	135,413	tons 451	134,060
Cutlery	-	148,101	-	196,354
Plates, sheets and strip	tons 1,352	219,167	tons 1,671	308,790
Other	-	1,387,275	-	227,266
Stones, other semi-precious and precious	-	809,221	-	844,524
Tellurium	lb. 794	1,447	tons 740	1,369
Tin (except scrap):				
Ingots and slabs	tons 1,893	3,327,547	tons 2,312	4,341,851
Other forms	" 50	65,015	" 50	69,981
Trimmings, knobs, handles, etc., for kitchenware	-	434,849	-	329,342
Waste and scrap for remelting and refining	-	1,681,232	-	1,382,124
Watch parts	-	273,861	-	109,334
Zinc (except scrap):				
Ingots and slabs	tons 14,294	3,445,991	tons 19,993	5,430,175
Sheets	" 508	229,853	" 567	266,635
Other forms	-	62,044	-	88,662
Shipping containers and packing materials	-	2,448,534	-	2,515,138
Ores, concentrates, etc., for smelting and refining	-	515,315,655	-	710,762,890
All other materials	-	13,959,343	-	17,372,557
Amount paid out to others for work done on materials owned by plants in this group	-	1,257,865	-	1,026,206
Total	-	717,966,073	-	974,792,188

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1954 and 1955

Note: Figures for individual items do not necessarily represent total Canadian production as they may also have been made in plants classified to other groups.

Product		1954		1955	
		Quantity	Selling value at works	Quantity	Selling value at works
Alloys, die casting	lb.	9,616,804	\$ 1,381,839	9,251,463	1,441,943
Alloys, non-ferrous, not elsewhere specified	"	254,356	45,453	775,330	191,825
Aluminum:					
Bars and rods			(a)		(a)
Boot and shoe lasts			(a)		(a)
Bottle caps and seals			(a)		(a)
Castings (except die castings)	lb.	9,396,891	7,177,038	9,261,899	6,777,808
Conduit			(a)		(a)
Cooking utensils and other kitchen hollow-ware	"		7,530,510		6,376,189
Extruded shapes	lb.	14,140,284	7,096,502	20,219,533	10,951,207
Forgings			(a)		(a)
Hat dies and hat blocks			(a)		(a)
Ingots and wire bars:					
New	tons	557,897	(***)	612,543	(***)
Remelt	lb.	2,797,593	563,725	3,913,535	1,015,302
Secondary (reclaimed from scrap)	"	13,809,290	2,334,795	14,067,516	3,506,553
Nails			(a)		(a)
Patterns and match plates	"		16,300		152,069
Powder			(a)		(a)
Rivets			(a)		(a)
Roofing			(a)		(a)
Scrap			1,026,874		750,543
Sheets			(a)		(a)
Stampings and spinnings, not elsewhere specified	"		210,074		323,509
Tubing			(a)		(a)
Window sash and frames			(a)		(a)
Other aluminum goods, including values for items marked (a) which were reported by only one or two concerns in this group	"		54,422,208		46,400,653
Anodes, for plating			(***)		(***)
Architectural work of brass, bronze, copper or iron	"		602,513		165,735
Babbitt metal	lb.	2,036,194	904,776	2,848,263	1,206,608
Brass and bronze:					
Bars and rods			(b)		(b)
Castings	lb.	28,215,607	12,634,035	29,703,372	15,302,889
Ingots	"	30,837,460	7,543,110	22,928,777	7,765,451
Powder			(b)		(b)
Scrap	lb.	1,186,219	256,908	815,994	262,243
Sheets, plates and strips			(b)		(b)
Other forms, including values for items marked (b)	"		26,084,685		37,943,259
Copper:					
Alloys, not elsewhere specified	lb.	693,313	290,334	445,234	462,917
Castings	"	130,807	92,870	201,559	143,249
Ingots, wire bars, etc., made in primary refineries	tons	253,365	147,762,632	288,997	215,276,770
Pipe and tubing			(c)		(c)
Plates and sheets			(c)		(c)
Scrap	lb.	1,273,822	335,396	1,829,482	676,895
Wire rods			(c)		(c)
Other forms, including values for items marked (c)	"		66,382,982		102,891,190
Cadmium metal	lb.	794,296	1,350,703	1,709,241	2,541,498
Castings:					
Die:					
Aluminum base	lb.	1,894,646	1,582,201	2,315,576	1,839,013
Zinc base	"	10,583,984	5,605,248	18,511,226	9,230,123
Other	"		53,284		124,529
Grey iron	"		211,214		129,785
Other, not elsewhere specified	"		854,853		1,288,469
Church goods (chalices, etc.)	"		85,010		87,674
Dies	"		336,249		380,769
Emblems, badges and medals	"		712,793		724,260

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1954 and 1955 — Continued

Note: Figures for individual items do not necessarily represent total Canadian production as they may also have been made in plants classified to other groups.

Product	1954		1955	
	Quantity	Selling value at works	Quantity	Selling value at works
Fasteners, metal.....		\$ (***)		\$ (***)
Fire extinguishers and extinguishing systems.....	—	2,463,081	—	3,022,328
Flatware and cutlery:				
Not plated	—	761,852	—	831,275
Silver-plated	—	6,159,148	—	6,155,926
Sterling silver	—	2,186,820	—	2,181,577
Foils (lead, tin, aluminum, etc.)	—	6,711,360	—	9,723,874
Gauges, pressure and vacuum.....		(***)		(***)
Glassware, decorated and cut.....		(***)		(***)
Gold:				
Fine gold (for sale), recovered from old gold, sweepings, etc.	—	457,065	—	458,454
Fine gold, purchased as such and only melted and rolled or otherwise prepared, without alloying, for resale to the arts and industries	—	403,348	—	367,879
Gold alloys	—	3,168,358	—	2,850,307
Gold leaf	—	(***)	—	(***)
Gold-filled wire and other gold-filled stock	—	507,042		412,019
Hardware:				
Builders'	—	9,657	—	40,657
Furniture and cabinet	—	3,500	—	4,775
Other	—	70,043	—	49,740
Hollow-ware:				
Silver-plated on brass or copper.....	—	1,363,564	—	1,504,866
Silver-plated on Britannia metal.....	—	74,665	—	82,045
Silver-plated on lead alloy	—	151,950	—	130,133
Silver-plated on nickel-silver	—	8,609	—	14,253
Sterling silver	—	324,725	—	272,454
Hollow-ware and spinnings, brass, bronze, copper, steel and monel.....	—	30,861	—	70,866
Hydrants		(***)		(***)
Jewellery:				
Of gold, silver and other metals (including stones)	—	17,344,999	—	17,445,417
Of plastics or other non-metallic materials	—	219,766	—	770,433
Lamps and lanterns, marine, portable and railway.....		(***)		(***)
Lead:				
Alloys, not elsewhere specified.....	lb.	1,575,938	367,359	1,183,076
Bars or ingots (antimonial):				
Primary (made from virgin metal)	"	7,569,601	1,063,192	10,028,200
Secondary (reclaimed from scrap).....	"	30,389,808	4,155,456	35,074,764
Bars or ingots (pure):				
New — produced in primary refineries.....	tons	166,005	38,214,450	148,811
Remelted in secondary refineries	lb.	2,535,113	393,302	5,324,405
Secondary (reclaimed from scrap).....	"	8,070,768	1,161,062	7,032,852
Castings	"	506,665	233,793	521,642
Pipe	"	2,728,420	639,901	2,889,346
Sheet	"	4,883,012	1,020,341	5,729,644
Traps and fittings	"	1,544,180	570,145	2,510,648
Wire			(d)	(d)
Miscellaneous lead products, including value for items marked (d)	—	—	235,196	—
Lead, red			(***)	(***)
Lightning rods and supplies	—	—	336,241	—
Litharge			(***)	(***)
Magnesium:				
Castings	—	—	3,851,507	—
Other magnesium products	—	—	(***)	—
Mantels, incandescent			(***)	(***)
Maple sugar equipment			(***)	(***)
Meters and meter parts, gas and water			(***)	(***)

NON-FERROUS METAL PRODUCTS

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1954 and 1955 - Continued

Note: Figures for individual items do not necessarily represent total Canadian production as they may also have been made in plants classified to other groups.

Product	1954		1955	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
Nickel in matte, oxides and salts, and refined nickel tons	161,279	180,173,392	174,928	215,866,007
Nickel-silver:				
Plates and sheets		(***)		(xxx)
Other forms		(***)		(xxx)
Pearls, artificial or simulated	-	937,947	-	943,828
Platinum:				
Crucibles	-			
Electrodes	-			1,018,906
Other manufactures	-			
Platinum, palladium, etc., in refinery residues and matte	-	20,906,556	-	23,069,365
Plumbers' brass fittings:				
Closet tank fittings	-	329,216	-	445,610
Lavatory and bath faucets, lavatory combinations	-	1,258,680	-	1,685,691
Sink faucets and sink combinations	-	1,483,782	-	1,822,745
Stops, and stop and drains	-	987,705	-	1,097,462
Traps, drains, supplies and other tubular fittings	-	1,502,438	-	1,790,201
Tub-fitters, showers, and combinations of same	-	1,204,583	-	1,638,602
Any other brass plumbing fittings	-	3,502,142	-	3,709,041
Plumbing fixtures, cast iron	-	371,810	-	413,439
Pot scourers	-	546,265	-	553,728
Precious metal salts		(***)		(xxx)
Railway car bearings and fittings, brass and bronze	-	3,050,726	-	997,395
Scrap and dross sold	-	1,748,558	-	3,104,031
Selenium	lb. 298,479	1,492,395	421,588	3,511,932
Shot, dropped or moulded		(***)		(xxx)
Silver:				
Fine silver (for sale), recovered from sweepings, etc.	-	330,708	-	344,321
Fine silver, purchased as such and only melted and rolled or otherwise prepared, without alloying, for resale to the arts and industries	-	569,822	-	715,866
Sterling silver	-	1,433,709	-	1,533,572
Sterling silver, purchased as such and only melted, rolled, etc., for resale	-	173,743	-	170,193
Other silver alloys	-	712,925	-	981,410
Other silver alloys, purchased as such and only melted, rolled, etc., for resale	-	1,000	-	1,000
Solders	lb. 10,356,093	4,591,640	12,814,019	5,764,065
Smelter and refinery products, not elsewhere specified	-	291,081,080	-	305,048,035
Steam boiler trimmings, including guage cocks and water gauge mountings	-	149,034	-	98,180
Stellite and stellite products	-	(***)		(xxx)
Sweeps, jewellers', prepared	-	263,988	-	270,362
Tanks, composition closet	-	(***)		(xxx)
Tanks, kettles and coils for breweries	-	1,003,685	-	781,549
Tellurium	lb. 7,990	13,982	-	11,416
Terrazzo stripping, brass, zinc, magnesium		(***)		(xxx)
Tin:				
Alloys, not elsewhere specified		(***)		(xxx)
New - produced in primary refineries	lb. -	-	101,553	96,221
Remeeted in secondary refineries	lb. 9,557	10,116	55,434	57,322
Secondary (reclaimed from scrap)	" 147,147	57,002	36,680	36,736
Toileware and dresserware:				
Sterling silver	-	279,443	-	218,609
Other metals	-	157,636	-	178,158
Trophies	-	477,499	-	604,238
Tubes, collapsible	-	(***)		(xxx)
Type and type metal	lb. 8,149,079	1,732,508	7,793,843	1,896,568

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1954 and 1955 — Concluded

Note: Figures for individual items do not necessarily represent total Canadian production as they may also have been made in plants classified to other groups.

Product	1954		1955	
	Quantity	Selling value at works	Quantity	Selling value at works
Valves:		\$		\$
Brass or bronze (gate, globe, check, etc.)	—	3,660,417	—	4,463,903
Corporation brass (main and curb stops, etc.)	—	994,922	—	1,297,299
Radiator valves (all types)	—	486,559	—	512,581
Iron body (gate, globe, check, etc.)	—	2,995,619	—	3,404,558
Pressure regulators and relief valves	—	176,633	—	207,497
Steel	—	261,281	—	211,371
Watch cases	—	378,882	—	330,767
Watches:				
Wrist	—	581,961	—	399,587
Weatherstripping	—	266,435	—	390,978
Zinc:				
Alloys not elsewhere specified	lb.	674,028	98,921	650,355
Castings	"	10,979	5,821	6,134
Dust			(***)	(***)
Bars, slabs, etc.:				
New — produced in primary refineries	tons	213,775	42,032,208	256,542
Remelted in secondary refineries	lb.	49,466	9,026	74,906
Secondary (reclaimed from scrap).	"	3,281,787	353,788	5,500,454
All other products	—	—	19,582,153	—
Products reported by only one or two concerns (items marked (***)) above)	—	—	215,181,260	—
Amount received in payment for repair and custom work	—	—	2,799,943	—
Total	—	—	1,263,774,817	—
				1,626,980,855

TABLE 9. Capital and Repair Expenditures in the Non-ferrous Metal Products Group, 1954 and 1955

Industry	Capital expenditures		Sub-total	Repair expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
\$'000							
1954							
Aluminum products	182	1,049	1,231	395	2,485	2,880	4,111
Brass and copper products	533	3,006	3,539	617	2,647	3,264	6,803
White metal products	1	1	994	149	709	858	1,852
Jewellery and silverware	123	450	573	103	389	492	1,065
Non-ferrous smelting and refining	19,522	27,712	47,234	7,334	33,333	40,667	87,901
Miscellaneous	1	1	104	1	1	108	212
Total	20,360	32,217	53,675	8,598	39,563	48,269	101,944
1955							
Aluminum products	232	1,122	1,354	306	2,518	2,824	4,178
Brass and copper products	948	2,281	3,229	625	2,751	3,376	6,605
White metal products	616	1,033	1,649	1	1	835	2,484
Jewellery and silverware	500	613	1,113	103	400	503	1,616
Non-ferrous smelting and refining	34,273	40,485	74,758	6,948	36,314	43,262	118,020
Miscellaneous	236	190	426	1	1	115	541
Total	36,805	45,724	82,529	7,982	41,983	50,915	133,444

Note: Data shown for 1954 and 1955 in above table are final figures and therefore, differ to some extent from the preliminary figures shown in the bulletins for the individual industries.

1. Breakdown not available for publication as one of constituent parts of total under \$100,000.

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