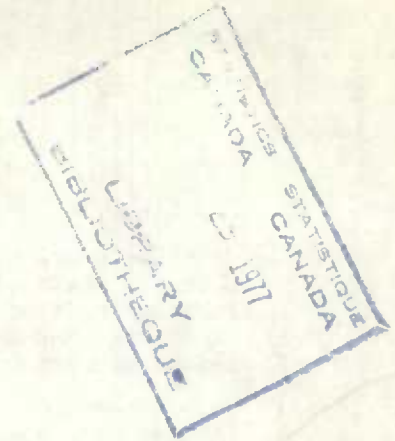


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CANADA



NON-METALLIC MINERAL PRODUCTS

1951

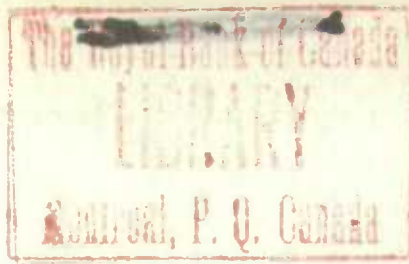
General Review

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—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
- VII—Textiles
- 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 Manufacturing

The present report belongs to 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, 25¢.
- G—The Miscellaneous Non-metallic Mineral Products Industry, 25¢.

(24 Nov. 53)

NON-METALLIC MINERAL PRODUCTS

1951

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 \$335 millions in 1951, an increase of 17 per cent over 1950. Employees numbered 31,522 in 1951 and their salaries and wages totalled \$91 millions. Materials for manufacturing cost \$109 millions and fuel and electricity cost \$31 millions.

All but one of the industries showed increases in output values compared with 1950. The percentage increases were as follows: asbestos products, 42; cement, 13; concrete products, 27; glass, 11; gypsum products, 6; lime, 14; products from domestic clays, 8; products from imported clays, 12; salt, 14; abrasive products, 37; the miscellaneous industry, 18, and the sand-lime brick industry, 19 per cent. Output in the stone products industry declined 6 per cent in 1951.

In 1951 there were 1,042 establishments in this group. Ontario with 490 works and production at \$181 millions accounted for 54 per cent of the total output and for 52 per cent of the employees. Quebec's 283 plants with 9,193 employees and production worth \$99 millions accounted for 29 per cent and 30 per cent respectively of the Canada totals.

TABLE I. Principal Statistics for the Non-Metallic Mineral Products Group, by Industries, 1950 and 1951

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 ¹ value of production
			\$	\$	\$	\$	\$
1950							
Abrasive products	19	2,603	7,359,351	2,329,029	12,541,899	32,836,573	17,965,645
Asbestos products	15	1,656	3,890,249	518,886	6,904,017	13,818,919	6,396,016
Cement	8	1,793	5,296,587	8,605,095	6,504,314	38,200,513	23,091,104
Concrete products	431	4,536	9,986,660	1,373,270	17,884,702	41,197,382	21,939,410
Glass and glass products	106	6,444	15,632,414	3,205,790	19,198,095	49,659,133	27,255,248
Gypsum products	10	1,158	2,824,882	673,083	7,974,202	17,879,508	9,232,223
Lime	43	1,150	2,829,511	3,263,360	789,328	12,826,921	8,774,233
Miscellaneous	58	966	2,361,691	492,803	6,755,209	13,692,675	6,444,663
Products from domestic clays	134	3,793	9,037,649	3,978,525	676,729	21,790,888	17,135,634
Products from imported clays	38	2,209	5,319,493	764,460	3,670,791	15,095,524	10,660,273
Salt	13	691	1,676,345	837,453	1,343,157	8,100,113	5,919,503
Sand-lime brick	5	175	434,761	90,631	336,535	1,553,469	1,126,303
Stone	165	2,429	5,730,817	862,626	6,589,627	19,889,745	12,437,492
Total	1,045	29,603	72,380,410	26,995,011	91,168,605	286,541,363	168,377,747
1951							
Abrasive products	19	2,989	10,218,444	3,819,109	17,868,167	44,920,949	23,433,673
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	8,463,839	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	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

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

TABLE 2. Principal Statistics for the Non-Metallic Mineral Products Group, by Provinces, 1950 and 1951

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 ¹ value of production
			\$	\$	\$	\$	\$
1950							
Newfoundland	12	108	164,287	31,007	165,642	532,381	335,732
Prince Edward Island	30	648	1,191,625	512,894	922,797	3,722,593	2,286,902
Nova Scotia							
New Brunswick	26	388	732,446	386,414	1,180,269	3,941,975	2,375,292
Quebec	293	8,487	19,791,187	9,008,295	28,765,968	81,570,589	45,796,326
Ontario	481	15,426	39,925,566	12,793,004	48,873,703	154,621,200	92,954,493
Manitoba	44	962	2,091,613	1,526,013	3,105,304	11,123,245	6,491,928
Saskatchewan	28	323	762,925	154,186	850,145	2,865,114	1,860,783
Alberta	59	1,965	4,548,971	1,238,131	5,529,299	16,875,498	10,108,068
British Columbia	72	1,296	3,171,790	1,345,067	3,775,478	11,288,768	6,168,223
Canada	1,045	29,603	72,380,410	26,995,011	91,168,605	286,541,363	168,377,747
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							
New Brunswick	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

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, 1950 and 1951

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				
						\$	\$	\$
1950								
Abrasive products	367	214	1,883	139	2,603	1,855,062	5,504,289	7,359,351
Asbestos products	225	76	1,191	164	1,656	917,256	2,972,993	3,890,249
Cement	109	15	1,665	4	1,793	445,415	4,851,172	5,296,587
Concrete products	787	138	3,582	29	4,536	2,444,080	7,542,580	9,986,660
Glass and glass products	726	329	4,569	820	6,444	2,960,797	12,671,617	15,632,414
Gypsum products	208	76	842	32	1,158	945,085	1,879,797	2,824,882
Lime	89	18	1,040	3	1,150	319,873	2,509,638	2,829,511
Miscellaneous	212	78	599	77	966	907,736	1,453,955	2,361,691
Products from domestic clays	270	75	3,363	85	3,793	1,132,714	7,904,935	9,037,649
Products from imported clays	206	78	1,450	475	2,209	973,429	4,346,064	5,319,493
Salt	119	42	487	43	691	482,941	1,193,404	1,676,345
Sand-lime brick	13	1	158	3	175	48,000	386,761	434,761
Stone	432	101	1,870	26	2,429	1,428,633	4,302,184	5,730,817
Total	3,763	1,241	22,699	1,900	29,603	14,861,021	57,519,389	72,380,410
1951								
Abrasive products	324	186	2,361	118	2,989	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	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

TABLE 4. Employees and Their Earnings in the Non-Metallic Mineral Products Group, by Provinces, 1950 and 1951

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				
						\$	\$	\$
1950								
Newfoundland	20	4	84	—	108	52,495	111,792	164,287
Prince Edward Island	74	20	547	7	648	240,466	951,159	1,191,625
Nova Scotia	47	5	308	28	388	128,645	603,801	732,446
New Brunswick	982	215	6,733	557	8,487	3,238,277	16,552,910	19,791,187
Quebec	2,153	880	11,418	975	15,426	9,511,850	30,413,716	39,925,566
Ontario	105	20	790	47	962	351,601	1,740,004	2,091,613
Manitoba	55	13	248	7	323	161,006	601,919	762,925
Saskatchewan	172	46	1,484	263	1,965	623,380	3,925,591	4,548,971
Alberta	155	38	1,087	16	1,296	553,293	2,618,497	3,171,790
British Columbia								
Canada	3,763	1,241	22,699	1,900	29,603	14,861,021	57,519,389	72,380,410
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
New Brunswick	1,030	258	7,210	695	9,193	3,854,267	19,917,017	23,771,284
Quebec	2,200	971	12,361	978	16,510	10,984,219	36,758,166	47,742,385
Ontario	131	24	712	40	907	452,097	1,877,813	2,329,910
Manitoba	56	18	284	7	365	184,112	750,375	934,487
Saskatchewan	181	47	1,501	283	2,012	778,953	4,323,894	5,102,847
Alberta	175	41	1,177	16	1,409	730,760	3,097,981	3,828,741
British Columbia								
Canada	3,904	1,390	24,176	2,052	31,522	17,453,958	68,623,014	86,078,972

TABLE 5. Production and Related Workers (Wage-Earners) in the Non-Metallic Mineral Products Group, by Months and by Industries, 1950 and 1951

Industry	January	February	March	April	May	June	July
	(number)						
1950							
Abrasive products	1,732	1,734	1,759	1,797	1,885	2,023	2,056
Asbestos products	1,174	1,194	1,183	1,206	1,231	1,311	1,406
Cement	1,608	1,639	1,639	1,661	1,699	1,687	1,723
Concrete products	2,639	2,644	2,746	3,238	3,865	4,157	4,252
Glass and glass products	5,139	5,245	5,302	5,432	5,334	5,450	5,705
Gypsum products	831	840	852	868	883	884	889
Lime	953	949	970	960	1,052	1,090	1,132
Miscellaneous	643	627	631	641	667	673	676
Products from domestic clays	2,767	2,804	2,844	3,050	3,635	3,938	3,998
Products from imported clays	1,858	1,898	1,882	1,865	1,799	1,780	1,831
Salt	510	520	531	520	532	526	555
Sand-lime brick	166	165	167	163	149	147	154
Stone	1,690	1,715	1,745	1,790	1,898	1,982	1,993
Total	21,710	21,974	22,251	23,191	24,629	25,648	26,370
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	1,820	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	859	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	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

NON-METALLIC MINERAL PRODUCTS

TABLE 5. Production and Related Workers (Wage-Earners) in the Non-Metallic Mineral Products Group, by Months and by Industries, 1950 and 1951 - Concluded

Industry	August	September	October	November	December	Average for year
	(number)					
1950						
Abrasive products	2,164	2,203	2,284	2,346	2,370	2,022
Asbestos products	1,477	1,500	1,539	1,576	1,491	1,355
Cement	1,713	1,643	1,694	1,651	1,643	1,669
Concrete products	4,190	4,040	4,022	3,877	3,479	3,611
Glass and glass products	5,547	5,443	5,337	5,330	5,376	5,389
Gypsum products	899	899	894	885	850	874
Lime	1,114	1,099	1,082	1,066	993	1,043
Miscellaneous	698	713	745	740	693	676
Products from domestic clays	3,947	3,858	3,740	3,471	3,207	3,448
Products from imported clays	1,937	1,968	2,087	2,138	2,074	1,925
Salt	536	554	540	553	509	530
Sand-lime brick	152	150	168	177	185	161
Stone	2,014	2,008	2,006	1,944	1,869	1,896
Total	26,378	26,078	26,038	25,774	24,739	24,599
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	1,013
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	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

TABLE 6. Production and Related Workers (Wage-Earners) in the Non-Metallic Mineral Products Group, by Months and by Provinces, 1950 and 1951

Province	January	February	March	April	May	June	July
	(number)						
1950							
Newfoundland	29	25	26	32	71	113	138
Prince Edward Island							
Nova Scotia	490	484	505	524	565	566	571
New Brunswick	279	268	271	302	382	392	375
Quebec	6,431	6,439	6,491	6,769	7,274	7,597	7,921
Ontario	11,159	11,240	11,325	11,711	12,242	12,737	13,037
Manitoba	728	749	762	792	846	910	932
Saskatchewan	188	161	188	255	317	302	311
Alberta	1,521	1,600	1,615	1,729	1,817	1,907	1,945
British Columbia	913	1,008	1,068	1,077	1,115	1,124	1,140
Canada	21,710	21,974	22,251	23,191	24,629	25,648	26,370
1951							
Newfoundland	34	35	43	67	97	165	109
Prince Edward Island							
Nova Scotia	488	502	497	506	529	563	567
New Brunswick	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	14,054
Manitoba	653	645	665	732	841	820	858
Saskatchewan	209	206	213	264	354	375	368
Alberta	1,635	1,622	1,657	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

TABLE 6. Production and Related Workers (Wage-Earners) in the Non-Metallic Mineral Products Group, by Months and by Provinces, 1950 and 1951—Concluded

Province	August	September	October	November	December	Average for year
	(number)					
1950						
Newfoundland.....	143	165	131	92	45	84
Prince Edward Island.....	581	591	589	601	569	554
Nova Scotia.....	364	341	351	363	326	336
New Brunswick.....	7,786	7,790	7,821	7,667	7,394	7,290
Quebec.....	13,168	13,016	13,038	13,119	12,766	12,393
Ontario.....	935	929	870	800	746	837
Manitoba.....	301	305	284	240	214	255
Saskatchewan.....	1,907	1,761	1,763	1,759	1,610	1,747
Alberta.....	1,193	1,180	1,191	1,133	1,069	1,103
British Columbia.....						
Canada.....	26,378	26,078	26,038	25,774	24,739	24,599
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

TABLE 7. Principal Materials used in the Industries in the Non-Metallic Mineral Products Group, 1950 and 1951

Material	1950		1951	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Abrasive grains, artificial:				
For retreatment only:				
Fused alumina..... tons	3,040	80,460	2,384	28,514
For wheels, paper, etc.:				
Fused alumina..... tons	2,752	711,706	3,098	792,053
Silicon carbide..... "	1,254	419,388	1,642	496,757
Abrasive grains, natural:				
Garnet..... lb.	577,036	65,611	751,345	85,097
Emery..... "	223,509	17,746	288,912	21,613
Quartz or flint..... "	823,735	15,168	534,542	14,337
Other..... "	—	3,079	20,027	2,604
Alumina, pure..... tons	7,699	548,080	17,345	1,360,560
Asbestos:				
Fibre..... tons	22,548	2,330,827	22,432	3,013,486
Cloth..... "	101	139,147	67	134,985
Paper..... "	3,089	320,011	3,103	297,020
Yarn..... "	343	408,338	461	634,191
Arsenic..... lb.	384,079	22,957	362,426	19,448
Asphalt..... tons	26,313	736,568	31,876	897,657
Barytes..... "	265	10,083	212	8,766
Bauxite..... "	137,197	3,804,875	213,048	6,001,874
Borax..... "	3,255	105,436	2,763	282,947
Bonding and bushing materials (for abrasive wheels, etc.):				
Clay bonds..... tons	409	48,785	482	58,327
Silicate..... lb.	7,394	483	9,313	1,364
Elastic mixture..... "	6,994	5,975	5,104	3,729
Bakelite and other synthetic resins..... "	233,430	85,965	291,864	101,135
Lead for bushings..... tons	45	14,600	55	22,957
Glue, animal..... "	600	339,208	574	355,916

TABLE 7. Principal Materials used in the Industries in the Non-Metallic Mineral Products Group, 1950 and 1951 - Concluded

Material	1950		1951	
	Quantity	Cost at works	Quantity	Cost at works
Cement, Portland..... bags	13,748,772	10,030,800	16,329,659	13,203,218
Cinders..... cu.yd.	194,249	302,862	247,959	389,757
Clays, imported:				
Ball..... tons	8,273	217,370	9,374	265,561
China..... "	7,652	236,382	7,158	229,495
Fire..... "	32,768	296,485	40,595	389,974
Saggar..... "	775	17,842	971	26,323
Other..... "	1,210	22,849	1,744	23,377
Clays, Canadian:				
China..... tons	568	5,999	546	6,839
Fire..... "	1,004	8,422	162	3,653
Other..... -	-	47,124	-	41,542
Coal (not for fuel):				
Anthracite..... tons	1,990	18,573	3,497	31,178
Bituminous..... "	6,579	75,728	6,219	74,998
Lignite..... "	85,312	170,624	93,902	187,385
Coke (not for fuel):				
Petroleum..... tons	38,609	765,672	64,909	1,322,295
Other..... "	41,659	898,474	51,912	1,100,427
Cobalt oxide..... lb.	4,734	6,991	4,314	7,026
Cotton cloth and yarn..... -	-	1,260,731	-	1,376,503
Cullett..... tons	28,347	317,994	37,086	466,648
Electrodes..... "	-	520,311	4,309	929,425
Firebrick, ground, broken and scrap..... -	-	182,384	-	201,483
Feldspar..... tons	10,110	243,789	9,344	244,926
Fluorspar..... tons	484	29,016	586	35,860
Glass:				
Bevelled or polished edge plates..... -	-	103,280	-	94,999
Bevelled or polished edge sheets..... -	-	20,988	-	49,415
Figured and cathedral glass, leaded glass, etc..... -	-	26,494	-	34,844
Blanks for making cut glass..... -	-	497,774	-	453,435
Tubing..... -	-	104,589	-	181,556
Plate glass for bevelling, silvering, laminating, etc..... -	-	3,742,399	-	4,103,054
Sheet glass for bevelling, silvering, laminating, etc..... -	-	1,348,606	-	1,529,873
Gravel..... cu.yd.	827,690	1,432,154	1,001,257	1,938,848
Gypsum:				
Crude..... tons	113,100	655,539	610,477	2,227,847
Calcined..... "	406,031	2,253,856	21,231	290,800
Hair..... tons	71	28,533	80	28,388
Hardware for porcelain insulators..... -	-	1,339,991	-	1,473,687
Iron borings..... tons	10,542	238,027	19,026	581,029
Lime, quick..... "	41,455	540,696	42,204	596,823
Mica..... "	59	103,887	60	129,013
Nepheline syenite..... "	13,764	303,774	15,558	360,289
Paper..... -	-	3,537,938	-	4,545,381
Sand for concrete..... cu.yd.	2,014,575	2,835,628	2,189,716	3,363,640
Sand, silica, and ground quartz..... tons	263,653	2,150,021	325,508	2,678,877
Sawdust..... -	-	59,682	-	94,321
Slag and stone for rock wool..... -	-	419,522	-	393,478
Silver nitrate..... -	-	92,424	-	118,302
Starch or paste..... tons	1,657	272,239	1,548	268,250
Sodium silicate..... "	618	16,850	551	18,920
Sodium sulphate (salt cake)..... "	1,279	37,238	1,438	42,742
Stone:				
From Canadian quarries..... -	-	1,333,361	-	1,034,752
Imported..... -	-	984,890	-	918,391
Stone, crushed..... tons	967,378	1,198,531	1,170,339	1,708,316
Steel, reinforcing..... -	-	837,635	-	1,415,033
Talc..... tons	716	18,144	894	33,103
Wax..... -	-	34,600	-	10,294
Containers and packing material..... -	-	9,334,321	-	12,540,268
All other materials..... -	-	29,354,098	-	30,562,509
Total -	-	91,168,605	-	109,011,701

TABLE 8. Principal Products Made in the Industries in the Non-Metallic Mineral Products Group, 1950 and 1951

Product		1950		1951	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Alumina, fused, crude	tons	126,923	12,197,308	195,374	20,835,165
Asphalt road emulsions	gal.	7,538,864	1,345,980	9,019,446	1,524,973
Asphalt protective coatings	"	888,999	558,413	1,166,066	590,763
Bentonite	-	-	534,873	-	499,556
Blocks, building:					
Concrete:					
Cinder	M	13,853	2,583,763	12,165	2,585,404
Gravel	"	57,111	11,711,029	65,220	13,881,567
Haydite and slag	"	4,554	956,430	4,570	996,652
Sand-lime	"	581	124,053	451	109,977
Clay	tons	178,372	2,872,885	195,184	3,168,239
Haydite tile, aerocrete slabs, concrete slabs	-	-	1,800,000	-	3,000,000
Blocks, chimney, concrete	M	970	484,789	990	669,500
Boron carbide	-	-	.	-	.
Brake linings, asbestos:					
Moulded	-	-	1,585,683	-	2,546,405
Other	-	-	701,361	-	395,162
Bricks, building:					
Clay	M	375,247	12,713,753	379,434	14,042,191
Concrete	"	61,971	1,946,578	52,518	1,668,645
Sand-lime	"	46,993	1,074,955	48,313	1,220,563
Bricks and shapes, refractory, rigid:					
From Canadian clay	-	-	472,189	-	620,429
Other (chrome, magnesite, imported clay)	tons	42,688	3,381,795	51,205	4,456,054
Bricks, paving, clay	M	192	16,778	194	16,170
Briquettes, coal	-	-	.	-	.
Cement, Portland	bbbl.	16,741,826	35,894,124	17,007,812	40,446,288
Cements, refractory	tons	20,558	1,537,882	24,925	2,075,574
Clay:					
Fire clay	tons	8,840	55,449	17,920	86,190
Other clay	"	-	62,176	28,899	49,698
Cloth, abrasive	-	-	.	-	.
Cloth, asbestos	-	-	.	-	.
Clutch facings, asbestos	No.	1,201,830	556,570	1,286,553	605,600
Concrete, ready-mixed	cu. yd.	1,322,539	12,546,581	1,557,664	17,290,381
Crayons, chalk and wax	-	-	.	-	.
Diamonds, cut and polished	-	-	.	-	.
Diamond saw-teeth	-	-	.	-	.
Dolomite, dead-burned	-	-	.	-	.
Facings, foundry	-	-	372,028	-	420,520
Felts, dryer, asbestos	-	-	.	-	.
Ferrosilicon	tons	9,681	281,597	19,019	757,732
Flue lining	-	-	819,864	-	764,630
Frit, enamel	-	-	.	-	.
Gas, Pintsch (oil)	-	-	.	-	.
Gaskets, asbestos	-	-	40,904	-	62,484
Glass:					
Bevelled or polished edge plate	-	-	845,643	-	996,416
Bevelled or polished edge sheet	-	-	223,175	-	360,229
Leaded, including memorial windows	-	-	202,487	-	236,376
Cut (tumblers, bowls, etc.)	-	-	1,201,033	-	813,176
Pressed and blown (including bottles, sealers, ovenware, window glass, etc.)	-	-	32,143,748	-	36,009,205
Safety (laminated, etc.)	-	-	.	-	.
Glassware, for druggists, physicians and laboratories	-	-	407,104	-	549,148
Glassware, decorated	-	-	236,575	-	362,368
Granules, roofing	-	-	.	-	.
Insulators, electrical porcelain	-	-	5,979,682	-	6,138,625
Lath, gypsum	sq. ft.	214,714,308	5,855,077	228,645,066	6,553,202
Lime:					
Quick	tons	885,219	9,748,936	982,689	11,387,428
Hydrated	"	238,969	2,532,148	258,352	2,695,092
Magnesia, fused	-	-	.	-	.
Mica (plate, etc.)	-	-	.	-	.
Millboard, asbestos	-	-	.	-	.



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TABLE 8. Principal Products Made in the Industries in the Non-Metallic Mineral Products Group, 1950 and 1951 — Continued

Product	1950		1951	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Mirrors:				
Plate glass	—	3,022,078	—	2,760,559
Sheet glass	—	675,219	—	816,107
Monuments, cut and polished:				
Granite	—	3,938,770	—	2,654,843
Limestone	—	65,209	—	54,232
Marble	—	683,915	—	619,383
Monuments, bases and markers, semi-finished	—	—	—	150,511
Monuments, lettered only	—	393,818	—	472,112
Mud for oil well drilling	—	.	—	.
Oil, core and core compound	—	195,434	—	186,461
Oils, creosote	—	.	—	.
Ornaments, Christmas tree	—	.	—	.
Packings, asbestos	—	315,594	—	511,048
Paper, abrasive	—	.	—	.
Pipe and boiler covering, asbestos	—	1,846,699	—	1,368,116
Pipe:				
Asbestos-cement	—	.	—	.
Concrete (drain, water, sewer, etc.)	—	4,962,704	—	8,345,402
Clay	—	2,779,996	—	2,774,352
Plaster, gypsum:				
Hard wall	tons	164,320	164,773	2,721,026
Other	"	30,441	37,582	725,511
Pottery	—	6,670,767	—	7,726,682
Pulpstones, artificial	—	.	—	.
Salt:				
Brine	tons	405,400	452,599	1,101,037
Dry	"	453,496	511,926	6,804,940
Sheathing, gypsum	sq. ft.	5,318,052	5,474,369	203,632
Shingles, asbestos	—	.	—	.
Signs, glass	—	25,421	—	—
Silicon carbide, crude	tons	44,761	70,282	9,913,060
Silicon carbide firesand	"	328	263	12,137
Stone, cast	—	1,208,512	—	1,663,732
Stone, building:				
Granite	—	606,336	—	621,405
Limestone	—	2,993,135	—	2,275,205
Marble	—	446,183	—	562,769
Sandstone	—	—	—	241,204
Stones and files, sharpening	—	296,904	—	285,897
Stucco, cement	—	326,852	—	429,759
Tile, asphalt	—	.	—	.
Tile, floor and wall	—	.	—	.
Tile and blocks, gypsum	—	.	—	.
Tile, drain, clay	M	26,694	27,961	1,570,518
Tile, haydite	—	.	—	.
Tubs, laundry, concrete	No.	40,241	36,467	389,503
Vaults, burial, concrete	No.	3,608	3,454	171,756
Wallboard, asbestos-cement	—	.	—	.
Wallboard, gypsum	sq. ft.	230,684,144	232,312,775	7,876,750
Wheels and segments, abrasive	—	4,683,163	—	5,655,676
Wool, mineral:				
4-inch batts	sq. ft.	3,034,101	2,938,360	184,307
3-inch batts	"	38,891,639	39,580,790	1,819,762
2-inch batts	"	108,658,643	106,440,478	3,920,972
Granulated	cu. ft.	11,134,506	10,569,320	1,849,756
Bulk or loose	—	1,781,424	971,679	152,062
Industrial	—	—	—	92,008
Yarn, asbestos	—	.	—	.
All other products	—	22,948,118	—	32,070,807
Products reported by only one or two firms in this group (marked * above)	—	24,084,126	—	21,632,622
Total	—	286,541,363	—	334,875,398