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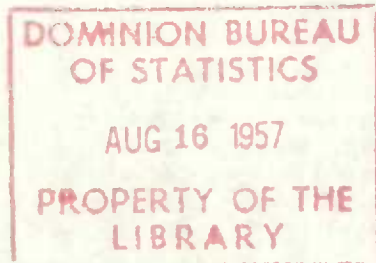


CANADA

NON-METALLIC MINERAL PRODUCTS

1954

GENERAL REVIEW



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NOTICE

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

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

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 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¢

NON-METALLIC MINERAL PRODUCTS 1954

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 \$435 millions in 1954, an increase of 7 per cent over 1953. Employees numbered 35,229 in 1954 and their salaries and wages totalled \$115 millions. Materials for manufacturing cost \$145 millions and fuel and electricity cost \$36 millions.

Ten of the industries in this group showed increases in output values compared with 1953 two industries registered declines and one remained unchanged. For the first group the values, in millions of dollars (1953 in brackets) were as follows: Asbestos products, \$23.8 (\$22.0); concrete products, \$102.1 (\$77.9); gypsum products, \$25.7 (\$22.7); lime, \$15.5 (\$15.2); miscellaneous, \$14.3 (\$13.2); products from domestic clays, \$32.4 (\$29.8); products from imported clays, \$16.0 (\$14.9); salt, \$9.9 (\$8.4); sand-lime brick, \$1.9 (\$1.8); stone \$24.9 (\$22.7). For the industries showing declines the values were as follows: Abrasives products, \$38.7 (\$46.3); glass and glass products, \$68.0 (\$72.9). Cement remained unchanged at \$62.2 millions.

In 1954 there were 1,160 establishments in this group. Ontario with 529 works and production at \$138.7 millions accounted for 54 per cent of the total output and for 50 per cent of the employees. Quebec's 327 plants with 10,167 employees and production worth \$67.8 millions accounted for 29 per cent and 27 per cent respectively of the Canada totals.

Note: Figures for value added by manufacture, shown in Tables 1 and 2, prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952, the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954, information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figure for 1954. Inventory data were not available for the cement, lime, products from domestic clays and salt industries, and therefore, the value added was calculated on the former basis for this group.

NON-METALLIC MINERAL PRODUCTS

TABLE 1. Principal Statistics for the Non-metallic Mineral Products Group, by Industries, 1953 and 1954

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 products at works	Net value of production ¹
			\$	\$	\$	\$	\$
1953							
Abrasive products.....	18	2,742	9,900,748	4,051,134	16,869,606	46,253,877	25,333,137
Asbestos products.....	18	1,930	6,223,024	557,589	10,363,034	22,030,972	11,110,349
Cement.....	11	2,403	8,954,229	11,327,001	10,472,651	62,227,924	40,428,272
Concrete products.....	486	6,722	19,385,183	2,148,873	34,886,105	77,880,895	40,845,917
Glass and glass products.....	118	7,830	24,978,847	4,232,924	28,552,798	72,910,166	40,124,444
Gypsum products.....	11	1,522	4,625,165	1,112,615	10,249,318	22,666,406	11,304,473
Lime.....	42	1,068	3,312,912	3,387,340	1,221,547	15,209,107	10,600,220
Miscellaneous.....	52	855	2,603,205	503,652	6,594,302	13,227,517	6,129,563
Products from domestic clays.....	125	3,881	11,458,074	4,843,283	799,534	29,777,731	24,134,914
Products from imported clays.....	37	2,254	6,280,614	844,345	3,943,943	14,871,948	10,083,660
Salt.....	12	750	2,274,812	959,927	1,866,106	8,405,789	5,579,756
Sand-lime brick.....	5	178	558,490	82,860	483,747	1,754,091	1,187,484
Stone products.....	159	2,217	6,719,771	922,948	7,816,157	22,695,639	13,956,534
Total.....	1,094	34,352	107,275,074	34,974,491	134,118,848	409,912,062	240,818,723
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	10,397,068	23,768,768	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	46,804,232	102,098,151	52,450,432
Glass and glass products.....	117	7,526	24,698,809	4,315,580	26,606,278	67,988,201	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	15,488,731	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	32,360,098	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	789	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	15,722,810
Total.....	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000	253,849,144

1. See footnote to text.

TABLE 2. Principal Statistics for the Non-metallic Mineral Products Group, by Provinces, 1953 and 1954

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 products at works	Net value of production ¹
			\$	\$	\$	\$	\$
1953							
Newfoundland.....	15	324	999,737	350,515	992,658	3,095,789	1,752,616
Prince Edward Island.....	29	617	1,448,362	537,820	1,883,952	5,410,762	2,988,990
Nova Scotia.....	23	543	1,496,069	1,074,822	1,856,122	6,635,061	3,704,117
New Brunswick.....	307	10,062	29,618,484	10,915,616	36,503,726	110,667,335	63,247,993
Quebec.....	502	17,578	58,221,614	17,052,710	71,157,289	219,570,624	131,360,625
Ontario.....	39	1,085	3,048,634	1,455,029	4,104,808	14,215,394	8,655,557
Manitoba.....	29	359	997,583	189,373	864,216	3,399,563	2,345,974
Saskatchewan.....	69	2,359	6,860,139	1,507,389	10,238,533	29,320,200	17,574,278
Alberta.....	81	1,425	4,584,452	1,691,217	6,517,544	17,597,334	9,188,573
Canada.....	1,094	34,352	107,275,074	34,974,491	134,118,848	409,912,062	240,818,723
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	878,163	190,706	764,099	3,217,852	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
Canada.....	1,160	35,229	114,849,079	36,238,340	145,120,516	435,208,000	253,849,144

1. See footnote to text.

TABLE 3. Employees and Their Earnings in the Non-metallic Mineral Products Group, by Industries, 1953 and 1954

Industry	Average number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1953								
Abrasive products.....	338	193	2,128	83	2,742	2,135,216	7,765,532	9,900,748
Asbestos products.....	298	120	1,315	197	1,930	1,599,643	4,623,381	6,223,024
Cement.....	146	22	2,232	3	2,403	759,814	8,194,415	8,954,229
Concrete products.....	1,154	219	5,289	60	6,722	4,707,342	14,677,841	19,385,183
Glass and glass products.....	909	528	5,394	999	7,830	5,268,094	19,710,753	24,978,847
Gypsum products.....	242	103	1,166	11	1,522	1,454,790	3,170,375	4,625,165
Lime.....	89	18	960	1	1,068	417,946	2,894,966	3,312,912
Miscellaneous.....	171	74	535	75	855	965,789	1,637,416	2,603,205
Products from domestic clays.....	320	84	3,382	95	3,881	1,591,348	9,866,726	11,458,074
Products from imported clays.....	222	92	1,337	603	2,254	1,280,066	5,000,548	6,280,614
Salt.....	156	45	501	48	750	727,345	1,547,467	2,274,812
Sand-lime brick.....	14	2	162	-	178	64,000	494,490	558,490
Stone products.....	415	126	1,655	21	2,217	1,819,845	4,899,926	6,719,771
Total.....	4,474	1,626	26,056	2,196	34,352	22,791,238	84,483,836	107,275,074
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	3,812,700	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

TABLE 4. Employees and Their Earnings in the Non-metallic Mineral Products Group, by Provinces, 1953 and 1954

Province	Average number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1953								
Newfoundland.....	40	14	269	1	324	179,985	819,752	999,737
Prince Edward Island.....	70	22	514	11	617	280,657	1,167,705	1,448,362
Nova Scotia.....	55	8	451	29	543	220,712	1,275,357	1,496,069
Quebec.....	1,212	356	7,692	802	10,062	5,364,517	24,253,967	29,618,484
Ontario.....	2,462	1,078	13,064	974	17,578	13,971,036	44,250,578	58,221,614
Manitoba.....	122	29	905	29	1,085	529,510	2,519,124	3,048,634
Saskatchewan.....	58	8	284	9	359	200,822	796,761	997,583
Alberta.....	233	52	1,757	317	2,359	1,092,529	5,767,610	6,860,139
British Columbia.....	222	59	1,120	24	1,425	951,470	3,632,982	4,584,452
Canada.....	4,474	1,626	26,056	2,196	34,352	22,791,238	84,483,836	107,275,074
1954								
Newfoundland.....	62	12	268	1	343	231,006	789,373	1,020,379
Prince Edward Island.....	87	24	521	15	647	383,194	1,175,143	1,558,337
Nova Scotia.....	53	13	440	28	534	251,036	1,204,852	1,455,888
New Brunswick.....	1,353	375	7,747	692	10,167	6,330,120	26,064,166	32,394,286
Quebec.....	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	3,947,525	4,989,902
Canada.....	4,934	1,625	26,677	1,993	35,229	25,266,739	89,582,340	114,849,079

NON-METALLIC MINERAL PRODUCTS

TABLE 5. Production and Related Workers (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Industries, 1953 and 1954

Industry	January	February	March	April	May	June	July
(number)							
1953							
Abrasive products	2,067	2,088	2,128	2,176	2,257	2,341	2,293
Asbestos products	1,550	1,558	1,550	1,508	1,536	1,531	1,524
Cement	2,087	2,149	2,137	2,188	2,287	2,308	2,324
Concrete products	4,269	4,158	4,366	4,665	5,479	5,980	6,149
Glass and glass products	5,858	6,089	6,400	6,470	6,492	6,564	6,597
Gypsum products	1,034	1,054	1,107	1,119	1,137	1,198	1,305
Lime	888	886	912	956	974	1,008	991
Miscellaneous	533	562	533	602	671	653	631
Products from domestic clays	2,903	2,840	2,909	3,259	3,669	3,859	3,952
Products from imported clays	2,074	1,982	1,986	1,913	1,916	1,960	1,909
Salt	520	536	518	522	537	549	575
Sand-lime brick	162	152	152	153	154	155	158
Stone products	1,530	1,518	1,548	1,585	1,646	1,692	1,765
Total	25,455	25,572	26,246	27,316	28,755	29,796	30,173
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	6,395	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	3,905	4,006	4,131
Products from imported clays	1,689	1,700	1,749	1,748	1,753	1,756	1,794
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	30,388
(number)							
	August	September	October	November	December	Average for Year	
1953							
Abrasive products	2,305	2,275	2,204	2,207	2,200	2,211	
Asbestos products	1,520	1,556	1,494	1,421	1,377	1,512	
Cement	2,322	2,276	2,269	2,271	2,212	2,235	
Concrete products	6,233	6,050	5,891	5,629	5,158	5,349	
Glass and glass products	6,654	6,362	6,340	6,381	6,474	6,393	
Gypsum products	1,326	1,266	1,249	1,239	1,129	1,177	
Lime	982	970	1,034	1,008	911	961	
Miscellaneous	643	626	627	621	609	610	
Products from domestic clays	3,909	3,844	3,691	3,563	3,366	3,477	
Products from imported clays	1,970	1,913	1,933	1,903	1,789	1,940	
Salt	587	581	584	551	537	549	
Sand-lime brick	163	164	177	176	179	162	
Stone products	1,774	1,812	1,793	1,774	1,652	1,676	
Total	30,388	29,700	29,285	28,744	27,593	28,252	
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	5,162	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	1,901	
Total	30,529	30,093	29,965	29,112	27,263	28,576	

TABLE 6. Production and Related Workers (Wage-earners) in the Non-metallic Mineral products Group, by Months and by Provinces, 1953 and 1954

Province	January	February	March	April	May	June	July
	(number)						
1953							
Newfoundland	191	201	203	238	282	319	344
Prince Edward Island	479	438	445	461	538	536	563
Nova Scotia	419	417	435	462	479	485	494
New Brunswick	7,813	7,742	7,868	8,250	8,741	9,054	9,095
Quebec	12,751	12,915	13,352	13,787	14,241	14,611	14,751
Ontario	713	734	766	824	936	1,009	1,044
Manitoba	212	229	260	298	335	364	363
Saskatchewan	1,862	1,860	1,846	1,911	2,054	2,239	2,314
Alberta	1,015	1,036	1,071	1,085	1,149	1,179	1,205
British Columbia							
Canada	25,455	25,572	26,246	27,316	28,755	29,796	30,173
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	2,096	2,396	2,393	2,470
Alberta	1,034	1,105	1,150	1,160	1,213	1,197	1,230
British Columbia							
Canada	26,159	26,275	26,757	27,756	29,428	30,684	30,584
	August	September	October	November	December	Average for year	
	(number)						
1953							
Newfoundland	337	326	332	311	192	270	
Prince Edward Island	597	593	578	574	498	525	
Nova Scotia	520	518	515	510	484	480	
New Brunswick	9,076	8,854	8,648	8,544	8,156	8,494	
Quebec	14,871	14,528	14,494	14,291	13,995	14,038	
Ontario	1,072	1,073	1,097	1,098	911	934	
Manitoba	347	308	289	271	245	293	
Saskatchewan	2,344	2,256	2,113	2,072	1,968	2,074	
Alberta	1,224	1,244	1,219	1,163	1,144	1,244	
British Columbia							
Canada	30,388	29,700	29,285	28,744	27,593	28,252	
1954							
Newfoundland	387	357	262	236	192	289	
Prince Edward Island	597	576	580	554	531	536	
Nova Scotia	514	503	502	464	435	468	
New Brunswick	8,969	8,663	8,663	8,575	8,290	8,439	
Quebec	15,046	15,158	15,294	14,858	13,961	14,475	
Ontario	1,091	1,052	988	959	731	903	
Manitoba	298	268	253	225	204	250	
Saskatchewan	2,311	2,185	2,093	1,980	1,857	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	

TABLE 7. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1953 and 1954

Material	1953		1954	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Abrasive grains, artificial:				
For retreatment only:				
Fused alumina	tons	9,779	111,197	16,057
For wheels, paper, etc.:				
Fused alumina	tons	2,657	665,116	2,263
Silicon carbide	"	1,706	481,945	1,592
Abrasive grains, natural:				
Garnet	lb.	463,960	51,704	457,250
Emery	"	197,878	16,372	127,515
Quartz or flint	"	404,180	17,656	392,073
Other	-	-	2,424	-
				1,671

TABLE 7. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1953 and 1954 - Concluded

Material	1953		1954		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Alumina, pure	tons	8,644	685,704	5,384	426,820
Asbestos:					
Fibre	tons	25,470	3,656,065	24,570	3,759,884
Cloth	"	60	177,251	63	177,977
Paper	"	3,435	447,383	3,089	365,607
Yarn	"	507	808,776	601	923,303
Arsenic	lb.	343,279	21,426	337,071	19,252
Barytes	tons	238	10,418	237	10,531
Bauxite	"	250,869	7,479,554	255,560	6,964,785
Borax	"	2,823	278,169	2,141	211,737
Bonding and bushing materials (for abrasive wheels, etc.):					
Clay bonds	tons	497	56,066	385	48,789
Silicate	lb.	6,587	1,285	2,378	249
Elastic mixture	"	10,723	7,156	7,483	3,719
Bakelite and other synthetic resins	"	236,094	84,259	176,761	60,458
Lead for bushings	tons	46	13,973	35	10,612
Glue, animal	"	405	261,997	352	219,963
Cement, Portland, used in the concrete products industry	bags	21,786,885	19,621,842	30,065,996	26,033,102
Cinders	cu. yd.	233,607	439,420	225,609	452,544
Clays, imported:					
Ball	tons	6,527	179,977	7,135	207,675
China	"	7,245	215,722	8,345	255,618
Fire	"	32,303	353,878	32,182	340,981
Saggar	"	586	16,280	631	17,246
Other	"	871	22,275	1,338	32,289
Clays, Canadian:					
China	tons	450	4,500	200	2,000
Fire	"	4	120	-	-
Other	-	-	49,602	-	47,236
Coal (not for fuel):					
Anthracite	tons	299	2,273	341	2,381
Bituminous	"	9,836	99,794	13,374	136,285
Coke (not for fuel):					
Petroleum	tons	56,903	1,109,453	56,321	1,218,742
Other	"	39,338	755,972	27,748	515,990
Cobalt oxide	lb.	5,251	9,845	4,459	8,268
Cotton cloth and yarn	-	-	906,060	-	871,413
Cullet	tons	26,053	292,177	24,787	299,732
Electrodes	"	4,581	1,007,750	4,273	1,059,398
Firebrick, ground, broken and scrap	-	-	195,828	-	252,490
Feldspar	tons	8,604	237,028	9,333	366,628
Fluorspar	tons	672	47,890	757	59,307
Glass:					
Bevelled or polished edge plates	-	-	133,576	-	128,539
Bevelled or polished edge sheets	-	-	49,427	-	51,260
Figured and cathedral glass, leaded glass, etc.	-	-	25,748	-	63,979
Blanks for making cut glass	-	-	424,222	-	536,932
Tubing	-	-	116,944	-	107,015
Plate glass for bevelling, silvering, laminating, etc.	-	-	7,832,468	-	6,114,812
Sheet glass for bevelling, silvering, laminating, etc.	-	-	1,947,292	-	1,620,986
Gravel	cu. yd.	1,438,479	2,764,585	1,948,928	4,656,756
Gypsum:					
Crude	tons	772,331	3,332,296	767,068	2,933,825
Calcined	-	-	-	-	-
Hair	tons	55	18,881	45	14,482
Hardware for porcelain insulators	-	-	1,067,423	-	980,197
Iron borings	tons	24,506	775,747	17,424	490,512
Lime, quick	"	40,814	659,789	45,915	696,072
Mica	"	53	92,884	46	73,200
Nepheline syenite	"	15,818	415,734	15,670	424,518
Paper	-	-	5,141,075	-	5,418,473
Sand for concrete	cu. yd.	3,102,858	5,191,672	3,706,728	6,532,993
Sand, silica, and ground quartz	tons	330,070	2,849,218	315,370	2,734,926
Sawdust	-	-	75,519	-	71,354
Slag and stone for rock wool	-	-	589,093	-	497,328
Silver nitrate	-	-	94,450	-	79,675
Starch or paste	tons	1,581	302,511	2,143	359,318
Sodium silicate	"	638	19,990	238	11,826
Sodium sulphate (salt cake)	"	2,662	81,407	2,276	69,325
Stone:					
From Canadian quarries	-	-	1,245,225	-	1,494,319
Imported	-	-	994,113	-	1,337,530
Stone, crushed	tons	1,466,292	2,181,455	1,836,956	3,083,506
Steel, reinforcing	-	-	1,866,749	-	1,986,429
Talc	tons	2,164	84,264	2,345	98,631
Wax	-	-	8,925	-	5,801
Containers and packing material	-	-	12,631,755	-	12,581,072
All other materials ¹	-	-	40,180,829	-	43,235,405
Total	-	-	134,118,848	-	145,120,516

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 8. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1953 and 1954

Product	1953		1954		
	Quantity	Value of factory shipments	Quantity	Value of factory shipments	
		\$		\$	
Alumina, fused, crude	tons	245,627	25,499,674	199,857	18,883,589
Bentonite	-	-	415,529	-	298,666
Blocks, building:					
Concrete:					
Cinder	M	16,674	3,193,909	18,280	3,667,751
Gravel	"	87,589	19,233,976	93,714	20,734,287
Other aggregates (haydite, slag, etc.)	"	8,924	1,970,188	11,964	2,937,906
Sand-lime	"	629	140,110	893	164,493
Clay	tons	209,879	3,582,625	185,069	3,432,799
Haydite tile, aerocrete slabs, concrete slabs	-	-	2,781,847	-	3,988,346
Blocks, chimney, concrete	M	1,483	809,283	1,325	680,192
Boron carbide
Brake linings, asbestos:					
Moulded	-	-	3,073,335	-	2,571,909
Other	-	-	303,296	-	281,684
Bricks, building:					
Clay	M	426,446	18,352,718	467,738	20,752,225
Concrete	"	76,659	3,013,202	102,597	4,220,514
Sand-lime	"	44,119	1,266,529	40,747	1,191,508
Blocks and shapes, refractory, rigid:					
From Canadian clay	-	-	680,101	-	546,968
Other (chrome, magnesite, imported clay)	tons	51,709	4,711,512	54,667	5,136,250
Bricks, paving, clay	M	237	18,930	1,504	123,167
Cement, Portland	bbl.	22,216,678	58,802,911	22,352,906	58,794,653
Cements, refractory	tons	23,898	1,974,117	22,041	2,035,342
Clay:					
Fire-clay	tons	10,102	62,162	10,770	61,750
Other clay	"	-	36,587	-	35,944
Cloth, abrasive
Cloth, asbestos
Clutch facings, asbestos	No.	1,023,551	551,574	821,891	525,039
Concrete, ready-mixed	cu. yd.	2,169,348	27,570,788	3,360,704	42,753,235
Crayons, chalk and wax
Diamonds, cut and polished
Dolomite, dead-burned
Facings, foundry	-	-	364,706	-	305,963
Felts, dryer, asbestos
Ferrosilicon	tons	20,088	938,767	22,830	937,090
Flue lining	-	-	1,109,786	-	1,120,249
Frit, enamel
Gas, Pintsch (oil)	M cu. ft.	38,130	554,027	33,169	485,168
Gaskets, asbestos	-	-	88,451	-	153,017

NON-METALLIC MINERAL PRODUCTS

TABLE 5. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1953 and 1954 - Continued

Product	1953		1954	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Glass:				
Bevelled or polished edge plate	-	1,136,253	-	1,018,538
Bevelled or polished edge sheet	-	394,286	-	369,303
Leaded, including memorial windows	-	213,864	-	199,289
Cut (tumblers, bowls, etc.)	-	1,021,361	-	1,047,647
Pressed and blown (including bottles, sealers, ovenware, window glass, etc.)	-	44,348,405	-	42,268,363
Safety (laminated, etc.)	-	.	-	.
Glassware, for druggists, physicians and laboratories	-	550,511	-	579,312
Glassware, decorated	-	343,938	-	283,040
Granules, roofing	-	.	-	.
Insulators, electrical porcelain	-	4,481,204	-	4,707,527
Lath, gypsum	sq. ft. 269,225,013	8,152,601	325,792,298	9,605,434
Lime:				
Quick	tons 923,133	11,300,914	694,109	11,303,114
Hydrated	" 305,627	3,183,099	327,710	2,480,035
Magnesia, fused	-	.	-	.
Mica (plate, etc.)	-	.	-	.
Millboard, asbestos	-	.	-	.
Mirrors:				
Plate glass	-	2,812,629	-	2,870,779
Sheet glass	-	1,126,504	-	933,523
Monuments, cut and polished:				
Granite	-	3,127,925	-	2,344,590
Limestone	-	36,426	-	13,372
Marble	-	823,186	-	756,146
Monuments, bases and markers, semi-finished	-	166,760	-	110,180
Monuments, lettered only	-	457,199	-	551,691
Mud for oil well-drilling	-	.	-	.
Oil, core and core compound	-	128,510	-	105,734
Ornaments, christmas tree	-	.	-	.
Packings, asbestos	-	525,084	-	626,148
Paper, abrasive	-	.	-	.
Pipe and boiler covering, asbestos	-	1,306,667	-	1,463,264
Pipe:				
Asbestos-cement	-	.	-	.
Concrete (drain, water, sewer, etc.)	-	16,670,626	-	11,931,582
Clay	-	3,293,566	-	3,332,091
Plaster, gypsum:				
Hard wall	tons 198,180	3,579,497	223,456	4,484,590
Other	" 41,083	763,751	30,567	625,474

TABLE 8. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1953 and 1954 - Concluded

Product	1953		1954	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Pottery.....	-	6,908,944	-	7,062,172
Pulpstones, artificial.....	-	.	-	.
Salt:				
Brine..... tons	458,147	606,387	450,242	677,209
Dry..... "	496,781	7,799,402	519,645	9,176,926
Sheathing, gypsum..... sq. ft.	6,536,521	268,024	6,168,843	250,511
Shingles, asbestos.....	-	.	-	.
Silicon carbide, crude..... tons	52,903	7,438,243	50,321	6,944,862
Silicon carbide firesand..... "	1,724	69,595	871	103,723
Stone, cast.....	-	2,529,703	-	3,135,229
Stone, building:				
Granite.....	-	584,549	-	1,034,539
Limestone.....	-	2,502,958	-	3,846,095
Marble.....	-	665,621	-	847,984
Sandstone.....	-	.	-	.
Stones and files, sharpening.....	-	416,414	-	234,575
Stucco, cement.....	-	427,286	-	443,338
Tile, floor and wall.....	-	1,253,000	-	1,799,000
Tile and blocks, gypsum.....	-	.	-	.
Tile, drain, clay..... M	36,998	2,194,449	42,817	2,554,711
Tile, haydite.....	-	.	-	.
Tubs, laundry, concrete..... No.	32,149	482,699	35,910	549,890
Vaults, burial, concrete..... No.	3,947	190,335	4,505	212,970
Wallboard, asbestos-cement.....	-	.	-	.
Wallboard, gypsum..... sq. ft.	251,784,173	9,195,011	261,116,324	9,814,071
Wheels and segments, abrasive.....	-	5,694,066	-	4,422,413
Wool, mineral:				
4-inch batts..... sq. ft.	3,210,999	186,138	3,125,786	175,061
3-inch batts..... "	44,177,791	1,948,715	47,487,128	1,965,399
2-inch batts..... "	134,211,480	5,022,559	141,989,830	5,126,009
Granulated..... cu. ft.	9,650,156	1,639,501	9,633,158	1,635,863
Bulk or loose..... "	1,353,351	205,073	1,168,623	189,884
Industrial.....	-	4,915,309	-	4,673,847
Yarn, asbestos.....	-	.	-	.
All other products.....	-	29,253,247	-	29,989,245
Products reported by only one or two firms in this group (marked* above).....	-	35,795,816	-	35,849,234
Total.....	-	409,912,062	-	435,208,000



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TABLE 9. Capital and Repair Expenditures in the Non-Metallic Mineral Products Group, 1953 and 1954

Industry	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1953							
Abrasive products	405	922	1,327	100	1,567	1,667	2,994
Asbestos products	464	995	1,459	44	616	660	2,119
Cement	2,768	5,149	7,917	86	5,432	5,518	13,435
Concrete products	1,908	5,874	7,782	526	4,641	5,167	12,949
Glass and glass products	696	2,113	2,809	565	4,583	5,148	7,957
Gypsum products	1,884	2,318	4,202	45	683	728	4,930
Lime	212	637	849	78	798	876	1,725
Miscellaneous	301	1,418	1,719	51	349	400	2,119
Products from domestic clays	755	1,319	2,074	473	1,710	2,183	4,257
Products from imported clays	168	217	385	161	328	489	874
Salt	1,224	303	1,527	34	508	542	2,069
Sand-lime brick	10	47	57	1	83	84	141
Stone products	179	359	538	176	745	921	1,459
Total	10,974	21,671	32,645	2,340	22,043	24,383	57,028
1954							
Abrasive products	411	958	1,369	93	1,582	1,675	3,044
Asbestos products	321	642	963	50	635	685	1,648
Cement	9,176	8,194	17,370	311	5,458	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	586	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	858	989	2,578
Total	19,465	23,817	43,282	3,043	23,832	26,875	70,157