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NON-METALLIC MINERAL PRODUCTS 1955 GENERAL REVIEW

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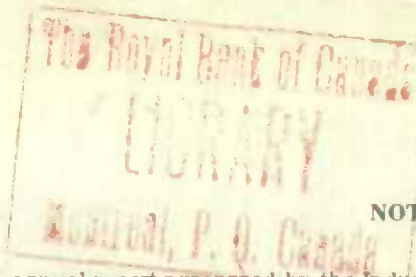
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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** - The Primary Industries, including mining, forestry and fisheries; **Volume II** - Manufacturing; **Volume III** - Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
- VII - Textile Mills
- VIII - Knitting Mills
- IX - Clothing
- X - Wood and Paper Products
- XI - Printing Trades
- XII - Iron and Steel Products
- XIII - Transportation Equipment
- XIV - Non-ferrous Metal Products
- XV - Electrical Apparatus and Supplies
- XVI - Non-metallic Mineral Products
- XVII - Products of Petroleum and Coal
- XVIII - Chemicals and Allied Products
- XIX - Miscellaneous Manufactures

The present report belongs in Part XVI, Non-metallic Mineral Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A - General Review, 25¢
- B - The Artificial Abrasives Industry, 25¢
- C - The Asbestos Products Industry, 25¢
- P - The Cement Manufacturing Industry (also in Mining), 25¢
- D - The Concrete Products Industry, 25¢
- E - The Glass and Glass Products Industry, 25¢
- K - The Gypsum Industry (also in Mining), 25¢
- Q - The Clay and Clay Products Industry (also in Mining), 25¢
- R - The Lime Industry (also in Mining), 25¢
- M - The Salt Industry (also in Mining), 25¢
- T - The Stone Industry (also in Mining), 25¢
- G - The Miscellaneous Non-metallic Mineral Products Industry, 25¢

(March 7, 1958)

NON-METALLIC MINERAL PRODUCTS

1955

GENERAL REVIEW

The new Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics in its compilation 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 \$514 millions in 1955, an increase of 18 per cent over 1954. Employees numbered 38,949 in 1955 and their salaries and wages totalled \$131 millions. Materials for manufacturing cost \$174 millions and fuel and electricity cost \$40 millions.

Twelve of the industries in this group showed increases in output values compared with 1954 and one industry registered a slight decline. For the first group the values, in millions of dollars (1954 in brackets) were as follows: Asbestos products, \$30.1 (\$23.8); abrasive products, \$42.5 (\$38.7); cement, \$63.8 (\$62.2); concrete products, \$133.8 (\$102.1); glass and glass products, \$80.8 (\$68.0); gypsum products, \$31.5 (\$25.7); lime, \$16.6 (\$15.5); Miscellaneous, \$17.8 (\$14.3); products from domestic clays, \$35.3 (\$32.4); products from imported clays, \$18.4 (\$16.0); salt, \$11.9 (\$9.9); stone products, \$25.0 (\$24.9). Only the sand-lime brick industry showed a slight decline during the year from \$1.9 millions in 1954 to \$1.6 millions in 1955.

In 1955 there were 1,171 establishments in this group. Ontario with 523 works and production at \$266.3 millions accounted for 51.8 per cent of the total output and for 51 per cent of the employees. Quebec's 339 plants with 11,467 employees and production worth \$152.2 millions accounted for 29.4 per cent and 29.6 per cent respectively of the Canada totals.

Note: Where shipments data are available the net value of production is arrived at by subtracting from the value of factory shipments the cost of materials and supplies used and fuel and electricity used and adjusting for changes in inventory.

Where production data are available the net value is arrived at as above except that no adjustments for inventory changes are necessary.

NON-METALLIC MINERAL PRODUCTS

TABLE 1. Principal Statistics for the Non-metallic Mineral Products Group, by Industries, 1954 and 1955

Industry	Number of plants	Number of 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
			\$	\$	\$	\$	\$
1954							
Abrasive products	17	2,638	9,990,100	3,952,382	15,443,744	38,653,517	19,257,391
Asbestos products	16	1,885	6,455,586	620,999	10,397,063	23,768,763	12,750,701
Cement	12	2,605	9,918,393	11,576,516	10,667,304	62,196,947*	39,953,127
Concrete products	555	7,539	22,631,373	2,843,487	46,304,232	102,096,151	52,450,432
Glass and glass products	117	7,526	24,693,309	4,315,580	26,606,278	67,933,201	37,066,343
Gypsum products	12	1,707	5,549,281	1,273,327	11,556,380	25,749,404	12,919,697
Lime	40	1,017	3,368,422	3,382,054	1,295,963	15,438,731*	10,810,714
Miscellaneous	54	875	2,803,722	481,619	6,734,130	14,263,695	7,047,946
Products from domestic clays	125	4,102	12,842,771	5,253,397	770,415	32,360,092*	26,336,286
Products from imported clays	36	2,044	6,295,674	847,464	4,091,984	15,985,555	11,046,107
Salt	13	739	2,536,033	758,120	1,944,611	9,854,135*	7,151,404
Sand-lime brick	4	146	496,998	78,914	515,425	1,930,525	1,336,186
Stone products	159	2,356	7,261,917	854,481	8,292,982	24,870,273	15,722,310
Total	1,160	35,229	114,849,079	36,238,340	145,120,513	435,208,000	253,849,144
1955							
Abrasive products	17	2,695	10,567,048	4,422,194	15,293,264	42,519,695	21,933,836
Asbestos products	16	2,075	7,222,575	729,134	12,889,656	30,127,022	16,393,374
Cement	12	2,822	11,100,205	12,970,470	11,505,305	68,812,666*	44,336,891
Concrete products	592	9,730	30,730,408	4,047,436	63,323,732	133,326,687	68,502,883
Glass and glass products	108	7,870	26,291,404	4,173,712	31,000,677	80,330,622	45,139,201
Gypsum products	12	1,977	6,330,304	1,438,300	13,893,069	31,469,039	16,388,745
Lime	39	1,118	3,649,141	3,474,710	1,308,751	16,576,891*	11,793,430
Miscellaneous	50	950	3,178,971	610,089	3,142,112	17,816,456	9,042,987
Products from domestic clays	118	4,270	13,566,021	5,287,490	886,736	35,259,770	30,178,957
Products from imported clays	37	2,105	6,813,657	916,851	4,911,302	18,394,390	12,634,247
Salt	13	809	2,839,440	1,019,017	2,280,268	11,869,077*	8,569,792
Sand-lime brick	4	162	571,315	87,972	443,848	1,630,677	1,057,528
Stone products	153	2,316	7,445,642	892,343	8,610,581	24,985,309	15,684,596
Total	1,171	38,949	131,006,731	40,069,718	174,489,301	514,118,801	301,656,877

1. See footnote to text.

* Production for these industries.

TABLE 2. Principal Statistics for the Non-metallic Mineral Products Group, by Provinces, 1954 and 1955

Province	Number of plants	Number of 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
			\$	\$	\$	\$	\$
1954							
Newfoundland	14	343	1,020,379	375,527	1,042,736	3,070,180	1,651,917
Prince Edward Island	34	647	1,558,337	553,320	1,755,101	5,955,310	3,646,889
Nova Scotia	24	534	1,455,888	1,062,112	1,338,416	5,632,522	3,231,994
New Brunswick	327	10,167	32,394,286	11,430,352	39,139,691	118,412,812	67,842,769
Quebec	529	18,244	62,033,368	17,600,435	78,998,349	235,254,019	138,655,235
Ontario	38	1,060	3,058,887	1,565,726	4,184,867	14,354,175	8,603,582
Manitoba	29	310	378,163	190,706	764,099	3,217,652	2,263,047
Saskatchewan	76	2,442	7,459,869	1,537,310	10,969,221	30,159,491	17,652,960
Alberta	89	1,482	4,989,902	1,922,852	6,928,036	19,151,639	10,300,751
British Columbia	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000	253,849,144
Canada	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000	253,849,144
1955							
Newfoundland	13	340	1,180,549	435,451	1,398,780	4,333,494	2,536,342
Prince Edward Island	33	601	1,601,517	585,691	1,748,017	6,136,843	3,782,582
Nova Scotia	24	539	1,421,316	1,058,711	1,545,417	6,237,387	3,591,894
New Brunswick	339	11,467	37,459,420	12,853,403	52,843,933	152,196,126	85,403,450
Quebec	523	19,960	69,831,593	19,049,742	90,274,280	266,277,871	153,642,076
Ontario	39	1,213	3,807,792	2,095,468	5,441,725	18,217,066	10,887,223
Manitoba	34	352	1,018,541	223,992	975,338	3,917,962	2,827,320
Saskatchewan	76	2,673	8,236,406	1,644,766	12,111,809	33,035,307	19,897,031
Alberta	90	1,804	6,449,097	2,119,494	3,144,502	23,765,705	14,028,504
British Columbia	1,171	38,949	131,006,731	40,069,718	174,489,301	514,118,801	301,656,877
Canada	1,171	38,949	131,006,731	40,069,718	174,489,301	514,118,801	301,656,877

1. See footnote to text.

TABLE 3. Inventories¹ in the Non-metallic Mineral Products Group, by Industries, 1955

Industry	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Abrasive products	4,516,845	754,189	3,205,045	8,476,079
Asbestos products	2,400,901	852,013	2,573,432	5,826,346
Cement	2,045,087	357,617	366,543	2,769,247
Concrete products	3,108,561	464,001	4,114,845	7,687,407
Glass and glass products	6,064,919	538,052	6,644,536	13,247,507
Gypsum products	2,337,562	149,817	589,548	3,076,927
Lime	786,581	19,106	73,216	878,903
Miscellaneous	1,359,488	146,266	1,508,427	3,014,181
Products from domestic clays	280,283	221,923	843,101	1,345,307
Products from imported clays	1,300,077	347,866	909,986	2,557,929
Salt	238,543	—	—	238,543
Sand-lime brick	66,779	6,000	69,885	142,664
Stone products	1,924,144	245,502	796,419	2,966,065
Total	26,429,770	4,102,352	21,694,983	52,227,105
Closing:				
Abrasive products	4,539,491	1,042,593	2,334,644	7,916,728
Asbestos products	2,338,981	892,132	2,459,074	5,690,187
Cement	10,730,779	827,516	1,530,566	13,088,861
Concrete products	4,012,467	420,117	6,156,209	10,588,793
Glass and glass products	7,310,864	421,063	6,127,504	13,859,431
Gypsum products	2,319,608	125,975	840,623	3,286,206
Lime	1,116,436	22,185	102,833	1,241,454
Miscellaneous	2,002,764	289,840	1,487,159	3,779,763
Products from domestic clays	617,688	448,524	1,936,514	3,002,726
Products from imported clays	1,327,151	407,201	977,996	2,712,346
Salt	312,753	—	—	312,753
Sand-lime brick	57,245	2,289	28,556	88,090
Stone products	2,123,759	323,453	998,040	3,445,252
Total	38,809,986	5,222,888	24,979,718	69,012,592

TABLE 4. Inventories in the Non-metallic Mineral Products Group, by Provinces, 1955

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Newfoundland	490,113	91,762	297,467	879,342
Prince Edward Island	3,870	1,304	14,246	19,420
Nova Scotia	122,897	3,144	192,361	318,402
New Brunswick	211,338	11,831	144,463	367,632
Quebec	7,860,543	1,308,821	7,722,982	16,892,346
Ontario	14,638,838	2,327,996	10,913,192	27,880,026
Manitoba	848,371	72,744	347,442	1,268,557
Saskatchewan	117,434	18,097	124,791	260,322
Alberta	1,035,010	179,415	1,092,552	2,306,977
British Columbia	1,101,356	87,238	845,487	2,034,081
Canada	26,429,770	4,102,352	21,694,983	52,227,105
Closing:				
Newfoundland	514,110	113,475	336,629	964,214
Prince Edward Island	7,625	1,570	13,065	22,260
Nova Scotia	89,892	5,365	175,949	271,206
New Brunswick	660,959	43,323	172,210	876,492
Quebec	12,666,290	1,596,302	7,061,768	21,324,360
Ontario	18,916,086	2,896,139	12,930,297	34,742,522
Manitoba	1,978,857	203,018	693,450	2,875,325
Saskatchewan	135,475	31,595	233,979	401,049
Alberta	2,596,224	220,843	1,872,121	4,689,188
British Columbia	1,244,468	111,258	1,490,250	2,845,976
Canada	38,809,986	5,222,888	24,979,718	69,012,592

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, 1954 and 1955

Industry	Average number of employees				Total	Earnings		
	Supervisory and office		Production and related workers			Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1954								
Abrasive products	415	176	1,978	69	2,638	2,510,740	7,479,360	9,990,100
Asbestos products	315	119	1,270	181	1,885	1,585,209	4,870,377	6,455,586
Cement	231	33	2,338	3	2,605	1,156,204	8,762,189	9,918,393
Concrete products	1,320	244	5,935	40	7,539	5,391,224	17,240,149	22,631,373
Glass and glass products	859	476	5,194	997	7,526	5,225,225	19,473,584	24,698,809
Gypsum products	294	117	1,286	10	1,707	1,736,581	3,612,700	5,549,281
Lime	87	17	911	2	1,017	422,793	2,945,629	3,368,422
Miscellaneous	207	72	515	81	875	1,044,921	1,758,801	2,803,722
Products from domestic clays	335	94	3,593	80	4,102	1,774,576	11,068,195	12,842,771
Products from imported clays	244	84	1,252	464	2,044	1,328,283	4,967,391	6,295,674
Salt	188	62	489	50	789	979,011	1,557,022	2,536,033
Sand-lime brick	14	1	131	-	146	68,541	428,457	496,998
Stone products	425	130	1,785	16	2,356	2,043,431	5,218,486	7,261,917
Total	4,934	1,625	26,677	1,993	35,229	25,266,739	89,582,340	114,849,079
1955								
Abrasive products	418	179	2,004	94	2,695	2,787,144	7,779,904	10,567,048
Asbestos products	327	131	1,416	201	2,075	1,920,562	5,302,013	7,222,575
Cement	258	46	2,515	3	2,822	1,404,885	9,695,320	11,100,205
Concrete products	1,614	307	7,819	40	9,780	7,388,440	23,341,968	30,730,408
Glass and glass products	878	486	5,496	1,010	7,870	5,390,689	20,900,715	26,291,404
Gypsum products	458	113	1,398	8	1,977	2,355,124	4,475,780	6,830,904
Lime	96	15	1,005	2	1,118	453,669	3,395,472	3,849,141
Miscellaneous	194	80	600	76	950	1,225,331	1,953,640	3,178,971
Products from domestic clays	364	92	3,743	71	4,270	1,935,613	11,630,408	13,566,021
Products from imported clays	231	89	1,325	460	2,105	1,346,767	5,466,890	6,813,657
Salt	178	63	515	53	809	986,324	1,853,116	2,839,440
Sand-lime brick	14	2	146	-	162	77,943	493,372	571,315
Stone products	440	132	1,736	8	2,316	2,230,693	5,214,949	7,445,642
Total	5,470	1,735	29,718	2,026	38,949	29,503,184	101,503,547	131,006,731

TABLE 6. Employees and Their Earnings in the Non-metallic Mineral Products Group, by Provinces, 1954 and 1955

Province	Average number of employees				Total	Earnings		
	Supervisory and office		Production and related workers			Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1954								
Newfoundland	62	12	268	1	343	231,006	789,373	1,020,379
Prince Edward Island								
Nova Scotia	87	24	521	15	647	383,194	1,175,143	1,558,337
New Brunswick	53	13	440	28	534	251,036	1,204,852	1,455,888
Quebec	1,353	375	7,747	692	10,167	6,330,120	26,064,166	32,394,286
Ontario	2,726	1,043	13,552	923	18,244	15,094,146	46,939,222	62,033,368
Manitoba	124	33	877	26	1,060	588,124	2,470,763	3,058,887
Saskatchewan	53	7	244	6	310	196,679	681,484	878,163
Alberta	250	64	1,851	277	2,442	1,150,057	6,309,812	7,459,869
British Columbia	226	54	1,177	25	1,482	1,042,377	5,947,525	4,989,902
Canada	4,934	1,625	26,677	1,993	35,229	25,266,739	89,582,340	114,849,079
1955								
Newfoundland	66	11	262	1	340	285,060	895,489	1,180,549
Prince Edward Island								
Nova Scotia	84	26	478	13	601	380,557	1,220,960	1,601,517
New Brunswick	52	13	454	20	539	208,071	1,213,745	1,421,816
Quebec	1,513	414	8,888	652	11,467	7,725,753	29,733,667	37,459,420
Ontario	3,018	1,090	14,822	1,030	19,960	17,262,653	52,568,940	69,831,593
Manitoba	150	39	1,008	16	1,213	690,167	3,117,625	3,807,792
Saskatchewan	68	9	270	7	352	211,209	807,332	1,018,541
Alberta	266	70	2,068	269	2,673	1,430,308	6,806,098	8,236,406
British Columbia	255	63	1,468	18	1,804	1,309,406	5,139,691	6,449,097
Canada	5,470	1,735	29,718	2,026	38,949	29,503,184	101,503,547	131,006,731

TABLE 7. Production and Related Workers (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Industries, 1954 and 1955

Industry	January	February	March	April	May	June	July
(number)							
1954							
Abrasive products	2,127	2,166	2,153	2,160	2,187	2,090	2,084
Asbestos products	1,481	1,495	1,462	1,423	1,399	1,422	1,427
Cement	2,150	2,218	2,244	2,289	2,385	2,407	2,404
Concrete products	4,493	4,359	4,718	5,401	6,209	6,642	6,946
Glass and glass products	6,347	6,389	6,270	6,200	6,354	5,395	6,320
Gypsum products	1,084	1,142	1,289	1,330	1,344	1,325	1,401
Lime	819	830	856	906	960	941	934
Miscellaneous	582	583	580	580	577	596	604
Products from domestic clays	3,073	3,110	3,155	3,329	3,805	4,006	4,131
Products from imported clays	1,689	1,700	1,749	1,748	1,753	1,756	1,701
Salt	516	544	498	505	527	536	579
Sand-lime brick	146	139	135	128	136	136	145
Stone products	1,652	1,600	1,648	1,757	1,792	1,832	1,908
Total	26,159	26,275	26,757	27,756	29,428	30,084	30,584
1955							
Abrasive products	1,829	1,870	1,923	1,964	1,982	2,039	2,188
Asbestos products	1,513	1,532	1,559	1,573	1,584	1,633	1,644
Cement	2,387	2,375	2,363	2,402	2,547	2,568	2,682
Concrete products	5,649	5,621	6,177	7,310	8,421	9,063	9,341
Glass and glass products	5,762	6,165	6,262	6,138	6,240	5,591	7,050
Gypsum products	1,200	1,232	1,249	1,413	1,394	1,446	1,511
Lime	903	913	946	946	987	1,013	1,024
Miscellaneous	618	617	643	657	648	677	702
Products from domestic clays	3,174	3,065	3,185	3,501	3,981	4,137	4,267
Products from imported clays	1,729	1,752	1,777	1,781	1,772	1,803	1,806
Salt	511	541	467	455	466	506	498
Sand-lime brick	138	132	108	117	147	157	158
Stone products	1,549	1,589	1,653	1,684	1,778	1,885	1,883
Total	26,962	27,404	28,312	29,941	31,947	33,518	34,754
	August	September	October	November	December	Average for year	
(number)							
1954							
Abrasive products	2,090	1,955	1,892	1,859	1,817	2,048	
Asbestos products	1,491	1,458	1,459	1,444	1,459	1,451	
Cement	2,425	2,397	2,367	2,395	2,370	2,341	
Concrete products	7,181	7,084	6,921	6,468	5,422	5,975	
Glass and glass products	5,987	5,744	6,162	6,176	5,992	6,191	
Gypsum products	1,388	1,473	1,341	1,301	1,146	1,296	
Lime	916	923	961	973	887	913	
Miscellaneous	607	631	641	628	618	596	
Products from domestic clays	4,163	4,080	3,898	3,657	3,449	3,673	
Products from imported clays	1,675	1,708	1,690	1,697	1,702	1,716	
Salt	572	558	553	544	522	539	
Sand-lime brick	141	124	120	118	114	131	
Stone products	1,893	1,958	1,960	1,852	1,765	1,801	
Total	30,529	30,093	29,965	29,112	27,263	28,670	
1955							
Abrasive products	2,258	2,261	2,274	2,293	2,295	2,098	
Asbestos products	1,672	1,694	1,595	1,682	1,636	1,617	
Cement	2,719	2,599	2,557	2,520	2,492	2,518	
Concrete products	9,483	9,090	8,927	8,142	7,124	7,859	
Glass and glass products	7,131	6,736	6,583	6,861	6,565	6,506	
Gypsum products	1,548	1,485	1,510	1,484	1,389	1,406	
Lime	1,028	1,045	1,095	1,098	1,049	1,007	
Miscellaneous	683	728	739	723	681	676	
Products from domestic clays	4,307	4,213	4,041	3,894	3,678	3,814	
Products from imported clays	1,776	1,805	1,826	1,828	1,815	1,785	
Salt	527	700	714	720	683	568	
Sand-lime brick	160	159	159	158	158	146	
Stone products	1,889	1,906	1,878	1,529	1,753	1,744	
Total	35,181	34,421	33,998	32,932	31,318	31,744	

NON-METALLIC MINERAL PRODUCTS

TABLE 8. Production and Related Workers (Wage-earners) in the Non-metallic Mineral products Group, by Months and by Provinces, 1954 and 1955

Province	January	February	March	April	May	June	July
	(number)						
1954							
Newfoundland	118	166	242	283	354	313	334
Prince Edward Island	482	514	476	503	476	554	588
Nova Scotia	429	423	432	446	474	489	522
New Brunswick	7,710	7,703	7,718	8,151	8,806	8,964	8,923
Quebec	13,570	13,500	13,765	13,996	14,526	14,877	15,179
Ontario	764	748	750	864	917	970	1,018
Manitoba	150	196	228	257	306	327	320
Saskatchewan	1,902	1,920	1,996	2,095	2,356	2,393	2,470
Alberta	1,034	1,105	1,150	1,150	1,213	1,197	1,230
British Columbia							
Canada	26,159	26,275	26,757	27,756	29,428	30,084	30,584
1955							
Newfoundland	176	165	148	245	329	291	333
Prince Edward Island	411	441	417	445	473	489	495
Nova Scotia	379	371	391	435	475	503	541
New Brunswick	8,219	8,308	8,469	9,149	9,754	10,277	10,512
Quebec	13,594	13,871	14,524	15,060	15,744	16,515	17,092
Ontario	784	797	833	900	1,009	1,083	1,167
Manitoba	188	195	201	273	321	347	350
Saskatchewan	1,981	1,971	1,970	2,033	2,379	2,541	2,741
Alberta	1,230	1,285	1,359	1,401	1,463	1,472	1,523
British Columbia							
Canada	26,962	27,404	28,312	29,941	31,947	33,518	34,754
	August	September	October	November	December	Average for year	
1954							
Newfoundland	367	357	262	236	192	269	
Prince Edward Island	597	576	580	554	531	530	
Nova Scotia	514	503	502	464	435	468	
New Brunswick	8,969	8,663	8,663	8,575	8,290	8,435	
Quebec	15,046	15,158	15,294	14,858	13,961	14,475	
Ontario	1,091	1,052	988	959	731	908	
Manitoba	298	268	253	225	204	250	
Saskatchewan	2,311	2,185	2,093	1,980	1,357	2,128	
Alberta	1,336	1,331	1,330	1,261	1,062	1,202	
British Columbia							
Canada	30,529	30,093	29,965	29,112	27,263	28,670	
1955							
Newfoundland	357	322	296	278	204	263	
Prince Edward Island	527	536	537	553	545	491	
Nova Scotia	551	533	522	507	473	474	
New Brunswick	10,632	10,187	9,936	9,684	9,226	9,540	
Quebec	17,197	17,123	16,948	16,511	15,995	15,852	
Ontario	1,225	1,186	1,139	1,111	1,057	1,024	
Manitoba	338	306	295	263	234	277	
Saskatchewan	2,766	2,575	2,584	2,359	2,136	2,337	
Alberta	1,588	1,653	1,741	1,666	1,448	1,486	
British Columbia							
Canada	35,181	34,421	33,998	32,932	31,318	31,744	

TABLE 9. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1954 and 1955

Material	1954		1955		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Abrasive grains, artificial:					
For retreatment only:					
Fused alumina	tons	16,057	186,850	284	9,067
For wheels, paper, etc.:					
Fused alumina	tons	2,263	572,071	2,882	700,321
Silicon carbide	"	1,592	411,359	1,683	441,573
Abrasive grains, natural:					
Garnet	lb.	457,250	49,616	538,168	65,043
Emery	"	127,515	10,162	161,817	13,309
Quartz or flint	"	392,073	12,602	573,145	19,696
Other	-	-	1,671	-	1,392

TABLE 9. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1954 and 1955 - Concluded

Material	1954		1955	
	Quantity	Cost at works \$	Quantity	Cost at works \$
Alumina, pure	tons	5,394	4,482	356,002
Asbestos:				
Fibre	tons	24,570	32,036	4,355,817
Cloth	"	83	61	174,685
Paper	"	3,089	3,526	403,480
Yarn	"	601	648	996,564
Arsenic	lb.	337,071	356,211	20,435
Barytes	tons	237	230	12,690
Bauxite	"	255,580	211,161	6,059,182
Borax	"	2,141	1,665	164,680
Bonding and bushing materials (for abrasive wheels, etc.):				
Clay bonds	tons	385	426	55,072
Silicate	lb.	2,378	2,509	313
Elastic mixture	"	7,433	10,464	4,626
Bakelite and other synthetic resins	"	176,761	289,691	103,922
Lead for bushings	tons	35	50	17,624
Glue, animal	"	352	485	295,240
Cement, Portland, used in the concrete products industry	bags	30,065,996	40,345,209	34,613,592
Cinders	cu. yd.	225,609	227,507	449,943
Clays, imported:				
Ball	tons	7,135	9,612	284,773
China	"	8,345	9,085	257,637
Fire	"	32,182	33,562	347,813
Saggar	"	631	643	17,549
Other	"	1,338	1,306	28,233
Clays, Canadian:				
China	tons	200	600	3,520
Fire	"	-	-	2,102
Other	-	47,236	-	70,165
Coal (not for fuel):				
Anthracite	tons	341	211	1,767
Bituminous	"	13,374	15,447	160,691
Coke (not for fuel):				
Petroleum	tons	56,321	71,391	1,361,259
Other	"	27,748	29,599	572,837
Cobalt oxide	lb.	4,459	4,601	8,348
Cotton cloth and yarn	-	-	-	1,203,135
Cullet	tons	24,787	21,871	274,686
Electrodes	"	4,273	4,164	1,083,606
Firebrick, ground, broken and scrap	-	-	-	345,251
Feldspar	tons	9,333	11,336	317,724
Fluorspar	tons	757	692	43,161
Glass:				
Bevelled or polished edge plates	-	128,539	-	429,644
Bevelled or polished edge sheets	-	51,260	-	137,294
Figured and cathedral glass, leaded glass, etc.	-	63,979	-	67,661
Blanks for making cut glass	-	538,932	-	596,727
Tubing	-	107,015	-	103,956
Plate glass for beveling, silvering, laminating, etc.	-	6,114,812	-	8,926,112
Sheet glass for beveling, silvering, laminating, etc.	-	1,620,986	-	2,369,801
Gravel	cu. yd.	1,948,928	2,561,099	4,909,989
Gypsum:				
Crude	tons	767,068	1,242,354	5,545,253
Calcined	-	-	-	-
Hair	tons	45	18	6,385
Hardware for porcelain insulators	-	980,197	-	1,199,097
Iron borings	tons	17,424	17,011	424,107
Lime	"	45,915	48,884	707,261
Mica	"	46	51	93,001
Nepheline syenite	"	15,670	15,334	440,833
Paper	-	5,418,473	-	6,617,156
Sand for concrete	cu. yd.	3,706,728	5,889,750	9,656,894
Sand, silica, and ground quartz	tons	315,370	444,893	3,327,388
Sawdust	-	71,354	-	92,970
Slag and stone for rock wool	-	497,328	-	537,889
Silver nitrate	-	79,675	-	93,962
Starch or paste	tons	2,143	2,597	442,493
Sodium silicate	"	238	979	33,040
Sodium sulphate (salt cake)	"	2,276	2,888	91,601
Stone:				
From Canadian quarries	-	1,494,319	-	1,449,838
Imported	-	1,337,530	-	1,183,829
Stone, crushed	tons	1,836,956	3,351,597	5,372,593
Steel, reinforcing	-	1,996,429	-	3,180,992
Talc	tons	2,345	3,302	129,883
Wax	-	5,801	-	6,417
Containers and packing material	-	12,581,072	-	13,654,839
All other materials ¹	-	43,235,405	-	46,942,832
Total	-	145,120,516	-	174,489,301

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".

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1954 and 1955

Product	1954		1955		
	Quantity	Value fo factory shipments	Quantity	Value of factory shipments	
		\$		\$	
Alumina, fused, crude	tons	199,857	18,883,589	177,162	16,676,424
Bentonite	-	-	298,666	-	388,785
Blocks, building:					
Concrete:					
Cinder	M	18,280	3,667,751	18,325	3,837,295
Gravel	"	93,714	20,734,267	108,548	24,611,571
Other aggregates (haydite, slag, etc.)	"	11,964	2,937,906	15,653	3,876,323
Sand-lime	"	893	164,493	1,070	188,140
Clay	tons	185,069	3,432,799	199,982	3,647,690
Concrete structural shapes, n.e.s.	-	-	4,115,099	-	5,541,193
Blocks, chimney, concrete	M	1,325	680,192	1,376	856,768
Boron carbide
Brake linings, asbestos:					
Moulded	-	-	2,571,909	-	3,087,608
Other	-	-	281,684	-	557,290
Bricks, building:					
Clay	M	467,738	20,752,225	489,240	22,157,837
Concrete	"	102,597	4,220,514	149,979	5,859,472
Sand-lime	"	40,747	1,191,508	41,630	1,143,437
Bricks and shapes, refractory, rigid:					
From Canadian clay	-	-	546,968	-	320,417
Other (chrome, magnesite, imported clay)	tons	54,667	5,136,250	68,264	6,774,908
Bricks, paving, clay	M	1,504	123,167	-	34,088
Cement, Portland	bbl.	22,352,906	58,794,653	25,154,649	65,616,142
Cements, refractory	tons	22,041	2,035,342	27,925	2,645,941
Clay:					
Fire-clay	tons	10,770	61,750	11,669	72,815
Other clay	"	-	35,944	-	60,319
Cloth, abrasive
Cloth, asbestos
Clutch facings, asbestos	No.	821,891	525,039	1,319,478	856,275
Concrete, ready-mixed	cu. yd.	3,360,704	42,753,235	5,016,548	58,918,365
Crayons, chalk and wax
Diamonds, cut and polished
Dolomite, dead-burned
Facings, foundry	-	-	305,963	-	546,572
Felts, dryer, asbestos
Ferrosilicon	tons	22,830	937,090	32,986	1,468,397
Flue lining	-	-	1,120,249	-	1,099,606
Frit, enamel
Gas, Pintsch (oil)	M cu. ft.	33,169	485,168	29,063	425,244
Gaskets, asbestos	-	-	153,017	-	186,785

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1954 and 1955 - Continued

Product	1954		1955	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Glass:				
Bevelled or polished edge plate	-	1,018,538	-	1,096,347
Bevelled or polished edge sheet	-	385,303	-	540,141
Leaded, including memorial windows	-	199,299	-	200,842
Cut (tumblers, bowls, etc.)	-	1,047,687	-	1,124,356
Pressed and blown (including bottles, sealers, ovenware, window glass, etc.)	-	42,285,363	-	45,145,856
Safety (laminated, etc.)	-	.	-	.
Glassware, for druggists, physicians and laboratories	-	576,312	-	583,075
Glassware, decorated	-	283,040	-	538,743
Granules, roofing	-	.	-	.
Insulators, electrical porcelain	-	4,767,527	-	4,866,616
Lath, gypsum	sq. ft. 325,792,296	9,604,434	396,675,440	11,612,443
Lime:				
Quick	tons 894,109	11,262,114	995,754	12,215,969
Hydrated	" 327,730	3,480,035	334,347	3,587,012
Magnesia, fused	-	.	-	.
Mica (plate, etc.)	-	.	-	.
Millboard, asbestos	-	.	-	.
Mirrors:				
Plate glass	-	2,870,779	-	3,356,935
Sheet glass	-	933,523	-	1,036,297
Monuments, cut and polished:				
Granite	-	3,344,530	-	3,429,380
Limestone	-	15,372	-	29,367
Marble	-	756,144	-	629,022
Monuments, bases and markers, semi-finished	-	110,192	-	24,311
Monuments, lettered only	-	551,891	-	659,086
Mud for oil well-drilling	-	.	-	.
Oil, core and core compound	-	105,724	-	138,466
Ornaments, christmas tree	-	.	-	.
Packings, asbestos	-	636,148	-	810,661
Paper, abrasive	-	.	-	.
Pipe and boiler covering, asbestos	-	1,465,264	-	1,631,086
Pipe:				
Asbestos-cement	-	.	-	.
Concrete (drain, water, sewer, etc.)	-	11,631,582	-	18,154,300
Clay	-	3,252,691	-	3,622,636
Plaster, gypsum:				
Hard wall	tons 223,456	4,484,590	232,801	4,702,885
Other	" 30,567	625,474	60,931	1,501,939

TABLE 10. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1954 and 1955 - Concluded

Product	1954		1955	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
Pottery.....	-	7,062,172	-	7,342,897
Pulpstones, artificial.....	-	.	-	.
Salt:				
Brine..... tons	450,242	677,209	529,303	937,990
Dry..... "	519,645	9,176,926	715,458	10,875,023
Sheathing, gypsum.....sq. ft.	6,168,843	250,511	9,983,436	405,486
Shingles, asbestos.....	-	.	-	.
Silicon carbide, crude..... tons	50,321	6,944,862	74,947	9,681,788
Silicon carbide firesand..... "	871	103,723	409	32,757
Stone, cast.....	-	3,135,229	-	4,203,562
Stone, building:				
Granite.....	-	1,034,539	-	1,027,204
Limestone.....	-	3,846,095	-	3,065,364
Marble.....	-	847,984	-	962,238
Sandstone.....	-	.	-	.
Stones and files, sharpening.....	-	234,575	-	252,519
Stucco, cement.....	-	443,338	-	296,636
Tile, floor and wall.....	-	1,799,000	-	2,538,077
Tile and blocks, gypsum.....	-	.	-	.
Tile, drain, clay..... M	42,817	2,554,711	49,540	2,980,690
Tile, haydite.....	-	.	-	.
Tubs, laundry, concrete..... No.	35,910	549,890	54,216	668,547
Vaults, burial, concrete..... No.	4,505	212,970	4,929	236,964
Wallboard, asbestos-cement.....	-	.	-	.
Wallboard, gypsum.....sq. ft.	261,116,324	9,814,071	303,551,960	11,745,957
Wheels and segments, abrasive.....	-	4,422,413	-	5,666,352
Wool, mineral:				
4-inch batts.....sq. ft.	3,125,786	175,061	3,889,145	202,123
3-inch batts..... "	47,487,128	1,965,399	53,453,456	2,217,785
2-inch batts..... "	141,989,830	5,126,009	153,715,835	5,302,979
Granulated.....cu. ft.	9,633,158	1,635,863	10,654,450	1,850,805
Bulk or loose..... "	1,168,623	189,884	1,435,169	241,462
Industrial.....	-	4,673,847	-	3,868,391
Yarn, asbestos.....	-	.	-	.
All other products.....	-	29,842,492	-	34,608,087
Products reported by only one or two firms in this group (marked* above).....	-	35,849,234	-	49,377,419
Total.....	-	435,208,000	-	514,118,801

TABLE 11. Capital and Repair Expenditures in the Non-Metallic Mineral Products Group, 1954 and 1955

Industry	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
\$'000							
1954							
Abrasive products	411	958	1,369	93	1,552	1,675	3,044
Asbestos products	321	642	963	50	635	685	1,648
Cement	9,176	8,194	17,370	311	5,453	5,769	23,139
Concrete products	2,418	5,301	7,719	633	5,147	5,780	13,499
Glass and glass products	2,803	3,185	5,988	578	5,198	5,776	11,764
Gypsum products	731	924	1,655	196	859	1,055	2,710
Lime	83	569	652	98	835	933	1,585
Miscellaneous	493	1,015	1,508	39	276	315	1,823
Products from domestic clays	536	1,059	1,645	677	2,114	2,791	4,436
Products from imported clays	22	220	242	99	238	337	579
Salt	1,873	655	2,528	132	531	663	3,191
Sand-lime brick	18	36	54	6	101	107	161
Stone products	530	1,059	1,589	131	856	939	2,576
Total	19,465	23,817	43,282	3,043	23,832	26,875	70,157
1955							
Abrasive products	225	757	982	83	1,599	1,682	2,664
Asbestos products	133	624	757	99	913	1,012	1,769
Cement	11,261	9,992	21,253	356	612	968	22,221
Concrete products	3,422	7,734	11,156	1,174	7,551	8,725	19,881
Glass and glass products	1,360	1,794	3,154	493	4,473	4,966	8,120
Gypsum products	875	858	1,733	34	1,049	1,083	2,816
Lime	121	477	598	139	957	1,096	1,694
Miscellaneous	129	351	480	62	355	417	897
Products from domestic clays	2,110	1,720	3,830	516	2,038	2,554	6,384
Products from imported clays	32	218	250	127	295	422	672
Salt	1,887	831	2,718	182	630	812	3,530
Sand-lime brick	7	15	22	4	95	99	121
Stone products	570	720	1,290	107	1,036	1,143	2,433
Total	22,132	26,091	48,223	3,376	21,603	24,979	73,202

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