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NON-FERROUS METAL PRODUCTS

1954

General Review

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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, 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
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- 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¢

NON-FERROUS METAL PRODUCTS 1955

General Review

The total gross value of output for the industries in the Non-ferrous Metal Products group was \$1,264 millions in 1954 compared with \$1,242 millions in 1953. Two of the industries showed increases in production over 1953 and four showed decreases, as follows: miscellaneous non-ferrous metal products, up 7 per cent to \$6.1 millions; non-ferrous metal smelting and refining, up 6 per cent to \$923 millions; aluminum products, down 13 per cent to \$81 millions; brass and copper products, down 7 per cent to \$158 millions; jewellery and silverware, down 9 per cent to \$47 millions and white metal products, down 1 per cent to \$50 millions.

For the group as a whole there were 573 plants in operation in 1954 with 50,494 employees. Payments in salaries and wages during the year amounted to \$182 millions, materials for manufacturing cost \$718 millions and fuel and electricity cost \$60 millions.

Imports into Canada of non-ferrous metals and their products (except electrical apparatus) were valued at \$150 millions in 1954 compared with \$166 millions in 1953. Exports of Canadian-made goods of this class were appraised at \$676 millions as against \$644 millions in 1953.

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, 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. 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.

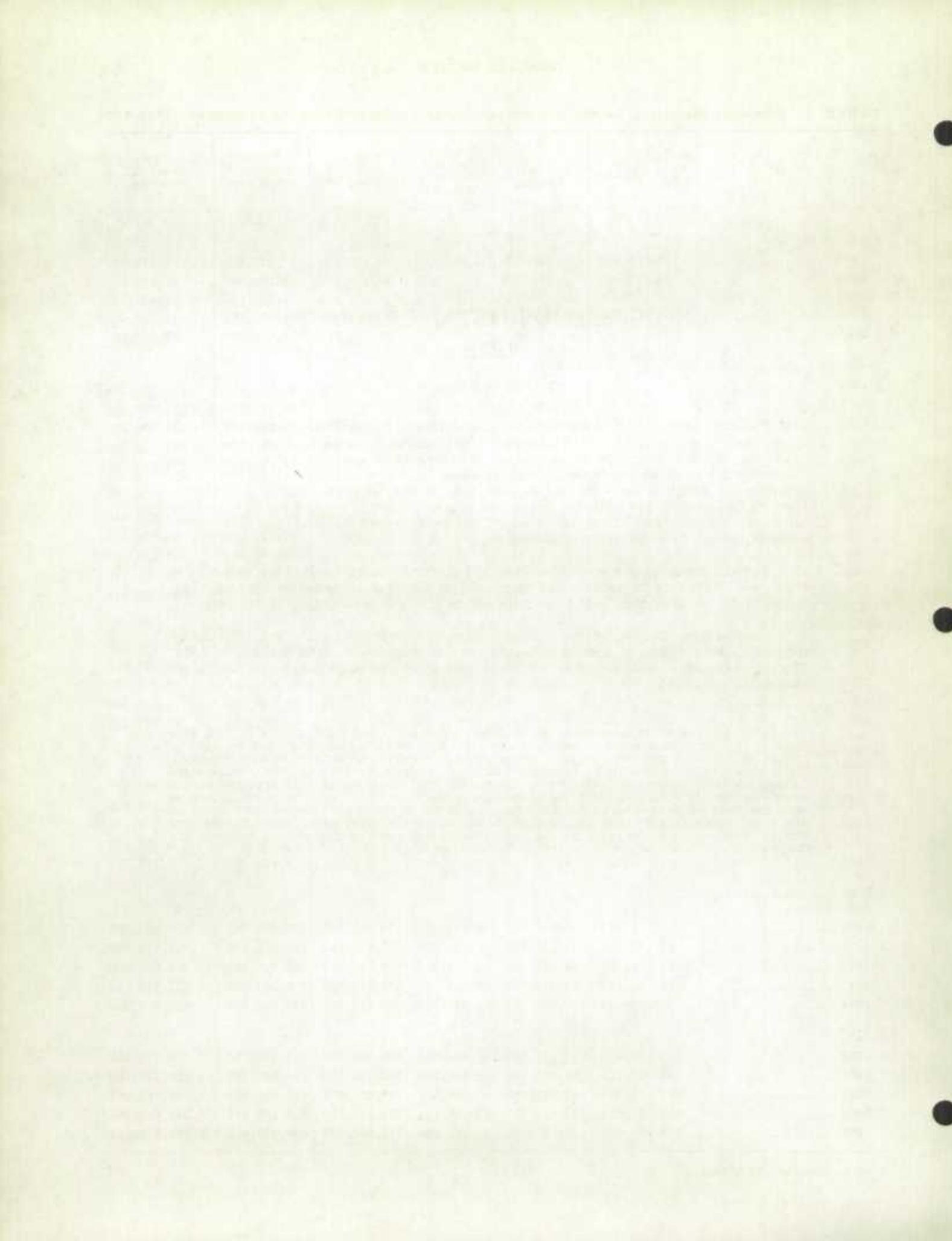


TABLE 1. Principal Statistics for the Non-ferrous Metal Products Group, by Industries, 1950-1954

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:							
1950.....	79	5,434	13,990,132	1,088,172	29,005,550	25,278,370	55,372,092
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	41,892,562	92,724,065
1954.....	99	7,003	23,814,217	1,686,960	46,270,718	33,475,069	80,523,167
Brass and copper products:							
1950.....	155	8,932	22,893,180	1,808,704	82,380,983	42,010,862	126,200,549
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
Jewellery and silverware:							
1950.....	218	6,299	13,784,710	320,294	30,210,609	22,779,637	53,310,540
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
White metal products:							
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
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
Miscellaneous non-ferrous metal products:							
1950.....	19	595	1,498,865	38,148	1,235,327	2,611,962	3,885,437
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
Non-ferrous metal smelting and refining:							
1950.....	17	19,863	58,748,362	38,473,238	428,697,787	202,711,781	669,882,806
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
Total:							
1950.....	536	44,680	119,535,596	42,520,636	606,691,788	311,539,390	960,751,814
1951.....	536	50,114	150,733,704	49,369,569	794,400,266	406,367,933	1,250,337,768
1952.....	552	50,938	167,045,084	55,601,364	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

1. See footnote to text.

NON-FERROUS METAL PRODUCTS

TABLE 2. Principal Statistics for the Non-ferrous Metal Products Group,
by Provinces, 1950-1954

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 ¹
	No.	No.	\$	\$	\$	\$	\$
New Brunswick and Quebec:							
1950	162	14,581	37,788,638	22,019,271	223,408,988	113,682,996	359,111,255
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
Ontario:							
1950	307	24,844	66,645,065	16,968,917	249,272,872	184,875,702	451,117,491
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	530,332,492
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
Manitoba:							
1950	19	498	1,299,978	499,048	18,291,247	1,646,758	20,437,053
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
Saskatchewan and Alberta:							
1950	7	373	1,164,988	613,952	22,622,321	2,403,200	25,639,473
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
British Columbia and Yukon:							
1950	41	4,384	12,636,927	2,419,448	93,096,360	8,930,734	104,446,542
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
Canada:							
1950	536	44,680	119,535,596	42,520,636	606,691,788	311,539,390	960,751,814
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

1. See footnote to text.

**TABLE 3. Employees and Their Earnings in the Non-ferrous Metal Products Group,
1953 and 1954**

—	Average number of employees						Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
1953						\$	\$	\$	
(a) By industries:									
Aluminum products	1,565	861	4,983	329	7,738	9,439,706	16,153,458	25,593,164	
Brass and copper products	1,315	569	6,917	500	9,301	8,049,906	23,489,864	31,539,770	
White metal products	520	188	2,370	563	3,641	2,765,200	8,242,318	11,007,518	
Jewellery and silverware	660	466	2,820	1,757	5,703	3,833,903	10,582,192	14,416,095	
Non-ferrous smelting and refining	3,558	566	20,942	49	25,115	17,530,010	77,015,601	94,545,611	
Miscellaneous	107	49	310	94	560	675,285	932,614	1,607,899	
Total	7,725	2,699	38,342	3,292	52,058	42,294,010	136,416,047	178,710,057	
(b) By provinces:									
New Brunswick and Quebec	3,102	1,017	13,844	977	18,940	17,008,696	47,111,177	64,119,873	
Ontario	3,625	1,463	20,259	2,254	27,601	20,774,672	73,655,631	94,430,303	
Manitoba	65	17	436	12	530	344,499	1,424,244	1,768,743	
Saskatchewan and Alberta	56	3	527	2	588	291,988	1,951,452	2,243,440	
British Columbia and Yukon	877	199	3,276	47	4,399	3,874,155	12,273,543	16,147,698	
Canada	7,725	2,699	38,342	3,292	52,058	42,294,010	136,416,047	178,710,057	
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 refining	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	

**TABLE 4. Production Workers (Wage-earners) in the Non-ferrous Metal Products Group,
by Months and by Industries, 1953 and 1954**

Month	Aluminum products	Brass and copper products	White metal products	Jewellery and silverware	Non-ferrous smelting and refining	Miscellaneous	Total
Number							
1953							
January	5,372	7,395	2,808	4,599	20,559	362	41,095
February	5,451	7,404	2,911	4,643	20,535	366	41,310
March	5,430	7,557	2,867	4,664	20,531	357	41,406
April	5,369	7,593	2,933	4,607	20,654	365	41,521
May	5,390	7,497	3,010	4,506	20,974	359	41,736
June	5,464	7,439	2,987	4,473	21,211	370	41,944
July	5,363	7,333	2,964	4,467	21,425	420	41,972
August	5,418	7,406	2,989	4,562	21,346	436	42,157
September	5,377	7,546	3,048	4,637	21,241	460	42,309
October	5,268	7,448	2,982	4,713	21,181	462	42,054
November	5,113	7,473	2,859	4,672	21,107	456	41,680
December	4,682	7,361	2,810	4,450	21,015	423	40,741
Average	5,312	7,417	2,933	4,577	20,991	404	41,634
1954							
January	4,639	7,014	2,613	4,041	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	6,696	2,662	3,703	21,480	316	39,398
June	4,546	6,652	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

**TABLE 5. Production Workers (Wage-earners) in the Non-ferrous Metal Products Group,
by Months and by Provinces, 1953 and 1954**

Month	New Brunswick and Quebec	Ontario	Manitoba	Saskat- chewan and Alberta	British Columbia and Yukon	Total
Number						
1953						
January	14,599	22,260	435	516	3,285	41,095
February	14,676	22,410	439	508	3,277	41,310
March	14,661	22,460	450	509	3,326	41,406
April	14,714	22,460	454	538	3,355	41,521
May	14,806	22,582	458	556	3,334	41,736
June	14,915	22,653	462	569	3,345	41,944
July	14,934	22,684	457	538	3,359	41,972
August	15,047	22,799	462	529	3,320	42,157
September	15,188	22,820	452	525	3,324	42,309
October	14,991	22,780	434	522	3,327	42,054
November	14,781	22,623	438	519	3,319	41,680
December	14,526	21,956	442	516	3,301	40,741
Average	14,821	22,513	448	529	3,323	41,634
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

TABLE 6. Alphabetical List of Materials Used in the Industries in the Non-ferrous Metal Products Group, 1953 and 1954

Material	1953		1954	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Aluminum (except scrap):				
Ingots	tons	'1,340	35,275,116	86,205
Castings	"	226	494,911	217
Circles and forms for hollow-ware	"	2,246	1,748,171	1,787
Sheets	"	849	633,943	674
Strips	"	917	689,865	915
Rods	"	12,025	5,589,254	12,673
Tubing	"	138	181,127	204
Wire	"	87	97,740	58
Form not stated	"	3,834	2,906,573	2,859
Alloy die castings	"	2,537	770,696	2,586
Antimony	"	783	357,416	716
Arsenic — Metallic arsenic	lb.	36,515	4,021	28,292
Oxide, As ₂ O ₃	lb.	50,178	3,146	59,385
Beads for artificial or simulated pearls:				
Glass	—	—	153,681	—
Other	—	—	155,931	—
Bismuth	lb.	42,422	96,427	35,767
Brass and bronze (except scrap):				
Ingots	tons	12,661	5,767,488	10,672
Bars and rods	"	2,148	1,431,003	1,436
Castings	"	896	836,754	731
Plates, sheets and strips	"	898	803,234	1,101
Pipe and tubing	"	992	968,637	472
Wire	"	65	69,361	68
Form not stated	—	—	732,259	—
Britannia metal, including blanks for plating	—	—	179,367	—
Cadmium	lb.	21,342	35,989	8,419
Coke, foundry	tons	2,631	72,761	2,169
Copper (except scrap):				
Ingots, slabs, wire bars, etc.	tons	105,425	63,493,678	99,789
Pipe and tubing	"	286	269,641	207
Plates, sheets and strips	"	591	539,912	897
Rods	"	30	30,054	11
Wire	"	272	248,885	292
Form not stated	—	—	616,685	—
Crucibles	—	—	92,197	—
Diamonds, for rings, etc.	—	—	2,125,246	—
Facings, foundry	tons	95	16,862	52
Glass linings and blanks, for silverware	—	—	125,512	—
Gold:				
Fine:				
New	—	—	3,839,973	—
Old	—	—	590,562	—
Old, for remelting or refining	—	—	581,917	—
Alloys	—	—	1,332,022	—
Gold-filled wire	—	—	223,856	—
Graphite	tons	23	9,403	24
Iridium	—	—	12,637	—
Iron, pig	tons	4,075	252,193	4,353
Jewellers' findings	—	—	1,066,712	—
Lead (except scrap):				
Pig:				
Pure	tons	20,270	5,100,176	17,652
Antimonial	"	1,351	377,362	1,345
Other forms	—	—	198,853	—
Lumber	M bd. ft.	523	45,642	395
Magnesium metal	tons	1,414	1,213,456	1,308
Manganese metal	"	91	53,952	106
Metals, other non-ferrous	—	—	2,206,000	—
Monel metal	tons	43	64,719	43
Nickel	"	872	1,024,905	1,210
Nickel-copper shot	"	23	16,652	14

TABLE 6. Alphabetical List of Materials Used in the Industries in the Non-ferrous Metal Products Group, 1953 and 1954 — Concluded

Material	1953		1954	
	Quantity	Cost at works	Quantity	Cost at works
Nickel-silver, including blanks for plating	—	\$ 1,612,686	—	1,134,303
Palladium	—	204,621	—	279,963
Pearl essence	—	8,006	—	8,182
Platinum	—	1,142,002	—	1,016,684
Refractories	—	56,833	—	54,315
Resins, synthetic, and plastics	—	49,336	—	30,684
Rhodium	—	140,652	—	135,645
Rouge and other polishes	—	133,592	—	87,992
Sand:		\$		\$
Foundry	tons 14,743	108,767	12,578	114,630
Silica	" 1,896	14,393	3,085	30,278
Scrap:				
Aluminum	tons 8,908	2,453,032	8,075	2,099,348
Babbitt	" 1,135	450,671	1,154	374,990
Brass and bronze	" 32,699	14,865,277	28,655	12,570,524
Copper	" 11,148	5,965,847	13,498	6,709,674
Iron and steel	" 2,498	178,884	2,290	157,721
Lead:				
Battery plates and lugs	tons 15,908	2,115,059	22,941	3,383,118
Cable	" 2,776	615,872	1,924	422,818
Dross	" 3,413	552,440	4,020	554,129
Other	" 3,235	686,965	4,791	1,096,370
Magnesium	—	26	—	190
Solder	tons 818	398,698	501	198,709
Tin	" 23	34,359	37	41,943
Type metal	" 2,921	940,970	3,178	1,009,536
Zinc	" 978	127,534	956	124,550
Zinc dross	" 1,629	217,174	1,459	185,710
Other metals	" 562	173,610	2,023	523,554
Silicon metal	lb. 63,356	12,399	427,407	82,411
Silver:				
Fine:				
Anodes	—	800,393	—	985,947
Other	—	2,570,482	—	2,057,884
Sterling	—	3,322,371	—	1,885,811
Other alloys	—	19,762	—	52,124
Stainless steel	—	911,553	—	734,843
Steel, other:				
Bars and rods	tons 1,129	104,610	453	135,413
Cutlery	—	166,746	—	148,101
Plates, sheets and strip	tons 1,576	231,793	1,352	219,167
Other	—	998,605	—	1,387,275
Stones, other semi-precious and precious	—	940,253	—	809,221
Tellurium	lb. 510	1,036	794	1,447
Tin (except scrap):				
Ingots and slabs	tons 2,048	3,954,666	1,893	3,327,547
Other forms	" 97	162,340	50	65,015
Trimmings, knobs, handles, etc., for kitchenware	—	488,009	—	434,849
Waste and scrap for remelting and refining	—	1,711,959	—	1,681,232
Watch parts	—	161,517	—	273,861
Zinc (except scrap):				
Ingots and slabs	tons 19,483	4,905,999	14,294	3,445,991
Sheets	" 319	170,050	508	229,853
Other forms	—	86,023	—	62,044
Shipping containers and packing materials	—	2,824,696	—	2,448,534
Ores, concentrates, etc., for smelting and refining	—	508,116,759	—	515,315,655
All other materials	—	14,394,253	—	13,959,343
Amount paid out to others for work done on materials owned by plants in this group	not available	—	—	1,257,865
Total	—	726,128,115	—	717,966,073

TABLE 7. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1953 and 1954

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		1953		1954	
		Quantity	Selling value at works	Quantity	Selling value at works
Alloys, die casting	lb.	11,615,920	\$ 1,670,720	9,616,804	1,381,839
Alloys, non-ferrous, not elsewhere specified	"	541,752	162,238	254,356	45,453
Aluminum:					
Bars and rods			(a)		(a)
Boot and shoe lasts			(a)		(a)
Bottle caps and seals			(a)		(a)
Castings (except die castings)	lb.	12,309,009	9,260,226	9,396,891	7,177,038
Conduit			(a)		(a)
Cooking utensils and other kitchen hollow-ware			7,643,607		7,530,510
Extruded shapes	lb.	20,983,769	10,037,785	14,140,284	7,096,502
Forgings			(a)		(a)
Hair curlers, rollers, etc.			(a)		(a)
Hat dies and hat blocks			(a)		(a)
Ingots and wire bars:					
New	tons	548,445	(***)	557,897	(***)
Remelt	lb.	3,739,711	697,331	2,797,593	563,725
Secondary (reclaimed from scrap)	"	12,289,443	2,395,277	13,809,290	2,334,795
Nails			(a)		(a)
Patterns and match plates	-	-	162,721	-	16,300
Powder			(a)		(a)
Rivets			(a)		(a)
Roofing			(a)		(a)
Scrap	-	-	1,333,616	-	1,026,874
Sheets			(a)		(a)
Stampings and spinnings, not elsewhere specified	-	-	156,072	-	210,074
Tubing			(a)		(a)
Window sash and frames			(a)		(a)
Wire and cable			(a)		(a)
Other aluminum goods, including values for items marked (a) which were reported by only one or two concerns in this group	-	-	56,002,464	-	54,422,208
Anodes, for plating			(***)		(***)
Architectural work of brass, bronze, copper or iron	-	-	483,839	-	602,513
Babbitt metal	lb.	2,879,263	1,168,778	2,036,194	904,776
Brass and bronze:					
Bars and rods			(b)		(b)
Castings	lb.	36,213,404	15,703,153	28,215,607	12,634,035
Ingots	"	30,182,116	7,361,334	30,837,460	7,543,110
Powder			(b)		(b)
Scrap	lb.	1,083,675	211,704	1,186,219	256,908
Sheets, plates and strips			(b)		(b)
Other forms, including values for items marked (b)	-	-	30,234,404	-	26,084,685
Copper:					
Alloys, not elsewhere specified	lb.	617,150	266,081	693,313	290,334
Castings	"	133,225	108,615	130,807	92,870
Ingots, wire bars, etc., made in primary refineries	tons	236,966	142,005,289	253,365	147,762,632
Pipe and tubing	-	-	(c)		(c)
Pipe fittings, streamline			529,861	-	-
Plates and sheets			(c)		(c)
Scrap	lb.	1,731,583	522,234	1,273,822	335,396
Wire rods			(c)		(c)
Other forms, including values for items marked (c)	-	-	65,109,245	-	66,382,982
Cadmium metal	lb.	998,078	1,818,779	794,296	1,350,703
Castings:					
Die:					
Aluminum base	lb.	1,867,429	1,483,360	1,894,646	1,582,201
Zinc base	"	12,787,019	7,012,817	10,583,984	5,605,248
Other	-	-	480,692	-	53,284
Grey iron	-	-	241,744	-	211,214
Other, not elsewhere specified	-	-	769,232	-	854,853
Church goods (chalices, etc.)	-	-	79,987	-	85,010
Dies	-	-	329,201	-	336,249
Emblems, badges and medals	-	-	668,333	-	712,793

TABLE 7. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1953 and 1954 — 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	1953		1954	
	Quantity	Selling value at works	Quantity	Selling value at works
Fasteners, metal.....		\$ (***)		\$ (***)
Fire extinguishers and extinguishing systems.....	—	2,544,133	—	2,463,081
Flatware and cutlery:				
Not plated	—	747,046	—	761,852
Silver-plated	—	6,688,069	—	6,159,148
Sterling silver	—	2,425,323	—	2,186,820
Foils (lead, tin, aluminum, etc.)	—	6,684,424	—	6,711,360
Gauges, pressure and vacuum.....		(***)		(***)
Glassware, decorated and cut.....		(***)		(***)
Gold:				
Fine gold (for sale), recovered from old gold, sweepings, etc.	—	719,312	—	457,065
Fine gold, purchased as such and only melted and rolled or otherwise prepared, without alloying, for resale to the arts and industries	—	332,388	—	403,348
Gold alloys	—	3,654,686	—	3,168,358
Gold leaf	—	(***)	—	(***)
Gold-filled wire and other gold-filled stock	—	537,537	—	507,042
Hardware:				
Automobile.....	—	250,000	—	—
Builders	—	71,642	—	9,657
Furniture and cabinet.....	—	3,320	—	3,500
Other	—	78,400	—	70,043
Hollow-ware:				
Silver-plated on brass or copper.....	—	1,638,448	—	1,363,564
Silver-plated on Britannia metal.....	—	137,156	—	74,665
Silver-plated on lead alloy	—	189,439	—	151,950
Silver-plated on nickel-silver	—	57,412	—	8,609
Sterling silver	—	312,878	—	324,725
Hollow-ware and spinnings, brass, bronze, copper, steel and monel		31,724		30,861
Hydrants		(***)		(***)
Jewellery:				
Of gold, silver and other metals (including stones)	—	19,430,877	—	17,344,999
Of plastics or other non-metallic materials	—	55,926	—	219,766
Lamps and lanterns, marine, portable and railway		(***)		(***)
Lead:				
Alloys, not elsewhere specified.....	lb.	270,998	94,625	1,575,938
Bars or ingots (antimonial):				
Primary (made from virgin metal)	"	13,242,716	1,891,707	7,569,601
Secondary (reclaimed from scrap).....	"	26,422,871	3,632,179	30,389,808
Bars or ingots (pure):				
New — produced in primary refineries	tons	165,752	37,758,209	166,005
Remelted in secondary refineries	lb.	3,710,312	544,784	2,535,113
Secondary (reclaimed from scrap).....	"	6,140,747	874,823	8,070,768
Castings:				
Pipe	"	159,183	104,651	506,665
Sheet.....	"	3,048,214	674,991	2,726,420
Traps and fittings	"	4,902,499	957,284	4,883,012
Wire	"	1,660,715	607,018	1,544,180
Miscellaneous lead products, including value for items marked (d)	—	(d)	169,931	(d)
Lead, red		(***)	—	(***)
Lighting fixtures		(***)	—	(***)
Lightning rods and supplies	—	330,556	—	336,241
Litharge		(***)	—	(***)
Magnesium:				
Castings	—	4,691,596	—	3,851,507
Other magnesium products	—	(***)	—	(***)
Mantels, incandescent		(***)	—	(***)
Maple sugar equipment		(***)	—	(***)
Meters and meter parts, gas and water		(***)	—	(***)

TABLE 7. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1953 and 1954 — 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	1953		1954	
	Quantity	Selling value at works	Quantity	Selling value at works
Nickel in matte, oxides and salts, and refined nickel..... tons	143,693	\$ 160,430,098	161,279	\$ 180,173,392
Nickel-silver:				
Plates and sheets		{***}		{***}
Other forms		{***}		{***}
Pearls, artificial or simulated	—	565,817	—	937,947
Platinum:				
Crucibles	—	1,220,548	—	1,219,801
Electrodes	—	20,046,390	—	20,906,556
Other manufactures	—			
Platinum, palladium, etc., in refinery residues and matte	—			
Plumbers' brass fittings:				
Closet tank fittings	—	287,217	—	329,216
Lavatory and bath faucets, lavatory combinations	—	1,409,445	—	1,258,680
Sink faucets and sink combinations	—	1,534,505	—	1,483,782
Stops, and stop and drains	—	913,555	—	987,705
Traps, drains, supplies and other tubular fittings	—	1,647,244	—	1,502,438
Tub-fitters, showers, and combinations of same	—	1,296,208	—	1,204,583
Any other brass plumbing fittings	—	3,488,501	—	3,502,142
Plumbing fixtures, cast iron	—	312,609	—	371,810
Pot scourers	—	627,201	—	546,265
Precious metal salts	—	(***)	—	(***)
Railway car bearings and fittings, brass and bronze	—	1,684,193	—	3,050,726
Scrap and dross sold	—	358,266	—	1,748,558
Selenium	1b.	262,346	1,101,854	298,479
Shot, dropped or moulded	—	(***)	—	(***)
Silver:				
Fine silver (for sale), recovered from sweepings, etc. ..	—	385,444	—	330,708
Fine silver, purchased as such and only melted and rolled or otherwise prepared, without alloying, for resale to the arts and industries	—	786,631	—	569,822
Sterling silver	—	2,871,299	—	1,433,709
Sterling silver, purchased as such and only melted, rolled, etc., for resale	—	164,987	—	173,743
Other silver alloys	—	846,089	—	712,925
Other silver alloys, purchased as such and only melted, rolled, etc., for resale	—	—	—	1,000
Solders	1b.	11,242,213	5,087,584	10,356,093
Smelter and refinery products, not elsewhere specified ...	—	263,762,055	—	291,081,080
Steam boiler trimmings, including gauge cocks and water gauge mountings	—	108,491	—	149,034
Stellite and stellite products	—	(***)	—	(***)
Sweeps, jewellers', prepared	—	150,735	—	263,988
Tanks, composition closet	—	(***)	—	(***)
Tanks, kettles and coils for breweries	—	1,102,889	—	1,003,685
Tellurium	1b.	4,694	8,215	7,990
Terrazzo stripping, brass, zinc, magnesium	—	(***)	—	13,982
Tin:				
Alloys, not elsewhere specified	—	(***)	—	(***)
New—produced in primary refineries	1b.	197,986	157,877	9,557
Remelted in secondary refineries	"	52,963	49,159	147,147
Secondary (reclaimed from scrap)	—			
Toiletware and dresserware:				
Sterling silver	—	353,422	—	279,443
Other metals	—	520,852	—	157,636
Trophies	—	402,718	—	477,499
Tubes, collapsible	—	(***)	—	(***)
Type and type metal	1b.	6,320,582	1,724,280	8,149,079
				1,732,508

TABLE 7. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1953 and 1954 — 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	1953		1954	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Valves:				
Brass or bronze (gate, globe, check, etc.)	—	—	4,332,959	—
Corporation brass (main and curb stops, etc.)	—	—	1,007,058	—
Radiator valves (all types)	—	—	742,020	—
Iron body (gate, globe, check, etc.)	—	—	2,818,919	—
Pressure regulators and relief valves	—	—	223,039	—
Steel	—	—	128,402	—
Watch cases	—	—	296,587	—
Watches:				
Wrist	—	—	325,985	—
Weatherstripping	—	—	309,011	—
Zinc:				
Alloys not elsewhere specified	lb.	1,136,974	197,081	674,028
Castings	"	267,434	159,941	10,979
Dust			(***)	(***)
Bars, slabs, etc.:				
New — produced in primary refineries	tons	250,961	50,696,538	213,775
Remelted in secondary refineries	lb.	71,241	14,625	49,466
Secondary (reclaimed from scrap)	"	2,777,628	285,283	3,281,787
All other products	—	—	29,531,146	—
Products reported by only one or two concerns (items marked (***)) above)	—	—	210,522,789	—
Amount received in payment for repair and custom work		not available		—
Total	—	1,242,010,994		1,263,774,817

TABLE 8. Capital and Repair Expenditures in the Non-ferrous Metal Products Group, 1953 and 1954

Industry	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures			
	Construction	Machinery and equipment		Construction	Machinery and equipment					
\$'000										
1953										
Aluminum products	329	2,206	2,535	341	2,954	3,295	5,830			
Brass and copper products ..	974	3,723	4,697	587	2,557	3,144	7,841			
White metal products	2,514	986	3,500	112	604	716	4,216			
Jewellery and silverware	239	540	779	147	401	548	1,327			
Non-ferrous smelting and refining	33,426	33,702	67,128	7,739	29,404	37,143	104,271			
Miscellaneous	153	315	468	38	82	120	588			
Total	37,635	41,472	79,107	8,964	36,002	44,966	124,073			
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	74	920	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	12	92	104	30	78	108	212			
Total	20,466	33,229	53,675	8,628	39,641	48,269	101,944			

Note: Data shown for 1953 and 1954 in above table are final figures and therefore differ to some extent from the preliminary figures shown in the bulletins for the individual industries.

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