

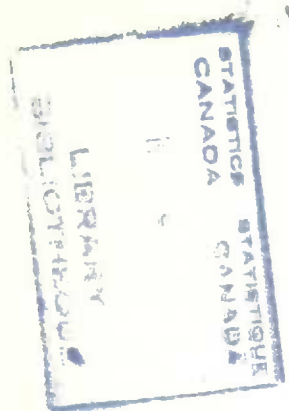
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NON-METALLIC MINERAL PRODUCTS

1959

GENERAL REVIEW

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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.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 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 1959 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

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials 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*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

NON-METALLIC MINERAL PRODUCTS

1959

GENERAL REVIEW

The new Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics in its compilations for 1949 and later years, provides for a separate Products of Petroleum and Coal group. This new major division includes the petroleum products industry and the coke and gas industry which were formerly classified to the Non-metallic Mineral Products group. The statistics for the Non-metallic Mineral Products group, from and including 1949, therefore, are not strictly comparable with those published previously.

The gross value of production from industries in this group was \$694 millions in 1959, an increase of 9.0 per cent over 1958. Employees numbered 43,349 in 1959 and their salaries and wages totalled \$179 millions. Materials for manufacturing cost \$241 millions and fuel and electricity cost \$52 millions.

Twelve of the industries in this group showed increases in output values compared with 1958 and two industries registered declines. For the first group the values in millions of dollars (1958 in brackets) were as follows: Abrasive products \$44.2 (\$37.2); Asbestos products \$30.9 (\$27.6); Concrete products \$207.9 (\$186.2); Glass and glass products \$107.7 (\$93.9); Lime \$22.1 (\$20.3); Products from domestic clays \$42.5 (\$41.7); Products from imported clays \$23.9 (\$23.7); Salt \$20.2 (\$17.0); Sand-lime

brick \$1.1 (\$.9); Stone products \$30.4 (\$29.4); and miscellaneous \$29.0 (\$23.5). Two industries showed declines as follows: Cement \$98.8 (\$99.9) and Gypsum products \$35.5 (\$35.7).

In 1959 there were 1,251 establishments in this group. Ontario with 529 and production at \$356.5 millions accounted for 51.4 per cent of the total output and for 50.0 per cent of the employees. Quebec's 380 plants with 12,796 employees and production worth \$195.3 millions accounted for 28.1 per cent and 29.5 per cent respectively of the Canadian totals.

Note: In general, the net value of production or "Value added" figure is arrived at by subtracting from the value of shipments the cost of materials and supplies used and fuel and electricity used and adjusting for changes in inventory; however, for some industries the net value of production figure does not incorporate an adjustment for inventory. The industries in this latter group are as follows: Cement, Lime, Domestic Clays and Salt. Prior to 1956 the adjustments that were made used only the change in finished product inventory owned by manufacturers. In 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.

NON-METALLIC MINERAL PRODUCTS

TABLE 1. Principal Statistics for the Non-metallic Mineral Products Group, by Industries, 1958 and 1959

Industry	Plants	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of factory shipments	Net value of production ¹
	number		dollars				
1958							
Abrasive products	18	2,314	10,702,296	4,355,238	14,550,336	37,211,006	18,573,824
Asbestos products	16	1,924	7,545,988	879,444	12,236,863	27,809,862	14,888,807
Cement	19	3,485	16,359,760	19,009,008	14,758,308	99,943,850	66,176,534
Concrete products	684	11,819	44,807,114	6,020,897	91,364,354	186,235,051	91,419,385
Glass and glass products	102	7,879	30,328,355	4,638,867	36,085,066	93,818,849	53,165,011
Gypsum products	13	1,604	6,806,213	1,646,796	15,725,705	35,719,283	18,498,829
Lime	40	1,172	4,362,549	4,865,236	1,367,999	20,261,610	14,028,375
Miscellaneous	54	1,106	4,241,753	814,167	11,290,375	23,525,267	11,502,938
Products from domestic clays	112	4,249	15,734,143	6,457,139	1,065,692	41,709,903	34,187,072
Products from imported clays	36	2,173	8,613,571	965,412	6,692,281	23,686,970	16,088,014
Salt	13	870	3,575,977	1,069,815	2,748,081	16,957,157	13,139,461
Sand-lime brick	4	106	378,561	58,741	231,362	913,483	631,131
Stone products	137	2,157	8,355,347	1,396,647	10,567,422	29,404,039	17,573,288
Totals	1,248	40,858	161,811,827	52,175,207	218,683,844	636,996,330	369,872,669
1959							
Abrasive products	18	2,522	11,853,197	5,022,388	17,783,503	44,226,296	21,249,607
Asbestos products	16	2,076	9,154,154	897,813	13,676,667	30,883,070	17,182,668
Cement	19	3,516	17,174,256	17,309,329	13,289,944	98,777,937	67,612,521
Concrete products	682	12,566	50,099,502	6,892,702	99,828,430	207,906,250	102,590,965
Glass and glass products	101	8,842	34,967,391	4,948,320	42,896,582	107,737,430	61,670,605
Gypsum products	13	1,626	7,181,793	1,465,057	15,966,506	35,461,217	18,234,955
Lime	40	1,275	4,875,819	5,056,570	1,455,072	22,130,956	15,602,172
Miscellaneous	55	1,142	4,611,444	895,449	13,876,400	28,984,729	14,606,867
Products from domestic clays	116	4,471	17,150,222	6,446,705	1,371,977	42,515,448	35,592,292
Products from imported clays	36	2,042	8,396,945	1,005,915	6,021,398	23,946,944	17,046,941
Salt	15	926	3,903,318	1,193,656	3,419,626	20,224,407	15,843,873
Sand-lime brick	4	103	405,635	55,625	308,792	1,064,256	703,112
Stone products	136	2,242	8,880,122	1,278,454	11,048,447	30,378,740	18,020,152
Totals	1,251	43,349	178,653,798	52,467,983	240,923,344	694,237,680	405,956,730

¹ See note to text.

TABLE 2. Principal Statistics for the Non-metallic Mineral Products Group, by Provinces, 1958 and 1959

Province	Plants	Employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of factory shipments	Net value of production ¹
	number		dollars				
1958							
Newfoundland	12	289	942,134	358,527	1,403,718	3,707,864	1,977,055
Prince Edward Island	36	581	1,648,935	613,901	1,438,611	6,444,638	4,367,707
Nova Scotia	32	558	1,789,004	1,108,459	1,775,631	7,258,643	4,388,050
New Brunswick	383	12,261	46,382,704	16,494,848	65,263,993	181,684,565	100,142,703
Quebec	529	20,569	85,270,288	26,145,790	106,789,010	327,648,231	195,575,266
Ontario	46	1,368	5,074,269	2,022,275	8,302,194	23,156,318	13,097,164
Manitoba	33	610	2,193,217	921,116	2,737,172	11,755,323	6,070,843
Saskatchewan	77	2,684	10,459,576	1,866,066	18,454,809	48,439,415	26,020,986
Alberta	100	1,938	8,051,500	2,644,204	10,518,706	26,921,333	14,232,895
Canada	1,248	40,858	161,811,827	52,175,207	218,683,844	636,996,330	369,872,669
1959							
Newfoundland	12	323	1,130,085	435,973	1,949,610	4,194,175	1,888,696
Prince Edward Island	4	18	53,358	4,938	57,148	176,100	115,173
Nova Scotia	33	611	1,730,919	636,217	1,797,982	6,685,274	4,348,745
New Brunswick	31	594	1,905,987	999,224	1,861,370	7,168,144	4,286,153
Quebec	380	12,796	50,643,938	15,556,449	70,624,921	195,320,696	110,830,167
Ontario	529	21,686	93,243,702	26,511,511	120,163,114	356,458,470	211,257,867
Manitoba	46	1,674	6,690,604	2,499,715	9,933,113	28,297,758	16,351,074
Saskatchewan	32	709	2,688,359	962,144	3,489,020	12,896,206	8,805,145
Alberta	83	3,018	13,167,967	2,304,083	19,882,118	52,901,094	31,517,121
British Columbia	101	1,920	8,398,699	2,557,729	11,164,946	30,139,783	16,556,587
Canada	1,251	43,349	178,653,798	52,467,983	240,923,344	694,237,680	405,956,730

¹ See note to text.

TABLE 3. Inventories¹ in the Non-metallic Mineral Products Group, by Industries, 1959

Industry	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Abrasive products	4,166,813	880,881	2,969,975	8,017,669
Asbestos products	2,085,824	987,847	3,516,522	7,570,193
Cement	14,441,243	3,849,202	5,205,306	23,495,751
Concrete products	6,589,086	891,899	9,396,437	16,877,422
Glass and glass products	7,813,862	535,077	6,620,807	14,969,746
Gypsum products	2,321,443	58,759	830,832	3,211,034
Lime	1,461,661	40,645	199,802	1,702,108
Miscellaneous	3,554,675	439,245	1,842,040	5,835,960
Products from domestic clays	1,372,807	528,264	4,614,089	6,515,160
Products from imported clays	1,977,967	701,222	2,269,951	4,949,140
Salt	738,281	33,988	351,905	1,124,174
Sand-lime brick	39,039	2,225	40,113	81,377
Stone products	2,243,942	379,650	1,155,630	3,779,222
Totals	49,786,643	9,328,904	39,013,409	98,128,956
Closing:				
Abrasive products	4,372,853	993,354	2,686,704	8,052,911
Asbestos products	3,013,365	1,173,909	4,204,538	8,391,812
Cement	13,851,481	3,254,490	5,213,875	22,319,846
Concrete products	7,265,612	549,556	11,144,627	18,959,795
Glass and glass products	10,829,370	659,252	8,274,709	19,763,331
Gypsum products	2,719,082	41,996	1,052,896	3,813,974
Lime	1,451,802	52,306	170,999	1,675,107
Miscellaneous	3,669,700	387,001	2,288,271	6,344,972
Products from domestic clays	1,560,920	713,036	5,324,843	7,598,799
Products from imported clays	1,996,711	734,284	2,364,199	5,095,194
Salt	957,514	47,884	570,757	1,576,155
Sand-lime brick	42,430	2,367	43,244	88,041
Stone products	2,219,437	397,197	1,106,389	3,723,023
Totals	53,950,277	9,006,632	44,446,051	107,402,960

¹ See footnote to Table 4.TABLE 4. Inventories¹ in the Non-metallic Mineral Products Group, by Provinces, 1959

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Newfoundland	649,302	122,169	170,049	941,520
Prince Edward Island	10,334	2,628	23,208	36,170
Nova Scotia	225,637	35,125	323,617	584,379
New Brunswick	846,670	48,068	373,265	1,068,003
Quebec	15,268,749	2,381,260	10,388,462	28,038,471
Ontario	23,681,741	4,795,337	20,622,740	49,099,818
Manitoba	2,663,986	420,564	1,222,801	4,307,351
Saskatchewan	1,025,846	234,310	611,134	1,871,290
Alberta	3,449,891	937,691	2,700,935	7,088,517
British Columbia	2,164,487	351,752	2,577,198	5,093,437
Canada	49,786,643	9,328,904	39,013,409	98,128,956
Closing:				
Newfoundland	596,023	206,082	166,242	968,347
Prince Edward Island	8,671	1,652	25,343	35,666
Nova Scotia	316,621	40,054	416,358	773,033
New Brunswick	693,269	62,083	337,853	1,093,205
Quebec	16,332,550	1,780,169	12,680,394	30,793,113
Ontario	25,778,839	4,320,492	22,571,600	52,670,931
Manitoba	3,203,257	485,477	1,644,032	5,332,766
Saskatchewan	941,295	439,448	766,099	2,146,842
Alberta	3,919,333	1,138,405	3,302,449	8,360,187
British Columbia	2,160,419	532,770	2,535,681	5,228,870
Canada	53,950,277	9,006,632	44,446,051	107,402,960

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

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Non-metallic Mineral Products group, for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published 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.

NON-METALLIC MINERAL PRODUCTS

TABLE 5. Employees and their Earnings in the Non-metallic Mineral Products Group, by Industries, 1958 and 1959

Industry	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					dollars		
1958								
Abrasive products	445	145	1,636	88	2,314	3,589,485	7,112,811	10,702,296
Asbestos products	316	106	1,345	157	1,924	1,979,264	5,566,724	7,545,988
Cement	463	101	2,917	4	3,485	3,340,160	13,019,600	16,359,760
Concrete products	2,139	430	9,167	83	11,819	11,493,353	33,313,761	44,807,114
Glass and glass products	973	463	5,408	1,035	7,879	6,399,481	23,928,874	30,328,355
Gypsum products	339	121	1,143	1	1,604	2,209,181	4,597,032	6,806,213
Lime	106	19	1,046	1	1,172	507,011	3,855,538	4,362,549
Miscellaneous	241	75	689	121	1,106	1,666,402	2,575,351	4,241,753
Products from domestic clays	465	103	3,621	60	4,249	2,756,316	12,977,827	15,734,143
Products from imported clays	307	100	1,423	343	2,173	2,052,237	6,561,334	8,613,571
Salt	191	46	589	44	870	1,152,596	2,423,381	3,575,977
Sand-lime brick	13	1	92	—	106	59,144	319,417	378,561
Stone products	483	121	1,534	19	2,157	2,721,832	5,633,515	8,355,347
Totals	6,481	1,831	30,590	1,956	40,858	39,926,462	121,885,165	161,811,627
1959								
Abrasive products	457	188	1,783	94	2,522	3,481,202	8,371,995	11,853,197
Asbestos products	307	121	1,496	152	2,076	2,176,164	6,977,990	9,154,154
Cement	533	97	2,883	3	3,516	3,860,087	13,314,169	17,174,256
Concrete products	2,168	447	9,895	56	12,566	12,503,912	37,595,590	50,099,502
Glass and glass products	1,051	494	5,993	1,304	8,842	7,109,346	27,858,045	34,967,391
Gypsum products	347	110	1,169	—	1,628	2,288,926	4,892,867	7,181,793
Lime	126	31	1,117	1	1,275	627,683	4,246,156	4,875,819
Miscellaneous	260	81	727	74	1,142	1,831,365	2,780,079	4,611,444
Products from domestic clays	540	114	3,749	68	4,471	3,315,394	13,834,828	17,150,222
Products from imported clays	311	105	1,335	291	2,042	2,148,214	6,248,731	8,396,945
Salt	206	52	622	46	928	1,135,801	2,767,517	3,903,318
Sand-lime brick	14	1	88	—	103	62,843	342,792	405,635
Stone products	522	117	1,593	10	2,242	2,976,298	5,903,824	8,880,122
Totals	6,842	1,958	32,450	2,099	43,349	43,517,215	135,136,583	178,653,798

TABLE 6. Employees and their Earnings in the Non-metallic Mineral Products Group, by Provinces, 1958 and 1959

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					dollars		
1958								
Newfoundland	50	11	228	—	289	241,718	700,418	942,134
Prince Edward Island	8	8	472	21	581	329,447	1,319,488	1,648,935
Nova Scotia	71	14	442	31	558	332,600	1,456,404	1,789,004
New Brunswick	1,675	467	9,534	585	12,261	9,125,974	37,256,730	46,382,704
Quebec	3,509	1,088	14,974	998	20,589	23,644,003	61,626,285	85,270,288
Ontario	228	54	1,044	42	1,368	1,266,647	3,807,622	5,074,269
Manitoba	120	27	457	6	610	662,202	1,531,015	2,193,217
Saskatchewan	402	88	1,946	248	2,684	2,335,213	8,124,363	10,459,576
Alberta	346	74	1,493	25	1,938	1,988,658	6,062,842	8,051,500
British Columbia								
Canada	6,481	1,831	30,590	1,956	40,858	39,926,462	121,885,165	161,811,627
1959								
Newfoundland	65	10	247	1	323	265,956	864,109	1,130,065
Prince Edward Island	5	—	13	—	18	16,735	36,623	53,358
Nova Scotia	87	14	493	17	611	344,121	1,386,798	1,730,919
New Brunswick	75	14	473	32	594	371,016	1,534,971	1,905,987
Quebec	1,691	498	10,013	594	12,796	10,024,162	40,619,776	50,643,938
Ontario	3,711	1,159	15,706	1,110	21,686	25,262,183	67,981,519	93,243,702
Manitoba	287	89	1,288	50	1,674	1,564,961	5,125,843	6,690,804
Saskatchewan	141	27	535	6	709	850,010	1,838,349	2,688,359
Alberta	445	100	2,206	287	3,018	2,743,671	9,424,296	12,167,967
British Columbia	355	87	1,476	22	1,920	2,074,400	6,324,299	8,398,699
Canada	6,842	1,958	32,450	2,099	43,349	43,517,215	135,136,583	178,653,798

TABLE 7. Production and Related Workers¹ (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Industries, 1958 and 1959

Industry	January	February	March	April	May	June
number						
1958						
Abrasive products	1,876	1,847	1,816	1,775	1,696	1,678
Asbestos products	1,461	1,457	1,381	1,452	1,553	1,579
Cement	2,737	2,779	2,750	2,872	3,049	3,136
Concrete products	5,874	6,000	6,550	7,588	8,505	8,983
Glass and glass products	6,139	5,966	6,105	6,299	5,652	5,749
Gypsum products	1,036	1,037	1,051	1,110	1,140	1,190
Lime	950	963	984	1,026	1,076	1,083
Miscellaneous	733	747	740	688	706	742
Products from domestic clays	2,901	2,825	3,060	3,471	3,888	4,130
Products from imported clays	1,541	1,585	1,600	1,665	1,720	1,733
Salt	649	622	562	570	597	602
Sand-lime brick	88	80	89	88	90	97
Stone products	1,208	1,190	1,185	1,202	1,255	1,291
Totals	27,193	27,088	27,870	29,806	30,927	31,993
1959						
Abrasive products	1,777	1,856	1,910	1,893	1,909	1,958
Asbestos products	1,470	1,516	1,549	1,567	1,625	1,668
Cement	2,571	2,595	2,651	2,835	2,943	3,080
Concrete products	6,090	6,258	6,785	7,551	8,192	8,604
Glass and glass products	6,314	6,369	6,389	6,624	7,004	7,331
Gypsum products	956	1,044	1,060	1,164	1,196	1,240
Lime	882	853	852	860	902	845
Miscellaneous	557	555	519	536	559	577
Products from domestic clays	3,158	3,290	3,407	3,767	4,030	4,133
Products from imported clays	1,577	1,525	1,544	1,504	1,449	1,509
Salt	692	686	623	603	581	594
Sand-lime brick	69	61	83	94	96	94
Stone products	975	1,001	1,000	986	1,030	1,053
Totals	27,088	27,609	28,372	29,984	31,516	32,686
number						
1958						
Abrasive products	1,605	1,643	1,654	1,622	1,697	1,791
Asbestos products	1,558	1,521	1,571	1,520	1,503	1,476
Cement	3,010	3,134	3,069	2,994	2,879	2,645
Concrete products	9,433	9,239	8,893	8,621	8,130	6,892
Glass and glass products	8,263	6,549	6,774	6,394	6,589	6,786
Gypsum products	1,243	1,236	1,224	1,203	1,148	1,136
Lime	1,081	1,074	1,094	1,116	1,099	1,029
Miscellaneous	746	731	738	730	689	649
Products from domestic clays	4,136	4,098	4,036	3,953	3,943	3,554
Products from imported clays	1,705	1,744	1,760	1,778	1,743	1,735
Salt	624	631	670	677	692	694
Sand-lime brick	95	99	96	96	97	76
Stone products	1,328	1,347	1,351	1,382	1,329	1,261
Totals	32,827	33,046	32,945	32,086	31,538	29,724
1959						
Abrasive products	1,909	1,860	1,807	1,754	1,762	1,760
Asbestos products	1,628	1,639	1,622	1,623	1,581	1,581
Cement	3,128	3,205	3,100	3,029	2,896	2,588
Concrete products	8,973	9,102	9,002	8,614	7,911	6,681
Glass and glass products	7,036	6,889	6,963	6,859	6,655	6,769
Gypsum products	1,297	1,333	1,265	1,204	1,141	1,146
Lime	847	832	819	801	781	740
Miscellaneous	589	606	603	601	619	590
Products from domestic clays	4,226	4,299	4,047	3,934	3,822	3,474
Products from imported clays	1,478	1,481	1,465	1,439	1,374	1,345
Salt	612	604	594	757	785	886
Sand-lime brick	95	98	96	93	91	86
Stone products	1,121	1,147	1,122	1,097	1,139	1,018
Totals	32,939	33,095	32,505	31,805	30,557	28,664

¹ See footnote to Table 8.

TABLE 8. Production and Related Workers¹ (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Provinces, 1958 and 1959

Province	January	February	March	April	May	June
	number					
1958						
Newfoundland	110	106	126	219	227	240
Prince Edward Island	} 338	} 341	} 277	} 302	} 375	} 458
Nova Scotia						
New Brunswick						
Quebec	8,475	8,551	8,741	9,066	9,823	10,053
Ontario	14,054	13,811	14,219	15,227	14,998	15,329
Manitoba	761	847	873	1,012	1,164	1,281
Saskatchewan	295	298	320	401	425	471
Alberta	1,600	1,538	1,732	1,901	2,110	2,285
British Columbia	1,217	1,273	1,232	1,300	1,374	1,430
Canada	27,193	27,098	27,870	29,806	30,927	31,993
1959						
Newfoundland	123	136	143	206	232	255
Prince Edward Island	} 427	} 428	} 363	} 347	} 352	} 357
Nova Scotia						
New Brunswick						
Quebec	8,199	8,262	8,522	9,046	9,347	9,889
Ontario	14,070	14,279	14,519	15,132	15,885	16,192
Manitoba	729	828	920	1,068	1,239	1,360
Saskatchewan	311	315	348	384	418	472
Alberta	1,745	1,834	1,944	2,149	2,329	2,446
British Columbia	1,116	1,181	1,232	1,247	1,269	1,265
Canada	27,088	27,609	28,372	29,984	31,516	32,686
	July	August	September	October	November	December
	number					
1958						
Newfoundland	240	249	244	245	231	168
Prince Edward Island	} 494	} 529	} 552	} 542	} 540	} 501
Nova Scotia						
New Brunswick						
Quebec	10,094	9,965	9,866	9,754	9,566	9,042
Ontario	15,944	16,153	16,293	15,733	15,809	15,159
Manitoba	1,326	1,244	1,212	1,176	970	880
Saskatchewan	486	458	430	420	359	340
Alberta	2,458	2,525	2,437	2,348	2,271	1,950
British Columbia	1,333	1,466	1,466	1,457	1,394	1,316
Canada	32,827	33,048	32,945	32,086	31,538	29,724
1959						
Newfoundland	279	292	275	290	251	117
Prince Edward Island	} 370	} 406	} 375	} 473	} 496	} 457
Nova Scotia						
New Brunswick						
Quebec	9,927	10,038	9,874	9,684	9,666	8,820
Ontario	16,163	16,027	15,990	15,659	14,773	14,302
Manitoba	1,462	1,557	1,485	1,378	1,237	1,114
Saskatchewan	489	477	488	472	412	360
Alberta	2,536	2,527	2,455	2,315	2,198	2,067
British Columbia	1,246	1,301	1,120	1,115	1,117	1,053
Canada	32,939	33,095	32,505	31,805	30,557	28,664

¹ Small establishments were not asked to report details of employment.

Note: Data for 1958 are not strictly comparable with those for previous years since they relate only to establishments generally reporting value of factory shipments of \$100,000 and over. For the total average number of production workers (including estimate for small firms) see Table 2.

TABLE 9. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1958 and 1959

Material	1958		1959		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Abrasive grains, artificial:					
For wheels, paper, etc.:					
Fused alumina	ton	1,656	440,657	2,583	811,551
Silicon carbide	"	3,237	761,568	2,625	641,867
Abrasive grains, natural:					
Garnet	lb.	504,519	78,781	465,030	66,481
Emery	"	86,905	8,938	201,803	16,895
Quartz or flint	"	289,779	10,004	284,163	9,457
Other	"	—	1,306	—	726
Alumina, pure	ton	2,999	283,573	9,010	849,917
Asbestos:					
Fibre	"	29,861	4,451,111	28,086	4,926,545
Cloth	"	10	18,816	2	4,827
Paper	"	2,483	344,677	1,540	192,296
Yarn	"	625	950,354	128	179,540
Arsenic	lb.	269,344	16,164	241,022	15,655
Barytes	ton	215	10,234	404	25,254
Bauxite	"	135,517	4,084,683	158,597	4,698,163
Borax	"	1,799	188,809	698	76,247
Bonding and bushing materials (for abrasive wheels, etc):					
Clay bonds	"	438	54,452	453	73,765
Bakelite and other synthetic resins	"	251	170,946	296	214,420
Lead for bushings	"	33	9,343	22	6,155
Glue	"	557	280,348	446	212,819
Other	"	...	39,023	—	45,502
Cement, Portland	bag	49,498,805	44,372,644	52,031,592	44,678,980
Cinders	cu. yd.	271,945	588,300	412,564	1,036,342
Clays, imported:					
Ball	ton	11,819	363,399	10,451	335,849
China	"	8,650	290,679	7,110	247,564
Fireclay	"	17,329	239,752	19,583	246,649
Sagger	"	430	11,690	538	17,216
Other	"	3,650	151,280	4,345	214,219
Clays, Canadian:					
China	"	—	—	—	—
Fireclay	ton	268	3,488	144	2,814
Other	"	..	137,449	..	117,098
Coal (not for fuel):					
Anthracite	ton	204	1,445	9	135
Bituminous	"	11,364	143,146	5,796	67,809
Coke (not for fuel):					
Petroleum	"	79,453	1,663,429	109,159	2,193,325
Other	"	28,865	621,905	32,344	676,364
Cobalt oxide	lb.	5,721	8,747	5,518	8,279
Cotton cloth and yarn	"	..	1,264,422	..	1,289,303
Cullett	ton	22,990	290,489	25,820	322,518
Electrodes	"	2,324	686,825	2,656	751,363
Firebrick, ground, broken and scrap	"	..	499,672	..	534,323
Feldspar	ton	9,450	322,764	9,082	250,436
Fluorspar	"	455	30,247	462	32,579

See footnote at end of table.

TABLE 9. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1958 and 1959 - Concluded

Material	1958		1959	
	Quantity	Cost at works \$	Quantity	Cost at works \$
Glass:				
Bevelled or polished edge plates	—	961,344	—	999,138
Bevelled or polished edge sheets	—	171,680	—	95,999
Figured and cathedral glass, leaded glass, etc.	—	96,589	—	40,266
Blanks for making cut glass	—	561,128	—	321,497
Tubing	—	154,359	—	50,400
Plate glass for bevelling, silvering, laminating, etc.	—	9,393,542	—	11,975,333
Sheet glass for bevelling, silvering, laminating, etc.	—	2,269,582	—	2,488,428
Gypsum, crude	ton 971,982	5,156,906	954,632	4,997,826
Hair	" 110	22,026	33	12,532
Hardware for porcelain insulators	—	1,504,925	—	1,054,975
Iron borings	ton 12,296	355,696	13,180	371,273
Lime	" 53,723	812,148	67,542	921,133
Mica	" 61	51,955	60	42,089
Nepheline syenite	" 26,762	685,225	30,208	771,016
Paper	—	6,705,939	—	6,987,692
Sand and gravel for concrete products	cu. yd. 10,175,582	20,464,445	11,448,438	21,856,555
Sand, silica, and ground quartz	ton 411,621	3,782,316	453,516	4,185,960
Sawdust .....	..	95,257	..	111,204
Slag and stone for mineral wool	ton 102,020	471,298	114,821	571,301
Silver nitrate	—	72,876	—	79,979
Starch or paste	ton 2,813	451,292	2,921	475,703
Sodium silicate	" 845	33,710	670	28,556
Sodium sulphate (salt cake)	" 2,645	93,763	3,214	114,052
Stone:				
From Canadian quarries	—	1,496,501	—	1,131,171
Imported	—	1,084,711	—	948,848
Stone, crushed	ton 3,890,984	6,872,552	3,989,367	6,611,508
Steel, reinforcing .....	..	4,544,882	..	6,448,181
Talc	ton 5,384	226,716	4,576	197,217
Wax .....	..	4,040	..	4,200
Containers and packing material .....	...	16,694,687	...	17,391,294
All other materials ¹ .....	...	69,496,123	...	83,566,791
Totals .....	...	218,683,844	...	240,923,344

¹ Details of materials used in the Cement, Domestic Clays, Lime and Salt Industries are not available separately. Totals for these industries are included under "All other materials". Containers used in these industries are included under the relevant item.

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1958 and 1959

Product	1958		1959	
	Quantity	Value of factory shipments \$	Quantity	Value of factory shipments \$
Alumina, fused, crude	ton 109,507	10,994,270	152,319	15,414,241
Asbestos products:				
Asbestos brake linings (automotive type only):				
Moulded .....	..	3,398,092	..	4,135,880
Other .....	..	329,611	..	284,514
Boiler and pipe coverings (asbestos only) .....	..	880,872	..	769,421
Asbestos clutch facings .....	..	•	..	•
Asbestos gaskets .....	..	93,714	..	97,441
Asbestos packings of all kinds .....	..	654,513	..	784,528
Asbestos textile products (cloth, clothing, dryer felts, yarn, pipe line felt, listings, thermo wrap pipe covering) .....	..	4,091,471	..	4,354,599
Asbestos paper products (millboard and paper) .....	..	641,104	..	584,738

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group,
1958 and 1959 - Continued

Product	1958		1959		
	Quantity	Value of factory shipments	Quantity	Value of factory shipments	
		\$		\$	
Blocks, building:					
Concrete:					
Cinder	M	17,841	3,342,162	11,677	2,484,711
Gravel	"	132,189	29,163,352	135,084	30,147,716
Other aggregates (haydite, slag, etc.)	"	24,031	5,808,511	29,238	7,195,415
Sand-lime	"	510	108,355	406	81,884
Clay	ton	159,114	3,118,197	176,585	3,475,791
Concrete structural shapes, n.e.s. ....		...	6,011,656	...	9,649,821
Blocks, chimney, concrete	M	1,339	637,758	1,119	731,500
Boron carbide .....			.		.
Bricks, building:					
Clay	M	547,673	27,482,319	550,961	27,806,003
Concrete	"	180,386	6,943,835	159,326	6,174,849
Sand-lime	"	27,283	805,128	35,814	982,372
Bricks and shapes, refractory, rigid:					
From Canadian clay		-	638,817	-	771,212
Other (chrome, magnesite, imported clay)	ton	63,183	7,465,955	84,745	11,890,006
Bricks, paving, clay	M	181	14,325	153	12,179
Cement, Portland	ton	6,153,421	96,414,142	6,284,486	95,147,798
Cements, refractory	"	21,825	2,456,174	18,429	1,920,894
Clay:					
Fire-clay	"	8,190	44,737	10,034	57,764
Other clay (includes bentonite) .....		..	524,732	..	622,998
Cloth, abrasive .....			.		.
Concrete, ready-mixed	cu. yd.	7,390,482	81,361,517	8,179,831	99,926,979
Crayons, chalk and wax .....			.		.
Diamonds, cut and polished .....			.		.
Dolomite, dead-burned .....			.		.
Facings, foundry		-	843,982	-	831,092
Ferrosilicon	ton	12,488	690,356	15,867	875,308
Flue lining .....		..	1,691,440	..	1,582,794
Frit, enamel .....			.		.
Gas, Pintsch (oil)	M cu. ft.	18,100	348,624	12,353	313,387
Glass:					
Bevelled or polished edge plate .....		..	629,508	..	515,337
Bevelled or polished edge sheet .....		..	401,155	..	565,342
Leaded, including memorial windows .....		..	248,679	..	248,088
Cut (tumblers, bowls, etc.) .....		..	985,489	..	870,964
Pressed and blown (including bottles, sealers, ovenware, window glass, etc.) .....		..	57,675,106	..	62,393,205
Safety (laminated, etc.) .....			.		.
Glassware, for druggists, physicians and laboratories .....		..	526,702	..	569,717
Glassware, decorated .....		..	821,714	..	992,539
Granules, roofing .....			.		.
Insulators, electrical porcelain .....		..	6,245,412	..	5,034,880
Lath, gypsum	sq. ft.	395,449,386	12,001,022	367,014,811	11,310,103
Lime:					
Quick	ton	1,258,089	15,371,452	1,359,666	17,255,903
Hydrated	"	338,333	4,094,371	326,059	4,048,118

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group,
1958 and 1959 - Continued

Product	1958		1959	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Magnesia, fused .....		.		.
Mica (plate, etc.) .....		.		.
Mirrors:				
Plate glass .....	..	3,679,121	..	3,641,514
Sheet glass .....	..	955,456	..	854,874
Monuments, cut and polished:				
Granite .....	..	4,351,750	..	4,314,882
Limestone .....	..	22,764	..	97,532
Marble .....	..	591,267	..	520,958
Monuments, bases and markers, semi-finished .....	..	153,846	..	362,109
Monuments, lettered only .....	..	520,971	..	587,853
Oil, core and core compound .....	..	85,372	..	130,526
Paper, abrasive .....		.		.
Pipe:				
Asbestos-cement .....		.		.
Concrete (drain, water, sewer, etc.) .....	..	24,543,719	..	28,014,490
Clay .....	..	3,432,526	..	3,399,320
Plaster, gypsum:				
Hard wall	ton	230,641	228,635	5,069,908
Other	"	73,643	72,158	1,897,284
Pottery .....	...	10,633,838	...	11,285,730
Pulpstones, artificial .....		.		.
Salt:				
Brine	ton	1,132,033	1,590,910	1,539,921
Dry	"	1,243,159	1,699,066	16,494,601
Sheathing gypsum	sq. ft.	13,409,572	12,038,394	483,986
Shingles, asbestos .....		.		.
Silicon carbide, crude	ton	77,528	86,248	12,660,211
Silicon carbide firesand .....		.	3,535	307,583
Stone, cast .....	...	5,638,850	...	8,042,603
Stone, building:				
Granite .....	..	1,217,137	..	1,203,387
Limestone .....	..	2,776,258	..	2,344,127
Marble .....	..	1,080,612	..	811,223
Sandstone .....		.		148,346
Stones and files, sharpening		256,585	..	280,505
Tile, floor and wall .....	..	3,033,582	..	3,213,983
Tile and blocks, gypsum .....		.		.
Tile, drain, clay	M	62,351	55,478	3,383,505
Tubs, laundry, concrete	No.	83,136	85,743	738,414
Vaults, burial, concrete	"	9,123	8,832	458,626
Wallboard, asbestos-cement .....		.		.
Wallboard, gypsum	sq. ft.	375,003,665	399,528,231	15,853,964
Wheels and segments, abrasive .....	..	6,013,543	..	7,550,473

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1958 and 1959 - Concluded

Product	1958		1959	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Wool, mineral:				
4-inch batts sq. ft.	5,924,969	334,608	7,420,024	408,768
3-inch batts "	70,928,712	3,105,466	79,357,311	3,369,659
2-inch batts "	194,947,632	6,828,769	187,923,574	6,907,441
Granulated cu. ft.	12,273,008	1,764,255	9,591,650	1,732,303
Bulk or loose "	713,521	121,419	1,016,211	193,138
Industrial .....	..	4,699,018	..	5,807,108
All other products .....	...	44,263,579	...	55,792,279
Products reported by only one or two firms in this group (marked* above) .....	...	46,776,371	...	51,846,515
Totals .....	...	636,996,330	...	694,237,680

TABLE 11. Capital and Repair Expenditures in the Non-metallic Mineral Products Group, 1959

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						
Cement	10,433	12,573	23,006	590	8,187	8,777	31,783
Concrete products	2,670	11,939	14,609	1,040	11,548	12,588	27,197
Glass and glass products	2,702	5,887	8,589	570	7,090	7,660	16,249
Gypsum products	1,282	5,942	7,224	37	1,362	1,399	8,623
Lime	207	2,101	2,308	169	1,557	1,726	4,034
Products from domestic clays	2,525	3,832	6,357	551	2,882	3,433	9,790
Products from imported clays	287	1,354	1,641	118	587	705	2,346
Stone products	1,302	1,211	2,513	185	1,218	1,403	3,916
Abrasive products	4,389	2,964	7,353	1,137	5,082	6,219	13,572
Asbestos products							
Miscellaneous							
Salt							
Sand-lime brick							
Totals	25,797	47,803	73,600	4,397	39,513	43,910	117,510

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

TABLE 12. Fuel and Electricity Used in the Manufacture of Non-metallic Mineral Products in Canada, by Industries and by Provinces, 1959¹

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								
	Abrasive products:							
1	Quantity	595	6,285	—	159	—	137	50,100
2	Cost	7,450	84,269	—	3,143	—	2,080	17,605
	Asbestos products:							
3	Quantity	24	13,547	—	—	—	—	44,703
4	Cost	381	152,032	—	—	—	—	15,747
	Cement:							
5	Quantity	708,425	247,733	—	—	—	105	243,092
6	Cost	7,054,268	2,554,145	—	—	—	2,537	70,682
	Concrete products:							
7	Quantity	4,849	12,140	—	205	—	267	9,603,586
8	Cost	64,449	185,711	—	2,885	—	5,073	3,337,995
	Glass and glass products:							
9	Quantity	—	2,864	—	382	—	—	263,468
10	Cost	—	34,441	—	5,746	—	—	89,748
	Gypsum products:							
11	Quantity	2,810	9,345	—	—	13,528	—	88,113
12	Cost	38,710	120,702	—	—	74,675	—	24,919
	Lime:							
13	Quantity	22,907	179,372	4,504	6,431	5,180	33,974	1,958,690
14	Cost	306,551	2,256,219	36,970	107,197	33,411	661,879	762,646
	Miscellaneous:							
15	Quantity	—	17,742	—	—	—	—	45,951
16	Cost	—	225,600	—	—	—	—	16,134
	Products from domestic clays:							
17	Quantity	15,870	110,621	757	64	1,619	1,088	830,233
18	Cost	216,091	1,575,718	6,962	1,907	9,487	22,754	287,444
	Products from imported clays:							
19	Quantity	895	12,808	—	71	—	—	35,956
20	Cost	11,870	160,529	—	1,279	—	—	14,094
	Salt:							
21	Quantity	16,410	25,336	—	—	—	—	22,744
22	Cost	180,514	234,342	—	—	—	—	6,218
	Sand-lime brick:							
23	Quantity	—	1,599	—	—	—	—	2,312
24	Cost	—	19,569	—	—	—	—	820
	Stone products:							
25	Quantity	889	262	—	31	—	147	109,947
26	Cost	10,941	4,651	—	874	—	3,356	40,677
	Total 1959:							
27	Quantity	773,674	639,654	5,261	7,343	20,327	35,718	13,298,895
28	Cost	7,891,225	7,607,928	43,932	123,031	117,573	897,679	4,684,724
(b) By provinces								
	Newfoundland:							
29	Quantity	—	—	—	—	—	105	111,180
30	Cost	—	—	—	—	—	2,537	45,054
	Prince Edward Island:							
31	Quantity	—	—	—	—	—	—	—
32	Cost	—	—	—	—	—	—	—
	Nova Scotia:							
33	Quantity	28,064	—	—	—	—	—	35,025
34	Cost	338,051	—	—	—	—	—	11,008
	New Brunswick:							
35	Quantity	35,523	—	—	—	—	—	109,096
36	Cost	420,000	—	—	—	—	—	36,572
	Quebec:							
37	Quantity	420,888	50,876	—	6,870	—	1,750	3,110,028
38	Cost	4,118,795	764,584	—	114,396	—	35,516	1,120,183
	Ontario:							
39	Quantity	217,708	581,761	—	473	—	31,897	7,315,476
40	Cost	2,222,376	6,719,121	—	8,635	—	629,041	2,627,656
	Manitoba:							
41	Quantity	430	7,217	67	—	19,572	1,966	735,794
42	Cost	3,469	124,223	365	—	113,270	29,565	251,575
	Saskatchewan:							
43	Quantity	2,398	—	757	—	755	—	224,084
44	Cost	32,398	—	6,962	—	4,303	—	80,005
	Alberta:							
45	Quantity	—	—	4,437	—	—	—	907,079
46	Cost	—	—	36,605	—	—	—	290,544
	British Columbia:							
47	Quantity	68,683	—	—	—	—	—	751,133
48	Cost	756,136	—	—	—	—	—	222,127
	Total 1959:							
49	Quantity	773,674	639,654	5,261	7,343	20,327	35,718	13,298,895
50	Cost	7,891,225	7,607,928	43,932	123,031	117,573	897,679	4,684,724

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

TABLE 12. Fuel and Electricity Used in the Manufacture of Non-metallic Mineral Products in Canada, by Industries and by Provinces, 1959¹

Fuel oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Steam purchased	No.
		Liquefied petroleum gases (pro- pane, etc.)	Other manu- factured gas	Natural gas		Purchased	Generated for own use		
Imp. gal.	cords	Imp. gal.	M cu. ft.			kwh.		\$	
677, 220	—	18, 994	582	44, 382	—	1, 070, 647, 045	—	—	1
77, 734	—	5, 876	1, 385	44, 359	—	4, 739, 178	—	23, 951	2
4, 770, 770	403	154, 916	—	20, 297	—	47, 475, 740	—	—	3
348, 787	5, 795	25, 814	—	20, 985	1, 526	305, 992	—	—	4
11, 478, 595	10	16, 516	—	8, 743, 745	—	732, 447, 975	1, 462, 900	—	5
1, 010, 003	92	4, 216	—	2, 075, 965	—	4, 537, 421	—	—	6
7, 969, 465	41	219, 373	1, 039	538, 298	—	54, 210, 056	76, 024	—	7
1, 160, 287	548	37, 907	1, 618	210, 618	82, 144	917, 742	—	104, 150	8
34, 409, 793	—	209, 415	—	1, 213, 935	—	176, 083, 241	—	—	9
2, 707, 457	—	39, 672	—	847, 066	19, 455	1, 105, 537	—	1, 100	10
9, 570, 425	—	7, 335	—	201, 652	—	46, 465, 090	—	—	11
757, 636	—	3, 948	—	47, 553	—	396, 914	—	—	12
1, 083, 263	16, 483	2, 929	742, 250	198, 565	—	34, 150, 041	3, 913, 000	—	13
105, 144	126, 848	811	183, 342	70, 448	10, 543	394, 561	—	—	14
2, 381, 773	—	16, 360	—	12, 262	—	17, 081, 438	—	—	15
238, 632	—	2, 462	—	11, 812	983	171, 320	—	—	16
17, 777, 016	15, 984	411, 710	—	4, 471, 460	—	83, 432, 687	44, 735	—	17
1, 718, 702	148, 086	72, 369	—	1, 464, 552	171	922, 462	—	—	18
2, 349, 166	—	105, 188	—	222, 783	—	30, 361, 199	—	—	19
305, 041	—	43, 443	—	149, 064	—	239, 500	—	—	20
4, 299, 848	—	—	—	674, 494	—	27, 176, 681	9, 997, 985	—	21
406, 205	—	—	—	157, 852	—	206, 530	—	—	22
287, 200	—	—	—	—	—	707, 800	—	—	23
24, 417	—	—	—	—	—	10, 819	—	—	24
3, 572, 806	—	1, 313, 428	—	64, 600	—	25, 169, 342	—	—	25
350, 065	—	94, 368	—	46, 527	317	228, 678	—	344, 059	26
100, 627, 340	32, 921	2, 476, 162	743, 871	16, 406, 453	—	2, 345, 408, 315	15, 494, 644	—	27
9, 210, 110	281, 361	330, 884	186, 345	5, 146, 801	115, 139	14, 176, 654	—	473, 260	28
3, 572, 746	—	—	—	—	—	16, 486, 684	—	—	29
275, 225	—	—	—	—	—	103, 709	—	—	30
—	—	—	—	—	—	—	—	—	31
—	—	—	—	—	—	—	—	—	32
2, 252, 682	—	—	—	—	—	4, 039, 359	4, 388, 790	—	33
200, 419	—	—	—	—	—	66, 592	—	—	34
1, 926, 794	7, 806	2, 997	—	—	—	24, 523, 492	96, 000	—	35
189, 510	75, 977	1, 099	—	—	—	271, 819	—	—	36
45, 709, 429	6, 280	223, 729	742, 450	247, 492	—	862, 843, 684	—	—	37
3, 866, 218	53, 322	42, 885	183, 551	223, 719	45, 050	4, 453, 523	—	63, 400	38
36, 332, 880	15, 803	2, 073, 589	1, 321	3, 556, 284	—	1, 187, 468, 266	4, 907, 619	—	39
3, 794, 360	126, 322	227, 927	2, 624	2, 163, 052	35, 680	7, 073, 867	—	389, 973	40
4, 261, 291	2, 054	20	—	2, 933, 656	—	59, 419, 978	462, 900	—	41
350, 136	14, 195	10	—	1, 001, 211	23, 695	552, 434	—	—	42
298, 338	—	13, 099	—	1, 661, 784	—	24, 311, 576	2, 809, 735	—	43
22, 158	—	2, 507	—	415, 431	—	296, 822	—	—	44
156, 246	—	37, 516	100	7, 479, 368	—	103, 664, 172	2, 829, 600	—	45
25, 483	—	8, 887	170	1, 104, 550	—	737, 746	—	—	46
6, 116, 936	978	125, 212	—	527, 889	—	62, 651, 104	—	—	47
506, 603	9, 553	47, 569	—	238, 838	10, 714	620, 342	—	19, 887	48
100, 627, 340	32, 921	2, 476, 162	743, 871	16, 406, 453	—	2, 345, 408, 315	15, 494, 644	—	49
9, 210, 110	281, 361	330, 884	186, 345	5, 146, 801	115, 139	14, 176, 654	—	473, 260	50



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