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CANADA



NON-METALLIC MINERAL PRODUCTS
1952
GENERAL REVIEW

Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Metal and Chemical Products Section

6512-659
24-1-55

Price 25 cents

Vol. 2—Part XIV—A-1

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 which they comprise.

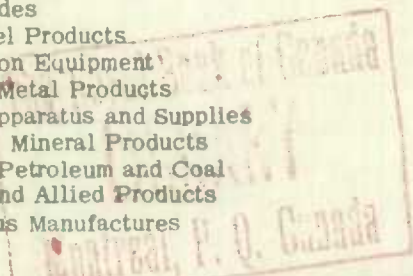
Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries, by Provinces
 - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢
 - Section 2. Principal Statistics of Individual Industries, 75¢
 - Section 3. Principal Statistics by Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
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- VIII - Wood and Paper Products
- IX - Printing Trades
- X - Iron and Steel Products
- XI - Transportation Equipment
- XII - Non-ferrous Metal Products
- XIII - Electrical Apparatus and Supplies
- XIV - Non-metallic Mineral Products
- XV - Products of Petroleum and Coal
- XVI - Chemicals and Allied Products
- XVII - Miscellaneous Manufactures

The present report belongs in Part XIV, 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¢

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NON-METALLIC MINERAL PRODUCTS

1952

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 \$350 millions in 1952, an increase of 4 per cent over 1951. Employees numbered 31,422 in 1952 and their salaries and wages totalled \$93 millions. Materials for manufacturing cost \$115 millions and fuel and electricity cost \$31 millions.

Six of the industries in this group showed increases in output values compared with 1951 while

seven industries registered declines. For the first group the values in millions of dollars (1951 in brackets) were as follows: asbestos products, \$19.6 (\$19.6); cement, \$51.0 (\$43.0); concrete products, \$67.8 (\$52.4); glass and glass products, \$58.8 (\$54.9); products from domestic clays, \$25.0 (\$23.5); stone products, \$20.1 (\$18.7). For the industries showing declines the values were as follows: abrasive products, \$36.7 (\$44.9); gypsum products, \$18.4 (\$18.9); lime, \$14.2 (\$14.7); products from imported clays, \$15.7 (\$16.9); salt, \$9.1 (\$9.2); sand-lime brick, \$1.7 (\$1.9) and the miscellaneous industry, \$12.1 (\$16.1).

In 1952 there were 1,057 establishments in this group. Ontario with 488 works and production at \$182 millions accounted for 52 per cent of the total output and for 50 per cent of the employees. Quebec's 292 plants with 9,430 employees and production worth \$103 millions accounted for 30 per cent and 29 per cent respectively of the Canada totals.

TABLE 1. Principal Statistics for the Non-metallic Mineral Products Group, by Industries, 1951 and 1952

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
			\$	\$	\$	\$	\$
1951							
Abrasive products	19	2,989	10,218,444	3,819,109	17,668,167	44,920,949	23,433,073
Asbestos products	16	1,948	6,545,725	580,066	9,157,249	19,637,451	9,900,136
Cement	10	1,943	6,304,906	9,068,296	7,324,048	43,023,845	26,631,501
Concrete products	427	5,169	13,368,425	1,592,096	23,076,549	52,441,096	27,772,451
Glass and glass products	113	6,527	18,659,288	3,542,633	20,551,774	54,913,292	30,818,885
Gypsum products	10	1,138	3,328,688	845,070	8,463,639	18,886,007	9,577,148
Lime	44	1,117	3,143,122	3,358,701	921,266	14,670,197	10,390,230
Miscellaneous	61	1,076	3,218,061	596,315	7,830,582	16,144,550	7,717,653
Products from domestic clays	129	3,873	10,258,994	4,414,072	794,483	23,527,656	18,319,101
Products from imported clays	35	2,526	6,828,877	870,710	4,382,230	16,948,304	11,695,364
Salt	12	748	1,830,334	973,257	1,596,119	9,201,265	6,631,889
Sand-lime brick	5	198	554,241	88,494	512,094	1,855,135	1,254,547
Stone products	161	2,270	6,504,702	766,099	6,733,301	18,705,651	11,206,251
Total	1,042	31,522	90,763,817	30,514,868	109,011,701	334,875,398	195,348,829
1952							
Abrasive products	20	2,607	9,248,935	3,312,052	13,967,649	36,717,228	19,437,527
Asbestos products	17	1,826	5,448,895	535,910	9,306,930	19,638,570	9,795,730
Cement	11	2,251	7,921,299	9,754,104	8,611,572	51,029,930	32,664,254
Concrete products	451	6,030	16,412,602	1,895,296	31,044,970	67,756,528	34,816,262
Glass and glass products	114	6,516	19,102,882	3,892,431	22,192,757	58,779,800	32,694,612
Gypsum products	11	1,230	3,708,426	803,007	8,115,956	18,355,812	9,436,849
Lime	42	1,012	3,170,476	3,420,265	1,014,789	14,219,453	9,784,399
Miscellaneous	53	799	2,283,836	470,733	6,186,910	12,110,532	5,452,889
Products from domestic clays	133	3,717	10,456,108	4,276,092	840,756	24,961,528	19,844,680
Products from imported clays	34	2,432	6,300,265	835,362	4,050,520	15,667,596	10,781,714
Salt	12	677	2,021,384	1,045,911	2,014,335	9,056,079	5,995,833
Sand-lime brick	4	183	540,108	71,933	516,331	1,652,594	1,064,330
Stone products	155	2,142	6,203,703	828,107	7,354,093	20,105,980	11,923,780
Total	1,057	31,422	92,818,919	31,141,203	115,217,568	350,051,630	203,692,859

1. Gross selling value of products less cost of materials, fuel and electricity.

NON-METALLIC MINERAL PRODUCTS

TABLE 2. Principal Statistics for the Non-metallic Mineral Products Group, by Provinces, 1951 and 1952

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
			\$	\$	\$	\$	\$
1951							
Newfoundland.....	13	110	205,035	42,173	304,852	676,960	329,935
Prince Edward Island.....	28	641	1,346,792	508,706	1,097,308	4,496,055	2,890,041
Nova Scotia.....	24	375	846,661	415,695	1,347,153	4,001,943	2,239,095
Quebec.....	283	9,193	25,930,409	10,464,801	32,314,948	99,303,025	56,523,276
Ontario.....	490	16,510	49,700,938	14,797,195	59,548,181	180,848,596	106,503,220
Manitoba.....	41	907	2,430,771	1,491,828	3,399,444	11,821,314	6,930,042
Saskatchewan.....	27	365	991,887	174,169	1,023,052	3,439,824	2,242,603
Alberta.....	67	2,012	5,163,184	1,118,765	6,070,483	18,147,022	10,957,774
British Columbia.....	69	1,409	4,148,140	1,501,536	3,906,280	12,140,659	6,732,843
Canada.....	1,042	31,522	90,763,817	30,514,868	109,011,701	334,875,398	195,348,829
1952							
Newfoundland.....	15	284	627,149	225,672	573,699	1,540,752	741,381
Prince Edward Island.....	29	627	1,439,920	555,876	1,474,246	4,979,266	2,949,144
Nova Scotia.....	23	515	1,352,211	944,795	1,676,648	5,666,031	3,044,588
New Brunswick.....	292	9,430	26,330,376	10,633,677	34,494,499	102,538,532	57,410,356
Quebec.....	488	15,756	49,454,872	14,483,487	59,911,633	181,930,849	107,535,729
Ontario.....	38	851	2,401,082	1,300,960	3,321,210	12,498,737	7,876,567
Manitoba.....	30	440	1,157,452	223,795	998,454	3,742,767	2,520,518
Saskatchewan.....	70	2,250	6,129,240	1,132,063	8,014,928	23,449,751	14,302,760
Alberta.....	72	1,269	3,926,617	11,640,878	4,752,251	13,740,945	7,311,816
Canada.....	1,057	31,422	92,818,919	31,141,203	115,217,568	350,051,630	203,692,859

1. Gross selling value of products less cost of materials, fuel and electricity.

TABLE 3. Employees and Their Earnings in the Non-metallic Mineral Products Group, by Industries, 1951 and 1952

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				
1951								
Abrasive products.....	324	186	2,361	118	2,969	1,811,231	7,864,051	9,675,282
Asbestos products.....	266	119	1,328	235	1,948	1,239,409	4,147,284	5,386,693
Cement.....	116	16	1,809	2	1,943	530,685	5,774,221	6,304,906
Concrete products.....	843	163	4,124	39	5,169	2,971,321	9,477,829	12,449,150
Glass and glass products.....	699	345	4,696	787	6,527	3,454,318	14,205,886	17,660,204
Gypsum products.....	203	83	828	24	1,138	1,016,178	2,288,117	3,304,295
Lime.....	84	18	1,014	1	1,117	369,811	2,773,311	3,143,122
Miscellaneous.....	243	83	677	73	1,076	1,138,457	1,815,599	2,954,056
Products from domestic clays.....	282	82	3,454	55	3,873	1,304,599	8,954,395	10,258,994
Products from imported clays.....	212	85	1,573	656	2,526	1,107,470	5,265,262	6,372,732
Salt.....	175	54	470	49	748	564,131	1,266,203	1,830,334
Sand-lime brick.....	15	1	179	3	198	55,029	486,005	541,034
Stone products.....	442	155	1,663	10	2,270	1,891,319	4,306,851	6,198,170
Total.....	3,904	1,390	24,176	2,052	31,522	17,453,958	68,625,014	86,078,972
1952								
Abrasive products.....	316	181	2,042	68	2,607	1,901,499	7,347,436	9,248,935
Asbestos products.....	224	104	1,280	218	1,826	1,154,634	4,294,261	5,448,895
Cement.....	149	22	2,076	4	2,251	697,810	7,223,489	7,921,299
Concrete products.....	980	212	4,811	27	6,030	3,846,017	12,566,585	16,412,602
Glass and glass products.....	691	338	4,688	799	6,516	3,445,478	15,657,404	19,102,882
Gypsum products.....	248	93	879	12	1,230	1,259,875	2,448,551	3,708,426
Lime.....	76	14	921	1	1,012	389,750	2,780,726	3,170,476
Miscellaneous.....	163	63	503	70	799	838,961	1,444,875	2,283,836
Products from domestic clays.....	296	95	3,241	85	3,717	1,488,994	8,967,114	10,456,108
Products from imported clays.....	235	98	1,494	605	2,432	1,188,399	5,111,866	6,300,265
Salt.....	104	36	488	49	677	514,974	1,506,410	2,021,384
Sand-lime brick.....	11	1	171	—	183	51,190	488,918	540,108
Stone products.....	380	123	1,617	22	2,142	1,660,107	4,543,596	6,203,703
Total.....	3,871	1,380	24,211	1,960	31,422	18,437,688	74,381,231	92,818,919

TABLE 4. Employees and Their Earnings in the Non-metallic Mineral Products Group, by Provinces, 1951 and 1952

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				
					\$	\$	\$	
1951								
Newfoundland	19	7	84	—	110	75,594	129,441	205,035
Prince Edward Island	76	20	537	8	641	285,772	1,036,503	1,322,275
Nova Scotia	36	4	310	25	375	108,184	733,824	842,008
Quebec	1,030	258	7,210	695	9,193	3,854,267	19,917,017	23,771,284
Ontario	2,200	971	12,361	978	16,510	10,984,219	36,758,166	47,742,385
Manitoba	131	24	712	40	907	452,097	1,877,813	2,329,910
Saskatchewan	56	18	284	7	365	184,112	750,375	934,487
Alberta	181	47	1,501	283	2,012	778,953	4,323,894	5,102,847
British Columbia	175	41	1,177	16	1,409	730,760	3,097,981	3,828,741
Canada	3,904	1,390	24,176	2,052	31,522	17,453,958	68,625,014	86,078,972
1952								
Newfoundland	42	9	232	1	284	148,483	478,666	627,149
Prince Edward Island	60	19	540	8	627	253,691	1,186,229	1,439,920
Nova Scotia	56	8	424	27	515	220,258	1,131,953	1,352,211
New Brunswick	1,055	279	7,368	728	9,430	4,259,838	22,070,538	26,330,376
Quebec	2,108	930	11,871	847	15,756	11,193,145	38,261,727	49,454,872
Ontario	97	22	707	25	851	429,602	1,971,420	2,401,022
Manitoba	63	16	353	8	440	217,983	939,469	1,157,452
Saskatchewan	209	55	1,684	302	2,250	914,158	5,215,082	6,129,240
Alberta	181	42	1,032	14	1,269	800,470	3,126,147	3,926,617
British Columbia								
Canada	3,871	1,380	24,211	1,960	31,422	18,437,688	74,381,231	92,818,919

TABLE 5. Production and Related Workers (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Industries, 1951 and 1952

Industry	January	February	March	April	May	June	July
	(number)						
1951							
Abrasive products	2,401	2,465	2,539	2,560	2,475	2,466	2,515
Asbestos products	1,649	1,597	1,616	1,640	1,620	1,452	1,551
Cement	1,758	1,739	1,763	1,778	1,788	1,820	1,832
Concrete products	3,376	3,327	3,520	3,985	4,444	4,720	4,717
Glass and glass products	5,390	5,606	5,786	5,571	5,576	5,838	5,889
Gypsum products	853	869	888	899	887	852	873
Lime	948	934	954	1,026	1,052	1,032	1,058
Miscellaneous	698	703	745	782	801	852	769
Products from domestic clays	3,090	3,063	3,089	3,180	3,766	3,971	4,008
Products from imported clays	2,251	2,337	2,349	2,363	2,199	2,206	2,204
Salt	506	527	512	504	476	495	533
Sand-lime brick	186	189	191	190	172	170	172
Stone products	1,593	1,575	1,542	1,613	1,678	1,716	1,768
Total	24,699	24,931	25,494	26,091	26,974	27,590	27,889
1952							
Abrasive products	2,361	2,319	2,257	2,243	2,156	2,118	2,051
Asbestos products	1,457	1,486	1,439	1,431	1,417	1,422	1,484
Cement	1,983	1,990	2,012	2,066	2,115	2,094	2,106
Concrete products	3,558	3,655	3,986	4,528	5,073	5,346	5,591
Glass and glass products	5,224	5,013	5,043	5,444	5,497	5,790	5,761
Gypsum products	809	833	847	865	873	907	913
Lime	889	866	908	963	971	948	949
Miscellaneous	548	537	546	545	544	563	569
Products from domestic clays	2,719	2,651	2,782	3,021	3,528	3,701	3,794
Products from imported clays	2,163	2,188	2,228	1,989	1,993	1,975	2,014
Salt	520	518	516	518	529	546	565
Sand-lime brick	177	179	176	174	169	172	172
Stone products	1,440	1,465	1,465	1,513	1,622	1,698	1,747
Total	23,848	23,700	24,205	25,300	26,487	27,280	27,716

NON-METALLIC MINERAL PRODUCTS

TABLE 5. Production and Related Workers (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Industries, 1951 and 1952 - Concluded

Industry	August	September	October	November	December	Average for year
(number)						
1951						
Abrasive products	2,502	2,501	2,461	2,439	2,420	2,479
Asbestos products	1,525	1,585	1,547	1,533	1,471	1,563
Cement	1,858	1,855	1,855	1,869	1,818	1,811
Concrete products	4,619	4,638	4,477	4,195	3,662	4,163
Glass and glass products	5,727	5,313	4,964	5,173	5,013	5,483
Gypsum products	879	864	816	767	770	852
Lime	1,057	1,021	1,034	1,016	964	1,015
Miscellaneous	765	772	742	712	651	750
Products from domestic clays	3,897	3,804	3,579	3,293	2,992	3,509
Products from imported clays	2,141	2,149	2,187	2,195	2,188	2,229
Salt	550	534	534	540	521	519
Sand-lime brick	170	167	178	208	194	182
Stone products	1,780	1,776	1,769	1,675	1,538	1,673
Total	27,470	26,979	26,143	25,615	24,242	26,228
1952						
Abrasive products	2,014	1,938	1,914	1,914	2,059	2,110
Asbestos products	1,536	1,580	1,578	1,570	1,558	1,498
Cement	2,131	2,125	2,091	2,104	2,072	2,080
Concrete products	5,594	5,466	5,372	5,106	4,569	4,838
Glass and glass products	5,754	5,561	5,518	5,537	5,660	5,487
Gypsum products	937	932	945	908	907	891
Lime	945	900	923	902	857	922
Miscellaneous	585	591	617	611	597	573
Products from domestic clays	3,790	3,693	3,488	3,283	3,179	3,326
Products from imported clays	2,073	2,247	2,213	2,085	2,034	2,099
Salt	561	549	538	536	525	537
Sand-lime brick	170	171	189	165	154	171
Stone products	1,818	1,788	1,746	1,709	1,609	1,639
Total	27,908	27,541	27,112	26,430	25,780	26,171

TABLE 6. Production and Related Workers (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Provinces, 1951 and 1952

Province	January	February	March	April	May	June	July
(number)							
1951							
Newfoundland	34	35	43	67	97	165	109
Prince Edward Island	488	502	497	506	529	563	567
Nova Scotia	291	304	313	323	351	362	365
Quebec	7,452	7,522	7,726	7,850	8,043	8,178	8,344
Ontario	12,753	12,899	13,201	13,404	13,705	13,955	14,052
Manitoba	653	645	665	732	841	820	858
Saskatchewan	209	206	213	264	354	375	368
Alberta	1,635	1,622	1,687	1,745	1,859	1,959	1,991
British Columbia	1,184	1,196	1,179	1,200	1,195	1,213	1,235
Canada	24,699	24,931	25,494	26,091	26,974	27,590	27,889
1952							
Newfoundland	152	165	179	216	256	261	267
Prince Edward Island	517	522	526	518	541	557	586
Nova Scotia	363	365	377	423	473	487	498
Quebec	7,319	7,083	7,183	7,774	8,253	8,496	8,654
Ontario	12,054	12,051	12,263	12,455	12,718	12,906	13,084
Manitoba	587	578	637	701	804	835	827
Saskatchewan	198	233	261	365	407	429	451
Alberta	1,657	1,696	1,735	1,798	1,992	2,378	2,292
British Columbia	1,001	1,007	1,044	1,050	1,043	1,031	1,057
Canada	23,848	23,700	24,205	25,300	26,487	27,280	27,716

TABLE 6. Production and Related Workers (Wage-earners) in the Non-metallic Mineral Products Group, by Months and by Provinces, 1951 and 1952 - Concluded

Province	August	September	October	November	December	Average for year
	(number)					
1951						
Newfoundland	100	101	88	90	64	84
Prince Edward Island	582	593	590	572	528	545
Nova Scotia	360	341	351	338	304	335
New Brunswick	8,185	8,189	7,864	7,902	7,540	7,905
Quebec	13,811	13,531	13,208	12,901	12,243	13,339
Ontario	860	823	734	710	663	752
Manitoba	335	326	309	275	258	291
Saskatchewan	1,977	1,846	1,787	1,691	1,584	1,784
Alberta	1,260	1,229	1,212	1,136	1,058	1,193
British Columbia						
Canada	27,470	26,979	26,143	25,615	24,242	26,178
1952						
Newfoundland	275	269	267	252	229	233
Prince Edward Island	584	570	568	549	497	548
Nova Scotia	510	499	493	475	436	451
New Brunswick	8,784	8,586	8,415	8,318	8,012	8,096
Quebec	13,182	13,161	13,013	12,709	12,756	12,718
Ontario	836	830	758	688	688	732
Manitoba	442	407	426	402	298	361
Saskatchewan	2,250	2,177	2,103	1,991	1,847	1,986
Alberta	1,045	1,042	1,069	1,046	1,017	1,046
British Columbia						
Canada	27,908	27,541	27,112	26,430	25,780	26,171

TABLE 7. Principal Materials¹ Used in the Industries in the Non-metallic Mineral Products Group, 1951 and 1952

Material	1951		1952		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Abrasive grains, artificial:					
For retreatment only:					
Fused alumina	tons	2,384	28,514	5,763	123,139
For wheels, paper, etc.:					
Fused alumina	tons	3,098	792,053	2,663	684,532
Silicon carbide	"	1,642	496,757	1,571	457,879
Abrasive grains, natural:					
Garnet	lb.	751,345	85,097	420,762	40,572
Emery	"	288,912	21,613	170,742	12,409
Quartz or flint	"	534,542	14,337	492,060	14,855
Other	"	20,027	2,604	-	2,735
Alumina, pure	tons	17,345	1,360,560	4,643	364,176
Asbestos:					
Fibre	tons	22,432	3,013,486	22,291	3,292,027
Cloth	"	67	134,985	47	133,113
Paper	"	3,103	297,020	3,001	407,682
Yarn	"	461	634,191	464	761,080
Arsenic	lb.	362,426	19,448	340,631	19,000
Asphalt	tons	31,876	897,657	2	2
Barytes	"	212	8,766	209	8,474
Bauxite	"	213,048	6,001,874	182,628	5,271,958
Borax	"	2,763	282,947	2,467	248,574
Bonding and bushing materials (for abrasive wheels, etc.):					
Clay bonds	tons	482	58,327	517	59,417
Silicate	lb.	9,313	1,364	5,767	1,170
Elastic mixture	"	5,104	3,729	7,628	6,472
Bakelite and other synthetic resins	"	291,864	101,135	236,674	83,296
Lead for bushings	tons	55	22,957	51	17,473
Glue, animal	"	574	355,916	401	254,674

TABLE 7. Principal Materials Used in the Industries in the Non-metallic Mineral Products Group, 1951 and 1952 - Continued

Material	1951		1952	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Cement, Portland..... bags	16,329,659	13,203,218	19,297,730	16,616,706
Cinders..... cu. yd.	247,959	389,757	211,758	369,880
Clays, imported:				
Ball..... tons	9,374	265,561	7,316	195,065
China..... "	7,158	229,495	5,480	183,220
Fire..... "	40,595	389,974	34,113	330,769
Saggar..... "	971	26,323	517	13,138
Other..... "	1,744	23,377	3,118	76,585
Clays, Canadian:				
China..... tons	546	6,839	480	4,800
Fire..... "	162	3,653	-	-
Other..... -	-	41,542	-	48,199
Coal (not for fuel):				
Anthracite..... tons	3,497	31,178	548	3,804
Bituminous..... "	6,219	74,998	7,223	79,814
Lignite..... "	93,902	187,385	2	2
Coke (not for fuel):				
Petroleum..... tons	64,909	1,322,295	64,462	1,335,534
Other..... "	51,912	1,100,427	42,754	920,863
Cobalt oxide..... lb.	4,314	7,026	5,188	9,125
Cotton cloth and yarn..... -	-	1,376,503	-	1,018,383
Cullett..... tons	37,086	466,648	26,679	302,674
Electrodes..... "	4,309	929,425	3,637	789,309
Firebrick, ground, broken and scrap..... -	-	201,483	-	213,589
Feldspar..... tons	9,344	244,926	9,039	241,307
Fluorspar..... tons	586	35,860	642	40,971
Glass:				
Bevelled or polished edge plates..... -	-	94,999	-	128,464
Bevelled or polished edge sheets..... -	-	49,415	-	35,099
Figured and cathedral glass, leaded glass, etc..... -	-	34,844	-	25,823
Blanks for making cut glass..... -	-	453,435	-	367,974
Tubing..... -	-	181,556	-	147,304
Plate glass for bevelling, silvering, laminating, etc..... -	-	4,103,054	-	5,361,441
Sheet glass for bevelling, silvering, laminating, etc..... -	-	1,529,873	-	1,534,694
Gravel..... cu. yd.	1,001,257	1,938,848	1,261,014	2,606,422
Gypsum:				
Crude..... tons	610,477	2,227,847	630,940	2,552,439
Calcined..... "	21,231	290,800	-	-
Hair..... tons	80	26,388	74	21,303
Hardware for porcelain insulators..... -	-	1,473,687	-	1,441,019
Iron borings..... tons	19,026	581,029	17,460	555,507
Lime, quick..... "	42,204	596,823	41,377	602,575
Mica..... "	60	129,013	31	68,242
Nepheline syenite..... "	15,558	360,289	11,042	275,044
Paper..... -	-	4,545,381	-	3,889,275
Sand for concrete..... cu. yd.	2,189,716	3,363,640	2,230,560	4,814,197
Sand, silica, and ground quartz..... tons	325,508	2,678,877	303,314	2,586,129
Sawdust..... -	-	94,321	-	91,456
Slag and stone for rock wool..... -	-	393,478	-	506,958
Silver nitrate..... -	-	118,302	-	89,373
Starch or paste..... tons	1,548	288,250	1,340	239,855
Sodium silicate..... "	551	18,920	615	20,283
Sodium sulphate (salt cake)..... "	1,436	42,742	1,824	55,404
Stone:				
From Canadian quarries..... -	-	1,034,752	-	1,114,636
Imported..... -	-	918,391	-	1,002,222
Stone, crushed..... tons	1,170,339	1,708,316	1,241,198	1,894,167
Steel, reinforcing..... -	-	1,415,033	-	2,315,601
Talc..... tons	894	33,103	1,164	49,683
Wax..... -	-	10,294	-	9,603
Containers and packing material..... -	-	12,540,262	-	10,629,127
All other materials ¹ -	-	30,582,509	-	35,307,807
Total -	-	109,011,701	-	115,217,568

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".

2. These materials were used by firms re-classified in 1952. See footnote to Table 8.

TABLE 8. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1951 and 1952

Product	1951		1952		
	Quantity	Selling value at works	Quantity	Selling value at works	
		\$		\$	
Alumina, fused, crude.....	tons	195,374	20,835,165	152,086	16,643,519
Asphalt road emulsions	gal.	9,019,446	1,524,973	1	1
Asphalt protective coatings.....	"	1,166,066	590,763	1	1
Dentonite	"	—	499,556	—	388,542
Blocks, building:					
Concrete:					
Cinder	M	12,165	2,585,404	15,676	3,241,478
Gravel	"	65,220	13,881,567	71,143	15,063,315
Haydite and slag	"	4,570	996,652	6,220	1,309,414
Sand-lime	"	451	109,977	450	113,809
Clay.....	tons	195,184	3,158,239	184,981	3,185,775
Haydite tile, aerocrete slabs, concrete slabs.....	"	—	3,000,000	—	4,429,011
Blocks, chimney, concrete.....	M	990	669,500	1,261	801,985
Boron carbide.....			.	.	.
Brake linings, asbestos:					
Moulded	—	—	2,546,405	—	2,918,294
Other.....	—	—	395,162	—	430,237
Bricks, building:					
Clay.....	M	379,434	14,042,191	369,605	14,851,176
Concrete	"	52,518	1,668,645	72,720	2,556,862
Sand-lime	"	48,313	1,220,563	36,852	987,561
Bricks and shapes, refractory, rigid:					
From Canadian clay	—	—	620,429	—	675,163
Other (chrome, magnesite, imported clay).....	tons	51,205	4,456,054	51,483	4,632,345
Bricks, paving, clay.....	M	194	16,170	226	17,631
Briquettes, coal.....			.	1	1
Cement, Portland.....	bbl.	17,007,812	40,446,288	16,916,557	40,246,597
Cements, refractory.....	tons	24,925	2,075,574	24,734	2,122,101
Clay:					
Fire clay.....	tons	17,920	86,190	16,118	85,437
Other clay.....	"	28,899	49,698	36,862	58,775
Cloth, abrasive .....			.	.	.
Cloth, asbestos.....			.	.	.
Clutch facings, asbestos.....	No.	1,286,553	605,600	1,070,689	597,019
Concrete, ready-mixed	cu. yd.	1,557,664	17,290,381	1,994,079	23,415,036
Crayons, chalk and wax .....			.	.	.
Diamonds, cut and polished.....			.	.	.
Diamond saw-teeth .....			.	—	—
Dolomite, dead-burned .....			.	.	.
Facings, foundry	—	—	420,520	—	393,010
Felts, dryer, asbestos .....			.	.	.
Ferrosilicon.....	tons	19,019	757,732	14,516	596,853
Flue lining	—	—	764,630	—	881,553
Frit, enamel.....			.	.	.
Gas, Pintsch (oil).....	M cu. ft.	44,002	603,856	43,987	619,806
Gaskets, asbestos.....	—	—	62,484	—	79,537
Glass:					
Bevelled or polished edge plate.....	—	—	996,416	—	1,050,243
Bevelled or polished edge sheet.....	—	—	360,229	—	313,510
Leaded, including memorial windows.....	—	—	236,376	—	232,521
Cut (tumblers, bowls, etc.).....	—	—	813,176	—	889,428
Pressed and blown (including bottles, sealers, ovenware, window glass, etc.).....	—	—	36,009,205	—	37,501,459
Safety (laminated, etc.).....	—	—	.	—	.
Glassware, for druggists, physicians and laboratories.....	—	—	549,148	—	484,433
Glassware, decorated.....	—	—	362,368	—	189,975
Granules, roofing.....			.	.	.
Insulators, electrical porcelain.....	—	—	6,138,625	—	6,091,131
Lath, gypsum.....	sq. ft.	228,645,066	6,553,202	202,987,638	6,004,908
Lime:					
Quick.....	tons	962,689	11,387,428	912,143	10,677,367
Hydrated.....	"	256,352	2,695,092	263,643	2,935,854
Magnesia, fused.....			.	.	.
Mica (plate, etc.).....			.	.	.
Millboard, asbestos.....			.	.	.

TABLE 8. Principal Products Made in the Industries in the Non-metallic Mineral Products Group, 1951 and 1952 - Concluded

Product	1951		1952	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Mirrors:				
Plate glass	—	2,760,559	—	2,929,590
Sheet glass	—	816,107	—	810,985
Monuments, cut and polished:				
Granite	—	2,654,843	—	2,652,758
Limestone	—	54,232	—	51,027
Marble	—	619,383	—	682,294
Monuments, bases and markers, semi-finished	—	150,511	—	175,852
Monuments, lettered only	—	472,112	—	428,087
Mud for oil well-drilling	—	•	—	•
Oil, core and core compound	—	186,461	—	111,790
Oils, creosote	—	•	1	1
Ornaments, christmas tree	—	•	—	•
Packings, asbestos	—	511,048	—	1,009,451
Paper, abrasive	—	•	—	•
Pipe and boiler covering, asbestos	—	1,368,116	—	1,668,890
Pipe:				
Asbestos-cement	—	•	—	•
Concrete (drain, water, sewer, etc.)	—	8,345,402	—	10,036,049
Clay	—	2,774,352	—	2,982,991
Plaster, gypsum:				
Hard wall	tons	164,773	164,661	2,836,916
Other	"	37,582	37,866	725,597
Pottery	—	7,726,682	—	8,635,235
Pulpstones, artificial	—	•	—	•
Salt:				
Brine	tons	452,599	452,586	547,982
Dry	"	511,926	519,317	8,508,097
Sheathing, gypsum	sq. ft.	5,474,369	203,632	5,303,352
Shingles, asbestos	—	•	—	•
Silicon carbide, crude	tons	70,282	9,913,060	59,277
Silicon carbide firesand	"	263	12,137	434
Stone, cast	—	1,663,732	—	2,084,935
Stone, building:				
Granite	—	621,405	—	503,307
Limestone	—	2,275,205	—	2,434,260
Marble	—	562,769	—	444,054
Sandstone	—	241,204	—	•
Stones and files, sharpening	—	285,897	—	381,809
Succo, cement	—	429,759	—	323,337
Tile, asphalt	—	•	—	•
Tile, floor and wall	—	•	—	•
Tile and blocks, gypsum	—	•	—	•
Tile, drain, clay	M	27,961	1,570,518	31,916
Tile, haydite	—	•	—	•
Tubs, laundry, concrete	No.	36,467	389,503	27,232
Vaults, burial, concrete	No.	3,454	171,758	3,579
Wallboard, asbestos-cement	—	•	—	•
Wallboard, gypsum	sq. ft.	232,312,775	7,876,750	225,409,932
Wheels and segments, abrasive	—	5,655,676	—	5,501,377
Wool, mineral:				
4-inch batts	sq. ft.	2,938,360	184,307	3,140,456
3-inch batts	"	39,580,790	1,819,762	37,837,773
2-inch batts	"	106,440,478	3,920,972	111,848,234
Granulated	cu. ft.	10,569,320	1,849,756	9,497,960
Bulk or loose	"	971,679	152,062	1,219,282
Industrial	—	—	92,008	—
Yarn, asbestos	—	•	—	•
All other products	—	32,070,807	—	44,814,335
Products reported by only one or two firms in this group (marked * above)	—	21,028,766	—	16,561,012
Total	—	334,875,398	—	350,051,630

1. Firms manufacturing these products were re-classified to the Products of Petroleum and Coal group in 1952.