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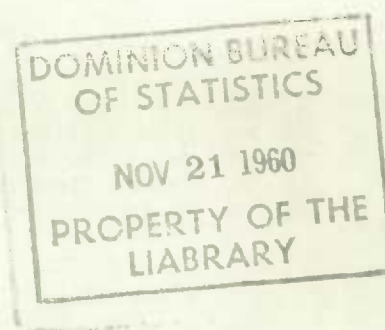
ANNUAL



NON-FERROUS METAL PRODUCTS

1958

General Review



Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Non-ferrous Metal Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

M — Monthly

Q — Quarterly

Catalogue number	Title	Price
41 - 202	Non-ferrous Metal Products — General Review (A) .....	.50
41 - 204	The Aluminum Products Industry (A) .....	.50
41 - 206	The Brass and Copper Products Industry (A) .....	.50
41 - 215	The White Metal Alloys Industry (A) .....	.50
41 - 211	The Jewellery and Silverware Industry (A) .....	.50
41 - 214	The Smelting and Refining Industry (A)50
41 - 218	The Miscellaneous Non-ferrous Metal Products Industry (A)25
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41 - 007	Non-ferrous Scrap Metal and Secondary Non-ferrous Ingot (Q)	per year 1.00
31 - 201	General Review of the Manufacturing Industries (A)	2.00
31 - 001	Inventories, Shipments and Orders in Manufacturing Industries (M)	per year 4.00
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made payable to the Receiver General of Canada and forwarded to
the Information Services Division, Dominion Bureau of Statistics,
or to the Queen's Printer, Ottawa, Canada.*

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1958, are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in **repair** work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies

for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished

goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

NON-FERROUS METAL PRODUCTS

1958

General Review

The total gross value of output for the industries in the Non-ferrous Metal Products group was \$1,531 millions in 1958 compared with \$1,683 millions in 1957.

Two of the industries in this group showed increases in output values compared with 1957 and four industries registered declines. For the first group the values in millions of dollars (1957 in brackets) were as follows Aluminum products, \$97.9 (\$91.8) and Jewellery and silverware, \$53.9 (\$52.8). Four industries showed declines as follows: Brass and copper products, \$176.4 (\$182.4); White metal products, \$50.2 (\$57.0); Miscellaneous non-ferrous metal products, \$17.1 (\$19.3) and Non-ferrous metal smelting and refining, \$1,135.8 (\$1,280.1).

For the group as a whole, there were 593 plants in operation in 1958 with 51,301 employees. Payment in salaries and wages during the year amounted to \$227 millions, materials for manufacturing cost \$931 millions and fuel and electricity cost \$70 millions.

Imports into Canada of non-ferrous metals and their products (except electrical apparatus) were valued at \$192 millions in 1958 compared with \$236 millions in 1957. Exports of Canadian made goods were appraised at \$1,010 millions as against \$981 millions in 1957.

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 for all industries except Non-ferrous smelting and refining. 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 began to be 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 all industries except Non-ferrous smelting and refining. In 1954 and 1955, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the value added figure was further adjusted to take into account the goods in process as well as the finished goods held at plant or plant warehouse for all industries except Non-ferrous smelting and refining. For all years figures shown for "Gross selling value of factory shipments" for the Non-ferrous smelting and refining industry actually represent "Gross value of production" and value added figures have been arrived at by subtracting cost of materials, including fuel and electricity from value of production.

TABLE 1. Principal Statistics for the Non-ferrous Metal Products Group, by Industries, 1954-58

Industry and 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 factory shipments ¹
	number				dollars		
Aluminum products:							
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
1956	96	6,884	25,664,161	1,807,712	56,330,198	35,131,189	90,470,877
1957	94	6,917	27,475,361	1,852,226	56,190,667	33,953,111	91,818,989
1958	95	6,605	28,544,154	1,941,443	60,434,728	36,832,967	97,883,277
Brass and copper products:							
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
1956	154	9,220	34,729,361	2,405,113	173,601,665	69,497,906	244,096,116
1957	160	8,825	34,803,463	2,442,415	111,347,089	67,852,993	182,396,315
1958	155	9,034	36,441,269	2,600,711	107,392,740	68,161,993	176,400,890
Jewellery and silverware:							
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
1956	220	4,877	13,990,509	394,988	29,499,839	24,171,407	53,460,985
1957	220	4,731	14,572,549	404,516	28,885,750	23,502,638	52,789,040
1958	221	4,739	14,935,765	408,378	30,147,682	24,085,298	53,898,979
White metal products:							
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
1956	58	3,199	11,424,043	975,391	41,590,230	20,180,300	62,515,219
1957	61	3,154	11,258,160	1,008,437	37,734,175	17,856,056	56,969,191
1958	64	2,825	10,576,075	998,200	30,305,392	18,505,709	50,177,719
Miscellaneous non-ferrous metal products:							
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
1956	30	1,103	4,421,722	261,328	7,335,302	7,854,003	15,047,787
1957	34	1,341	5,383,649	319,022	9,983,138	9,268,243	19,263,253
1958	33	1,139	5,035,959	289,312	8,853,868	8,029,249	17,065,670
Non-ferrous metal smelting and refining:							
1954	22	26,048	102,595,970	55,225,387	515,315,655	352,037,956	922,578,998 ²
1955	23	28,606	118,189,378	56,948,510	710,762,890	444,005,081	1,211,716,481 ²
1956	23	30,788	130,139,944	64,942,503	820,604,322	511,018,353	1,396,565,178 ²
1957	23	29,613	134,775,206	59,474,791	770,004,696	450,666,165	1,280,145,652 ²
1958	25	26,959	131,081,250	63,522,398	693,796,744	378,451,364	1,135,770,506 ²
Totals:							
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
1956	581	56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162
1957	592	54,581	228,268,388	65,501,407	1,014,145,515	603,099,206	1,683,382,440
1958	593	51,301	226,614,472	69,760,442	930,931,154	534,066,580	1,531,197,041

¹ See note to text.² Gross value of production for this industry.

**TABLE 2. Principal Statistics for the Non-ferrous Metal Products Group,
by Provinces 1954-58**

Province and 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 factory shipments ¹
	number				dollars		
Nova Scotia, New Brunswick and Quebec:							
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
1956	194	20,127	76,506,988	35,604,882	504,232,304	231,842,393	769,961,835
1957	194	18,169	74,238,319	30,258,912	367,454,139	186,985,804	584,568,936
1958	187	18,837	84,466,525	36,088,894	419,803,921	186,650,479	643,035,491
Ontario:							
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
1956	304	27,212	106,584,300	23,606,017	485,438,888	339,557,989	844,909,087
1957	309	27,760	114,106,127	24,651,893	508,557,666	339,577,559	873,320,832
1958	320	24,653	104,131,563	18,900,988	393,553,179	274,732,884	683,423,641
Manitoba:							
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
1956	18	465	1,769,879	572,850	9,199,933	12,023,303	21,710,535
1957	17	484	1,886,547	539,075	8,088,301	6,313,357	15,052,447
1958	14	500	2,387,167	632,298	5,858,260	4,213,342	10,724,361
Saskatchewan and Alberta:							
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
1956	15	1,247	5,560,767	2,476,224	22,309,773	33,069,570	57,756,580
1957	16	1,261	5,816,053	2,501,290	23,269,715	21,164,115	47,108,711
1958	16	1,255	5,905,054	2,847,424	26,350,120	21,829,343	50,981,914
British Columbia and Yukon:							
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
1956	50	7,020	29,947,806	8,527,062	107,780,658	51,359,903	167,818,125
1957	56	6,907	32,221,342	7,550,237	106,775,694	49,058,371	163,331,514
1958	56	6,056	29,724,163	11,290,838	85,365,674	46,640,532	143,031,634
Canada:							
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
1956	581	56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162
1957	592	54,581	228,268,388	65,501,407	1,014,145,515	603,099,206	1,683,382,440
1958	593	51,301	226,614,472	69,760,442	930,931,154	534,066,580	1,531,197,041

¹ See note to text.

TABLE 3. Inventories,¹ 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
(a) By industries				
Opening:				
Aluminum products	5,402,411	6,783,357	4,124,048	16,309,816
Brass and copper products	12,968,078	7,627,298	7,157,895	27,753,271
White metal products	3,566,021	1,191,381	3,239,454	7,996,856
Jewellery and silverware	6,436,867	2,971,035	5,131,700	14,539,602
Non-ferrous smelting and refining	133,136,000	38,735,000	34,507,000	206,378,000
Miscellaneous	2,931,298	920,938	939,139	4,791,375
Totals	164,440,675	58,229,009	55,099,236	277,768,920
Closing:				
Aluminum products	5,270,408	8,489,323	3,743,943	17,503,674
Brass and copper products	13,371,198	8,242,583	8,297,164	29,910,945
White metal products	4,512,694	990,426	3,071,991	8,575,111
Jewellery and silverware	6,818,454	3,184,004	5,661,110	15,663,568
Non-ferrous smelting and refining	117,015,000	32,204,000	42,252,000	191,471,000
Miscellaneous	2,037,167	987,535	979,301	4,004,003
Totals	149,024,921	54,097,871	64,005,509	267,128,301
(b) By provinces				
Opening:				
New Brunswick and Quebec	64,044,257	14,376,266	11,993,148	90,413,671
Ontario	64,693,479	36,880,452	32,154,572	133,728,503
Manitoba	1,514,818	226,848	285,865	2,027,531
Saskatchewan and Alberta	4,925,946	790,000	680,136	6,396,082
British Columbia and Yukon	29,262,175	5,955,443	9,985,515	45,203,133
Canada	164,440,675	58,229,009	55,099,236	277,768,920
Closing:				
New Brunswick and Quebec	59,782,794	12,739,515	21,392,702	93,915,011
Ontario	62,761,043	35,614,185	22,262,249	120,637,477
Manitoba	1,220,971	182,559	279,693	1,683,223
Saskatchewan and Alberta	5,325,757	804,000	970,109	7,099,866
British Columbia and Yukon	19,934,356	4,757,612	19,100,756	43,792,724
Canada	149,024,921	54,097,871	64,005,509	267,128,301

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

Note: The opening inventory for the current year may not necessarily agree with the closing inventory for the previous year because of changes in the composition of the industry such as; the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 4. Employees and their Earnings in the Non-ferrous metal Products Group, 1957 and 1958

	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1957								
(a) By industries:								
Aluminum products	1,866	851	3,925	275	6,917	12,934,113	14,541,248	27,475,361
Brass and copper products	1,450	591	6,315	469	8,825	9,873,957	24,929,506	34,803,463
White metal products	517	188	1,936	513	3,154	3,429,785	7,828,375	11,258,160
Jewellery and silverware	650	424	2,355	1,302	4,731	4,201,857	10,370,692	14,572,549
Non-ferrous smelting and re-fining	4,716	692	24,152	53	29,613	29,413,697	105,361,509	134,775,206
Miscellaneous.....	298	98	820	125	1,341	2,029,982	3,353,667	5,383,649
Totals	9,497	2,844	39,503	2,737	54,581	61,883,391	166,384,997	228,268,388
(b) By provinces:								
Nova Scotia, New Brunswick and Quebec	3,920	1,062	12,457	730	18,169	24,471,884	49,766,435	74,238,319
Ontario.....	4,178	1,444	20,188	1,950	27,760	28,061,895	86,044,232	114,106,127
Manitoba	67	21	389	7	484	432,855	1,453,692	1,886,547
Saskatchewan and Alberta	269	34	958	—	1,261	1,614,985	4,201,068	5,816,053
British Columbia and Yukon..	1,063	283	5,511	50	6,907	7,301,772	24,919,570	32,221,342
Canada.....	9,497	2,844	39,503	2,737	54,581	61,883,391	166,384,997	228,268,388
1958								
(a) By industries:								
Aluminum products	1,607	835	3,913	250	6,605	13,310,074	15,234,080	28,544,154
Brass and copper products	1,530	600	6,396	508	9,034	10,371,110	26,070,159	36,441,269
White metal products	471	159	1,730	465	2,825	3,332,713	7,243,362	10,576,075
Jewellery and silverware	692	471	2,222	1,354	4,739	4,702,745	10,233,020	14,935,765
Non-ferrous smelting and re-fining	4,773	744	21,391	51	26,959	33,398,402	97,682,848	131,081,250
Miscellaneous.....	275	98	669	97	1,139	2,044,757	2,991,202	5,035,959
Totals	9,348	2,907	36,321	2,725	51,301	67,159,801	159,454,671	226,614,472
(b) By provinces:								
New Brunswick and Quebec ..	3,760	1,103	13,285	689	18,837	26,577,624	57,888,901	84,466,525
Ontario.....	4,177	1,447	17,061	1,968	24,653	30,177,270	73,954,293	104,131,563
Manitoba	64	18	409	9	500	801,361	1,585,806	2,387,167
Saskatchewan and Alberta	273	40	940	2	1,255	1,688,089	4,216,965	5,905,054
British Columbia and Yukon..	1,074	299	4,626	57	6,056	7,915,457	21,808,706	29,724,163
Canada.....	9,348	2,907	36,321	2,725	51,301	67,159,801	159,454,671	226,614,472

**TABLE 5. Production Workers (Wage-earners) in the Non-ferrous Metal Products Group,
by Months and by Industries, 1957 and 1958**

Month	Aluminum products	Brass and copper products	White metal products	Jewellery and silverware	Non- ferrous smelting and refining	Miscel- laneous	Total
	number						
1957							
January	4, 321	6, 866	2, 478	3, 612	25, 185	945	43, 407
February	4, 312	6, 892	2, 544	3, 639	24, 782	994	43, 163
March.....	4, 217	6, 673	2, 444	3, 596	24, 403	1, 029	42, 362
April	4, 168	6, 619	2, 410	3, 583	25, 107	1, 047	42, 934
May	4, 164	6, 735	2, 493	3, 543	25, 892	938	43, 765
June.....	4, 108	6, 869	2, 459	3, 529	20, 730	955	38, 650
July	4, 226	6, 843	2, 437	3, 604	21, 035	961	39, 106
August.....	4, 356	6, 932	2, 417	3, 786	21, 020	944	39, 455
September	4, 373	6, 940	2, 453	3, 850	25, 523	878	44, 017
October	4, 144	6, 769	2, 436	3, 876	25, 844	862	43, 931
November	4, 018	6, 684	2, 428	3, 794	25, 596	888	43, 408
December	3, 886	6, 478	2, 391	3, 639	25, 327	863	42, 584
1958 ¹							
January	3, 824	6, 432	2, 253	3, 065	25, 163	792	41, 529
February	3, 894	6, 459	2, 205	3, 142	24, 436	764	40, 900
March.....	3, 856	6, 470	2, 218	3, 113	23, 829	714	40, 200
April	3, 867	6, 608	2, 159	3, 019	23, 655	724	40, 032
May	3, 894	6, 712	2, 143	3, 043	23, 656	686	40, 134
June.....	4, 028	6, 846	2, 135	3, 032	23, 722	740	40, 503
July	4, 145	6, 874	2, 092	3, 086	23, 722	734	40, 653
August.....	4, 206	6, 876	2, 114	3, 294	23, 335	726	40, 551
September	4, 275	6, 941	2, 136	3, 295	22, 184	738	39, 569
October	4, 246	6, 866	2, 124	3, 315	14, 614	691	31, 856
November	4, 106	6, 872	2, 203	3, 262	14, 270	735	31, 448
December	4, 010	6, 718	2, 181	3, 189	14, 371	738	31, 207

¹ Data for 1958 are not strictly comparable to those for previous years since they relate only to establishments generally reporting value of shipments of \$100,000 and over. For total average number of production workers in 1958 (including estimates for small firms) see Table 4.

**TABLE 6. Production Workers (Wage-earners) in the Non-ferrous Metal Products Group,
by Months and by Provinces, 1957 and 1958**

Month	New Brunswick and Quebec	Ontario	Manitoba	Saskat- chewan and Alberta	British Columbia and Yukon	Total
	number					
1957						
January	14,751	21,868	407	935	5,446	43,407
February	14,367	21,956	413	943	5,484	43,163
March	13,629	21,787	414	966	5,566	42,362
April	14,128	21,758	406	954	5,688	42,934
May	14,681	22,013	410	956	5,705	43,765
June	9,254	22,310	413	974	5,699	38,650
July	9,283	22,627	405	1,009	5,782	39,106
August	9,419	22,882	392	991	5,771	39,455
September	14,407	22,719	382	952	5,557	44,017
October	14,790	22,342	376	944	5,479	43,931
November	14,800	21,958	372	931	5,347	43,408
December	14,631	21,481	373	932	5,167	42,584
Average	13,187	22,138	396	958	5,561	42,240
1958¹						
January	14,460	20,828	394	892	4,955	41,529
February	13,957	20,827	402	890	4,824	40,900
March	13,878	20,266	410	895	4,751	40,200
April	13,763	20,289	409	882	4,689	40,032
May	13,797	20,407	425	907	4,598	40,134
June	14,013	20,577	417	929	4,567	40,503
July	14,068	20,610	431	934	4,610	40,653
August	13,755	20,858	423	940	4,575	40,551
September	13,673	20,147	397	922	4,430	39,569
October	13,172	13,005	399	927	4,353	31,856
November	12,858	13,015	401	903	4,271	31,448
December	12,596	13,048	407	899	4,257	31,207

¹ Data for 1958 are not strictly comparable to those for previous years since they relate only to establishments generally reporting value of shipments of \$100,000 and over. For total average number of production workers in 1958 (including estimates for small firms) see Table 4.

TABLE 7. Alphabetical List of Materials Used in the Industries in the Non-ferrous Metal Products Group, 1957 and 1958

Material		1957		1958	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Aluminum (except scrap):					
Ingots	ton	89,922	43,664,448	106,039	47,624,739
Castings	"	82	114,723	102	146,251
Circles and forms for hollow-ware	"	1,119	1,054,146	1,260	1,078,242
Sheet and strip	"	2,342	1,977,700	3,240	2,650,810
Rods and bars	"	993	683,564	308	231,197
Tubing	"	114	204,834	173	248,753
Wire	"	42	42,439	34	33,907
Other forms	"	..	4,282,484	..	5,812,883
Alloy, die castings	ton	3,960	1,249,919	3,414	898,749
Antimony	"	729	336,359	471	202,165
Arsenic - Metallic arsenic	lb.	16,848	7,700	12,582	5,737
Oxide, As ₂ O ₃	"	73,668	5,455	68,120	4,419
Beads for artificial or simulated pearls:					
Glass	"	..	223,978	..	229,431
Other	"	..	156,775	..	134,037
Bismuth	lb.	34,871	78,549	22,732	52,491
Brass and bronze (except scrap):					
Ingots	ton	11,065	6,079,757	11,350	5,802,717
Bars and rods	"	1,810	1,078,440	2,051	1,368,326
Castings	"	1,494	1,451,700	..	..
Plates, sheets and strips	"	745	697,535	872	781,102
Pipe and tubing	"	364	413,841	585	619,950
Wire	"	430	631,336	411	478,005
Other forms	"	..	1,396,375	..	2,668,660
Britannia metal, including blanks for plating	"	..	18,695	..	25,724
Cadmium	lb.	69,498	109,496	75,441	117,562
Coke, foundry	ton	1,456	43,963	1,267	42,668
Copper (except scrap):					
Ingots, slabs, wire bars, etc.	"	112,423	64,274,536	114,665	59,620,105
Pipe and tubing	"	176	186,505	289	308,260
Plates, sheets and strips	"	650	618,401	451	439,408
Rods	"	120	130,388	..	..
Wire	"	329	249,232	208	183,952
Other forms	"	..	545,059	..	465,457
Diamonds, for rings, etc.	"	..	2,645,760	..	2,895,200
Glass linings and blanks, for silverware	"	..	181,558	..	86,879
Gold:					
Fine:					
New	"	..	4,482,824	..	4,792,935
Old	"	..	102,940	..	251,290
Old, for remelting or refining	"	..	199,701	..	398,219
Alloys	"	..	1,403,075	..	1,633,143
Gold-filled wire	"	..	151,113	..	143,909
Graphite	ton	35	24,204	34	17,870
Iridium	"	..	13,221	..	17,125
Iron, pig	ton	3,319	216,416	3,450	221,277
Jewellers' findings	"	..	1,064,166	..	1,105,125
Lead (except scrap):					
Pig:					
Pure	ton	17,757	4,989,387	14,177	3,231,849
Antimonial	"	2,471	716,802	1,237	348,493
Other forms	"	..	104,004	..	66,881
Lumber	M bd. ft.	477	58,031	779	99,315
Magnesium metal	ton	903	694,631	796	555,107
Manganese metal	"	84	60,701	60	38,788
Metals, other non-ferrous	"	..	2,006,471	..	1,312,882
Monel metal	ton	37	74,685	27	41,543
Nickel	"	1,530	2,262,161	1,756	2,730,872
Nickel-copper shot	"	7	10,057	5	7,627

TABLE 7. Alphabetical List of Materials Used in the Industries in the Non-ferrous Metal Products Group, 1957 and 1958 - Concluded

Material	1957		1958	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Nickel-silver, including blanks for plating.....	..	2,141,396	..	1,237,203
Palladium.....	..	275,092	..	1,143,382
Pearl essence .....	..	12,950	..	9,721
Platinum.....	..	1,182,835	..	3,258,208
Refractories.....	..	80,282	..	76,283
Resins, synthetic, and plastics .....	..	75,534	..	31,782
Rhodium .....	..	133,129	..	108,285
Rouge and other polishes .....	..	116,148	..	101,035
Sand:				
Foundry	ton 16,641	135,328	14,638	124,684
Silica	" 1,920	24,407	2,849	67,594
Scrap:				
Aluminum	" 12,390	4,644,970	11,712	3,927,512
Babbitt	" 1,925	599,462	1,497	494,997
Brass and bronze	" 29,366	12,708,208	26,355	10,090,351
Copper	" 12,577	6,572,235	16,906	7,834,782
Iron and steel	" 2,643	132,845	2,522	108,590
Lead:				
Battery plates and lugs	" 23,221	3,624,467	34,660	4,660,325
Cable	" 4,398	1,088,217		
Dross	" 5,911	1,134,937		
Other.....	" 4,888	1,314,565		
Magnesium	" 17,925	..	..	10,163
Solder	ton 1,324	657,216	409	184,747
Tin	" 152	140,781	119	120,101
Type metal.....	" 2,216	773,805	3,752	1,313,122
Zinc	" 1,772	262,046	1,822	184,005
Zinc dross	" 4,234	458,269	3,171	294,189
Other metals	" 376	84,494	913	184,411
Silicon metal	lb. 557,569	121,040	402,051	80,852
Silver:				
Fine .....	..	4,000,358	..	2,817,509
Sterling.....	..	2,465,997	..	2,282,143
Other alloys.....	..	88,284	..	72,349
Stainless steel .....	..	2,090,028	..	1,916,981
Steel, other:				
Cutlery .....	..	130,790	..	72,657
Plates, sheets and strip	- 457	97,035	1,450	248,059
Other.....	..	2,043,533	..	1,433,539
Stones, other semi-precious and precious .....	..	986,908	..	1,178,539
Tellurium	lb. 1,653	2,977	1,016	1,824
Tin (except scrap):				
Ingots and slabs	ton 1,997	3,793,555	1,910	3,536,335
Other forms	" 29	57,147	25	50,665
Trimmings, knobs, handles, etc., for kitchenware .....	..	256,032	..	348,981
Waste and scrap for remelting and refining.....	..	1,451,713	..	622,709
Watch parts .....	..	54,561	..	44,369
Zinc (except scrap):				
Ingots and slabs	ton 16,236	3,953,400	16,272	3,632,027
Sheets.....	" 475	215,218	331	151,666
Other forms .....	..	74,572	..	362,034
Shipping containers and packing materials .....	..	3,310,506	..	3,350,835
Ores, concentrates, etc., for smelting and refining.....	..	770,004,696	..	693,796,744
All other materials .....	..	24,954,192	..	25,328,572
Amount paid out to others for work done on materials owned by plants in this group.....	..	2,131,190	..	1,764,257
Totals.....	..	1,014,145,515	..	930,931,154

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1957 and 1958

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	1957		1958	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Alloys, die casting..... lb.	10,527,122	1,613,252	11,188,908	1,553,126
Alloys, non-ferrous, not elsewhere specified..... "	1,434,125	354,754	1,152,448	284,895
Aluminum:				
Bars and rods.....		(a)		(a)
Bottle caps and seals.....		(a)		(a)
Castings (except die castings)..... "	10,085,473	6,982,679	8,917,529	6,280,757
Conduit.....		(a)		(a)
Cooking utensils and other kitchen hollow-ware.....		6,311,889		6,758,605
Extruded shapes..... lb.	25,483,777	13,321,074	30,939,362	17,411,611
Forgings.....		(a)		(a)
Hat dies and hat blocks.....		(a)		(a)
Ingots and wire bars:				
New..... ton	556,715	*	634,102	*
Remelt..... lb.	3,679,686	911,040	4,534,229	843,051
Secondary (reclaimed from scrap)..... "	14,269,937	3,079,749	10,887,268	3,291,082
Patterns and match plates.....	..	103,945	..	858,999
Powder.....		(a)		(a)
Rivets.....	—	—	—	—
Roofing.....		(a)		(a)
Scrap.....	..	249,373	..	230,896
Sheets.....		(a)		(a)
Stampings and spinings, not elsewhere specified.....	..	477,993	..	459,592
Tubing.....		(a)		(a)
Other aluminum goods, including values for items marked (a) which were reported by only one or two concerns in this group.....	...	52,654,673	...	52,853,504
Anodes, for plating.....	..	*	..	*
Architectural work of brass, bronze, copper or iron.....	..	150,428	..	149,447
Babbitt metal..... lb.	2,175,563	1,046,854	1,708,492	826,315
Brass and bronze:				
Bars and rods.....		(b)		(b)
Castings..... lb.	29,748,645	14,378,614	25,841,042	11,348,235
Ingots..... "	34,411,528	10,412,197	30,279,870	8,080,605
Powder.....		(b)		(b)
Scrap..... lb.	470,720	91,618	1,540,108	272,549
Sheets, plates and strips.....		(b)		(b)
Other forms, including values for items marked (b).....	...	21,678,134	...	26,443,288
Copper:				
Alloys, not elsewhere specified..... lb.	1,843,316	546,851	2,650,407	696,614
Castings..... "	1,043,498	607,570	250,269	170,019
Ingots, wire bars, etc., made in primary refineries..... ton	323,540	185,100,050	329,239	164,699,696
Pipe and tubing.....		(c)		(c)
Plates and sheets.....		(c)		(c)
Scrap..... lb.	72,039	19,768	329,102	103,579
Wire rods.....		(c)		(c)
Other forms, including values for items marked (c).....	...	75,431,415	...	69,956,017
Cadmium metal..... lb.	2,028,826	2,904,248	1,628,239	1,602,825
Castings:				
Die:				
Aluminum base..... lb.	2,023,369	1,430,503	2,560,348	1,645,499
Zinc base..... "	15,616,010	7,250,447	14,379,489	6,017,214
Other.....	..	182,410	..	325,581
Grey iron.....	..	161,874	..	127,146
Other, not elsewhere specified.....	...	393,409	...	1,069,282
Church goods (chalices, etc.).....	..	151,953	..	208,712
Dies.....	..	571,251	..	1,018,139
Emblems, badges and medals.....	..	840,236	..	572,116

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1957 and 1958 — Continued

Product	1957		1958	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Fasteners, metal		*		*
Fire extinguishers and extinguishing systems .....	...	3,400,198	...	3,204,004
Flatware and cutlery:				
Not plated (including stainless) .....	..	1,031,502	..	1,169,212
Silver-plated .....	..	6,736,236	..	4,762,431
Sterling silver .....	..	1,876,887	..	1,727,851
Foils (lead, tin, aluminum, etc.) .....	..	10,558,775	..	10,932,963
Gauges, pressure and vacuum		*		*
Gold	1	1	1	1
Gold leaf		*		*
Gold-filled wire and other gold-filled stock .....	..	452,715	..	324,655
Hardware .....	..	144,429	..	177,749
Hollow-ware:				
Silver-plated on brass or copper .....	..	1,139,959	..	1,223,892
Silver-plated on Britannia metal .....	..	78,616	..	46,872
Silver-plated on lead alloy .....	..	78,938	..	48,607
Silver-plated on nickel-silver .....	..	85,156	..	96,672
Sterling silver .....	..	287,772	..	248,672
Hollow-ware and spinings, brass, bronze, copper, steel and monel .....	..	421,065	..	1,150,351
Hydrants		*		*
Jewellery:				
Of gold, silver and other metals (including stones) .....	..	20,468,562	..	22,350,449
Of plastics or other non-metallic materials .....	..	306,901	..	102,870
Lamps and lanterns, marine, portable and railway		*		*
Lead:				
Alloys, and elsewhere specified	lb. 1,191,200	269,236	801,252	98,462
Bars or ingots (antimonial):				
Primary (made from virgin metal)	" 4,298,244	666,814	4,693,142	437,828
Secondary (reclaimed from scrap)	" 35,919,877	5,491,729	29,761,682	3,686,872
Bars or ingots (pure):				
New — Produced in primary refineries	ton 142,935	32,932,147	132,987	22,501,413
Remelted in secondary refineries	lb. 4,863,455	778,545	5,957,820	752,840
Secondary (reclaimed from scrap)	" 8,860,067	1,311,887	9,845,400	1,286,799
Castings	" 451,863	103,002	564,536	219,502
Pipe	" 3,417,087	690,941	2,368,422	530,802
Sheet	" 4,811,182	953,506	5,715,985	1,246,004
Traps and fittings	" 1,324,208	726,816	1,146,073	520,429
Wire		(d)		(d)
Miscellaneous lead products, including value for items marked (d) .....	...	335,469	...	430,148
Lead, red		*		*
Lightning rods and supplies .....	...	217,643	...	263,832
Magnesium:				
Castings .....	..	1,893,467	..	840,489
Other magnesium products		*		*
Maple sugar equipment		*		*
Meters and meter parts, gas and water		*		*
Precious metals (gold, silver, etc.) in the following forms: recovered (for sale) from old material, sweepings, waste, etc., also precious metals purchased as such and only melted and rolled and otherwise prepared without alloying, for resale to the arts and industries and other precious metal alloys not specified elsewhere:				
Gold .....	..	3,531,459	..	3,732,746
Silver .....	..	4,687,640	..	3,656,636
Other precious metals including platinum, crucibles and electrodes .....	...	1,571,417	...	3,935,646

¹ See "Precious metals".

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1957 and 1958 — Continued

Product	1957		1958	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Nickel in matte, oxides and salts, and refined nickel..... ton	187,958	258,977,309	139,559	194,142,019
Nickel-silver:				
Plates and sheets		*		*
Other forms		*		*
Pearls, artificial or simulated.....	..	385,210	..	954,468
Platinum, palladium, etc., in refinery residues and matte ....	..	25,731,333		14,321,443
Plumbers' brass fittings:				
Closet tank fittings .....	..	298,627	..	274,608
Faucets, sink, lavatory and bath, and their combinations ..	..	3,211,738	..	3,743,332
Stops, and stop and drains .....	..	966,410	..	1,035,288
Traps, drains, supplies and other tubular fittings .....	..	988,572	..	1,108,782
Tub-fillers, showers, and combinations of same .....	..	1,665,102	..	1,628,971
Any other brass plumbing fittings .....	...	3,007,894	...	6,294,140
Plumbing fixtures, cast iron .....	..	372,258	..	208,614
Pot scourers .....	..	696,265	..	749,561
Precious metal salts		*		*
Railway car bearings and fittings, brass and bronze		*		*
Scrap and dross sold		*		*
Selenium	lb. 332,011	3,505,507	342,141	2,289,637
Shot, dropped or moulded		*		*
Silver	¹	¹	¹	¹
Solders	lb. 11,994,225	5,890,322	11,467,241	5,050,414
Smelter and refinery products, not elsewhere specified .....	..	474,091,573	..	434,775,628
Steam boiler trimmings, including gauge cocks and water gauge mountings .....	..	55,000	..	58,000
Stellite and stellite products .....	..	*		*
Sweeps, jewellers', prepared .....	..	338,077	..	327,215
Tanks, kettles and coils for breweries .....	..	331,518	..	216,060
Tellurium	lb. 34,895	65,543	42,337	83,379
Terrazzo stripping, brass, zinc, magnesium		*		*
Tin:				
Alloys, not elsewhere specified		*		*
New—Produced in primary refineries	lb. 151,593	151,593	—	—
Remelted in secondary refineries	" 37,057	38,993	227,547	226,375
Secondary (reclaimed from scrap)	" 38,474	34,088	44,747	50,973
Toiletware and dresserware:				
Sterling silver .....	..	192,309	..	185,023
Other metals .....	..	177,269	..	168,214
Trophies .....	..	646,714	..	996,443
Tubes, collapsible		*		*
Type and type metal	lb. 9,085,807	2,698,302	6,918,290	2,373,043
Valves:				
Brass or bronze (gate, globe, check, etc.) .....	..	4,759,029	..	4,403,778
Corporation brass (main and curb stops, etc.) .....	..	1,476,930	..	1,897,195
Radiator valves (all types) .....	..	387,057	..	295,369
Iron body (gate, globe, check, etc.) .....	..	4,160,213	..	3,950,323
Pressure regulators and relief valves .....	..	376,917	..	376,738
Steel .....	..	162,499	..	93,372
Other types .....	..	1,324,033	..	479,912

¹ See "Precious metals".

TABLE 8. Alphabetical List of Products Made in the Industries in the Non-ferrous Metal Products Group, 1957 and 1958 - Concluded

Product	1957		1958	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Watch cases.....	..	34,948	..	1,000
Wrist watches .....	..	513,483	..	557,371
Weatherstripping .....	..	380,886	..	399,418
Zinc:				
Alloys not elsewhere specified	lb.	879,625	151,669	990,038
Castings.....	"	63,973	11,305	358
Dust	"	*	*	50
Bars, slabs, etc:				
New - Produced in primary refineries	ton	247,316	48,391,297	252,093
Remelted in secondary refineries.....	lb.	144,027	18,241	472,707
Secondary (reclaimed from scrap).....	"	5,498,327	642,664	5,368,185
All other products (including products reported by only one or two firms in this group marked * above).....	...	319,542,418	...	325,239,091
Amount received in payment for repair and custom work .....	...	3,991,645	...	3,315,165
Totals.....	...	1,683,382,440	...	1,531,197,041

TABLE 9. Capital and Repair Expenditures in the Non-ferrous Metal Products Group, 1957 and 1958

Industry	Capital expenditures		Sub-total	Repair expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1957							
Aluminum products.....	1,189	3,389	4,578	261	2,483	2,744	7,322
Brass and copper products ...	4,257	6,740	10,997	538	2,896	3,434	14,431
White metal products	315	1,083	1,398	1	1	951	2,349
Jewellery and silverware	128	616	744	101	435	536	1,280
Non-ferrous smelting and re- fining	63,611	61,696	125,307	7,366	46,720	54,086	179,393
Miscellaneous.....	490	1,262	1,752	1	1	479	2,231
Totals	69,990	74,786	144,776	8,432	53,798	62,230	207,006
1958							
Aluminum products.....	953	3,238	4,191	403	3,023	3,426	7,617
Brass and copper products ...	458	5,710	6,168	570	2,911	3,481	9,649
White metal products	164	867	1,031	108	1,052	1,160	2,191
Jewellery and silverware	1	1	400	103	459	562	962
Non-ferrous smelting and re- fining	42,019	41,413	83,432	8,435	41,641	50,076	133,508
Miscellaneous.....	1	1	614	1	1	294	908
Totals	95,836		95,836	58,999		58,999	154,835

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

Note: Data shown for 1957 and 1958 in above table are final figures and therefore, differ to some extent from the preliminary figures shown in the bulletins for the individual industries.

TABLE 10. Fuel and Electricity Used in the Manufacture of Non-ferrous Metal Products in Canada, by Industries and by Provinces, 1958¹

No.		Bituminous coal		Sub-bituminous coal from Alberta mines only	Anthracite coal	Lignite coal	Coke (for fuel only)	Gasoline (including gasoline used in cars and trucks)
		From Canadian mines	Imported					
					tons			Imp. gal.
	(a) By industries							
	Aluminum products:							
1	Quantity	—	13,440	—	70	—	23	93,074
2	Cost	\$ —	148,017	—	2,037	—	660	31,142
	Brass and copper products:							
3	Quantity	3,259	21,634	—	27	7	339	304,403
4	Cost	\$ 43,332	257,161	—	684	91	7,030	113,914
	White metal products:							
5	Quantity	225	803	—	1,782	—	1,382	215,967
6	Cost	\$ 3,176	11,947	—	26,821	—	30,560	88,286
	Jewellery and silverware:							
7	Quantity	321	3,355	—	10	—	—	97,147
8	Cost	\$ 4,902	41,131	—	285	—	—	19,638
	Non-ferrous smelting refining:							
9	Quantity	418,661	305,577	9	53,867	—	225,352	774,703
10	Cost	\$ 5,828,773	3,758,530	135	761,553	—	5,070,644	269,579
	Miscellaneous:							
11	Quantity	—	26	—	—	—	—	9,636
12	Cost	\$ —	515	—	—	—	—	4,190
	(b) By provinces							
	Nova Scotia, New Brunswick and Quebec:							
13	Quantity	165,648	8,710	—	55,650	—	620	529,541
14	Cost	\$ 2,246,871	109,382	—	788,469	—	12,639	196,470
	Ontario:							
15	Quantity	33,662	336,125	—	106	2	165,885	597,586
16	Cost	\$ 406,760	4,107,919	—	2,911	49	3,581,559	199,090
	Manitoba:							
17	Quantity	27,852	—	2	—	5	—	40,547
18	Cost	\$ 405,301	—	30	—	42	—	16,097
	Saskatchewan and Alberta:							
19	Quantity	113,764	—	7	—	—	—	49,361
20	Cost	\$ 1,598,159	—	105	—	—	—	9,696
	British Columbia and Yukon:							
21	Quantity	81,540	—	—	—	—	60,591	277,895
22	Cost	\$ 1,223,092	—	—	—	—	1,514,696	105,396

See opposite page for footnote.

TABLE 10. Fuel and Electricity Used in the Manufacture of Non-ferrous Metal Products in Canada,
by Industries and by Provinces, 1958¹

Fuel oil including kerosene or coal oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Steam purchased	Total	No.
		Liquefied petroleum gases (propane, etc.)	Other manu- factured gas	Natural gas		Purchased	Generated for own use			
Imp. gal.	cords	Imp. gal.	M cu. ft.			kwh.				
3,752,328	6	111,054	19,089	96,111	...	174,594,471	—		...	1
422,155	25	25,908	24,713	111,699	777	1,133,835	—	1,415	1,902,383	2
4,760,297	—	729,580	4,215	250,918	...	103,994,642	—	—	...	3
608,243	—	100,447	7,511	247,672	34,627	1,054,826	—	56,945	2,532,483	4
2,018,603	—	100,838	130,225	220,822	—	22,511,837	—	—	...	5
285,842	—	22,509	51,269	209,018	—	255,066	—	—	984,494	6
563,896	—	18,058	1,058	35,742	...	10,648,262	—	—	...	7
81,081	—	8,193	1,829	48,009	515	162,686	—	420	368,689	8
72,455,681	2,476	45,168	117,354	1,909,312	...	15,081,229,595	1,038,454,749	—	...	9
7,338,201	53,753	16,816	78,420	249,789	16,526	40,081,679	—	—	63,522,398	10
492,040	—	3,818	—	43,137	...	17,660,030	—	—	...	11
64,241	—	1,126	—	57,311	707	147,261	—	—	275,351	12
51,066,896	2,126	679,705	130,243	54,198	...	10,753,481,123	24,827,163	...	...	13
4,649,937	51,072	92,972	97,768	34,917	6,749	27,729,080	—	17,560	36,033,886	14
29,610,804	—	319,325	139,061	563,020	...	1,029,113,309	4,510,400	...	...	15
3,590,366	—	79,384	63,711	607,072	46,403	6,089,156	—	41,220	18,815,600	16
316,349	30	800	2,637	7,235	—	60,255,318	—	—	...	17
45,287	188	400	2,263	7,393	—	153,667	—	—	630,668	18
943,015	121	6,468	—	1,917,986	—	327,941,159	21,677,000	—	...	19
95,562	747	1,670	—	254,516	—	882,454	—	—	2,842,909	20
2,108,781	205	2,218	—	13,593	—	3,238,323,928	987,440,186	—	...	21
416,611	1,771	573	—	19,600	—	7,980,996	—	—	11,262,735	22

¹ Data in this table relate only to establishments generally reporting value of factory shipments of \$100,000 and over. For total value of fuel and electricity used (including estimates for small firms) see Tables 1 and 2.



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**TABLE 11. Total Horsepower Rating of Power Equipment in Use or Available for Use
in the Non-ferrous Metal Products Group at the End of 1958**

Type of equipment	Driving generators	Not driving generators
	h. p.	
Prime movers:		
Steam engines	250	522
Steam turbines	36,753	6,755
Diesel engines.....	7,700	1,200
Gasoline, gas and oil engines, other than diesel engines	963	11,214
Totals	45,666	19,691
Electric motors (one-quarter horsepower and over)	100,575	992,793