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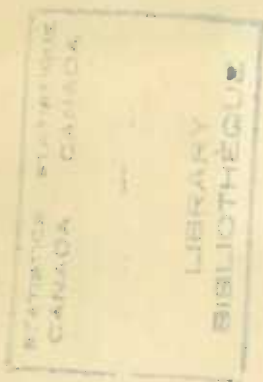
NON-METALLIC MINERAL PRODUCTS INDUSTRIES

1960

Formerly Non-Metallic Mineral Products

General Review

The General Review reports for industry groups will not be issued for the years 1961 and 1962.



ANNUAL CENSUS OF MANUFACTURES

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

Short Forms

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

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

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

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

NON-METALLIC MINERAL PRODUCTS INDUSTRIES

1960

General Review

Formerly Non-Metallic Mineral Products

Data presented in this report reflect implementation of the revised Standard Industrial Classification (S.I.C.) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics. The revised classification provides for a breakdown of the Non-Metallic Mineral Products group into 15 separate industries under the heading of Non-Metallic Mineral Products Industries. This generally corresponds to the group formerly presented as Non-Metallic Mineral Products. However, the old Clay and Clay Products Industry has been divided into Clay Products Manufacturers (from domestic clays) and Clay Products Manufacturers (from imported clays); the old Gypsum Industry into Gypsum Products Manufacturers and Gypsum Mines; the old Concrete Products Industry into Concrete Products Manufacturers and Ready-Mix Concrete Manufacturers; and the Stone Industry is now separated into Mineral Wool Manufacturers and Stone Products Manufacturers.

Factory Shipments reported by the Non-Metallic Mineral Products Industries group in 1960 were valued at \$647.5 millions, a decrease of \$8.2 millions or approximately 1.2% from the comparable 1959 total of \$655.6 millions adjusted to a basis comparable with 1960.

In 1960 there were 1,331 establishments in this group, employing 41,606 persons who were paid \$173.4 millions in salaries and wages. Materials used in manufacturing cost \$230.8 millions; fuel and electricity amounted to \$47,702,859 millions.

Note:

A. Attention is drawn to the fact that the 1960 compilations, as presented in this report, are on the basis of the revised Standard Industrial Classification (S.I.C.). Some of the significant changes are as follows:

1. Gypsum Products Manufacturers.
This industry was affected only to the publishing separately data relating to gypsum products previously published with Gypsum Mining Industry under the heading of the Gypsum Industry. For all practical purposes the new grouping corresponds completely with the industry formerly titled The Gypsum Products Industry.

2. A significant change in the Concrete Products Manufacturers industry was the transfer from this industry to a new industry, Ready-Mix Concrete Manufacturers, of those establishments engaged in the mixing and delivering of ready-mix concrete.
3. Data relating to the manufacture of refractories, previously presented in Clay and Clay Products Industry—from imported clays (old basis) and the Miscellaneous Non-Metallic Mineral Products Industry (old basis) are now to be shown separately in a new S.I.C. industry Refractories Manufacturers.

Another significant change affecting the Clay and Clay Products Industry bulletin was the decision to publish under separate cover details for each aspect of this industry, as follows—Clay Products Manufacturers (from domestic clays) and Clay Products Manufacturers (from imported clays).

4. Firms manufacturing mineral wool previously included in the old S.I.C. industry, The Stone Industry, have been split out to form a new industry—Mineral Wool Manufacturers. All other establishments forming a major component of the old S.I.C. industry are now classified as Stone Products Manufacturers.
5. Changes in the following industries resulting from the implementation of the new S.I.C. may be generally regarded as minimal, and involve change of name only. Cement Manufacturers (formerly The Cement Manufacturing Industry); Lime Manufacturers (formerly The Lime Industry); Asbestos Products Manufacturers (formerly The Asbestos Products Industry); Glass and Glass Products Manufacturers (formerly The Glass and Glass Products Industry); and Abrasives Manufacturers (formerly The Artificial Abrasives Industry).

B. Industry bulletins carrying final figures for 1960 will also include 1957, 1958 and 1959 data recompiled on the revised S.I.C. basis for purposes of comparability.

TABLE 1. Principal Statistics: Non-metallic Mineral Products Industries, 1957-59 and by Industry, 1960

Basis: Standard Industrial Classification revised 1960

Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Selling value of factory shipments	Value added by manufacture
	number		dollars				
1957	1, 153	38, 879	145, 709, 478	49, 386, 502	203, 515, 285	571, 165, 145	321, 922, 258
1958	1, 170	39, 483	156, 459, 389	48, 906, 803	211, 985, 178	600, 614, 113	345, 331, 758
1959	1, 176	41, 886	172, 642, 697	48, 921, 458	235, 259, 274	655, 618, 841	377, 405, 806
1960							
Cement manufacturers	20	3, 398	17, 122, 742	15, 965, 171	11, 294, 254	96, 769, 665	69, 616, 378
Lime manufacturers	25	953	3, 980, 864	2, 874, 777	1, 010, 426	11, 874, 520	8, 015, 022
Gypsum products manufacturers	14	1, 522	8, 517, 999	1, 403, 058	14, 006, 834	30, 364, 799	15, 163, 986
Concrete products manufacturers	645	8, 709	32, 216, 905	3, 887, 038	42, 535, 445	107, 444, 952	61, 040, 202
Ready-mix concrete manufacturers	138	4, 200	18, 597, 733	3, 125, 803	58, 408, 165	101, 200, 299	39, 566, 483
Clay products manufacturers (from domestic clays)	113	3, 991	15, 234, 205	5, 679, 567	1, 284, 138	38, 033, 788	31, 944, 022
Clay products manufacturers (from imported clays)	27	1, 771	7, 262, 317	879, 634	5, 942, 170	21, 524, 752	14, 991, 838
Refractories manufacturers	16	633	2, 716, 026	559, 218	8, 569, 617	18, 555, 636	9, 397, 193
Stone products manufacturers	142	1, 251	4, 358, 269	304, 909	4, 679, 709	12, 120, 594	7, 201, 534
Mineral wool manufacturers	12	1, 067	4, 908, 049	1, 144, 694	5, 984, 247	17, 739, 972	11, 152, 582
Asbestos products manufacturers	17	2, 086	9, 211, 568	867, 938	12, 769, 299	29, 429, 028	15, 839, 727
Glass manufacturers	12	6, 571	26, 558, 555	4, 149, 961	21, 687, 153	62, 553, 640	37, 854, 382
Glass products manufacturers	97	2, 443	10, 152, 978	719, 557	18, 561, 313	41, 988, 923	22, 991, 144
Abrasives manufacturers	20	2, 519	12, 513, 599	5, 784, 240	19, 329, 265	48, 568, 969	23, 955, 964
Other non-metallic mineral products industries	35	492	2, 111, 291	357, 296	4, 688, 303	9, 292, 043	4, 340, 039
Totals	1, 331	41, 606	173, 438, 100	47, 702, 859	230, 750, 338	647, 461, 580	373, 070, 496

TABLE 2. Principal Statistics for the Non-metallic Mineral Products Industries, by Provinces, 1960

Province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Selling value of factory shipments	Value added by manufacture
	number		dollars				
Newfoundland	11	303	1, 065, 446	415, 173	1, 650, 688	4, 392, 124	2, 214, 084
Prince Edward Island	4	21	62, 563	5, 608	56, 600	187, 760	125, 288
Nova Scotia	33	485	1, 447, 885	445, 263	2, 453, 076	6, 010, 837	3, 149, 832
New Brunswick	30	571	1, 921, 625	994, 223	1, 963, 034	6, 985, 991	4, 106, 218
Quebec	407	12, 362	49, 301, 021	14, 324, 661	68, 192, 418	181, 458, 526	101, 131, 985
Ontario	549	20, 295	88, 538, 968	23, 498, 966	113, 111, 969	325, 535, 212	190, 361, 239
Manitoba	46	1, 535	6, 271, 996	2, 241, 271	8, 837, 484	26, 451, 602	15, 093, 288
Saskatchewan	35	631	2, 549, 228	793, 015	3, 657, 196	11, 168, 793	6, 778, 705
Alberta	97	3, 476	14, 022, 865	2, 547, 988	20, 602, 176	55, 995, 076	33, 215, 695
British Columbia	119	1, 925	8, 256, 503	2, 436, 673	10, 225, 697	29, 275, 859	16, 894, 162
Canada	1, 331	41, 606	173, 438, 100	47, 702, 859	230, 750, 338	647, 461, 580	373, 070, 496

TABLE 3. Inventories:¹ Non-metallic Mineral Products Industries, by Industries and by Provinces, 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
(a) Industry				
Opening:				
Cement manufacturers	13,299,490	3,254,335	5,211,538	21,765,363
Lime manufacturers	1,085,267	44,023	117,158	1,246,448
Gypsum products manufacturers	2,723,766	43,190	1,046,077	3,813,033
Concrete products manufacturers	5,513,779	540,293	10,963,509	17,017,581
Ready-mix concrete manufacturers	2,423,240	—	717,305	3,140,545
Clay products manufacturers (from domestic clays)	1,557,640	711,435	5,490,032	7,759,107
Clay products manufacturers (from imported clays)	1,753,504	706,733	2,222,760	4,682,997
Refractories manufacturers	2,487,658	283,345	1,188,726	3,959,729
Stone products manufacturers	1,211,269	342,155	529,812	2,083,236
Mineral wool manufacturers	1,071,879	35,584	542,828	1,650,291
Asbestos products manufacturers	2,832,318	921,086	4,064,793	7,818,197
Glass manufacturers	4,549,301	163,203	7,436,926	12,149,430
Glass products manufacturers	5,993,608	497,227	1,157,145	7,647,980
Abrasive manufacturers	4,488,003	993,354	2,618,917	8,100,274
Other non-metallic mineral products industries	1,099,221	113,799	625,108	1,838,128
Totals	52,089,943	8,649,762	43,932,634	104,672,339
Closing:				
Cement manufacturers	13,417,418	2,897,693	5,674,318	21,989,429
Lime manufacturers	856,768	49,519	137,367	1,043,654
Gypsum products manufacturers	2,446,394	52,983	1,245,363	3,744,740
Concrete products manufacturers	4,865,824	877,947	10,643,586	16,387,357
Ready-mix concrete manufacturers	2,564,536	851	616,607	3,181,994
Clay products manufacturers (from domestic clays)	1,319,516	615,283	6,460,123	8,394,922
Clay products manufacturers (from imported clays)	1,682,593	961,783	2,256,600	5,100,976
Refractories manufacturers	2,294,379	220,316	1,222,147	3,736,842
Stone products manufacturers	1,325,279	372,915	564,610	2,262,804
Mineral wool manufacturers	1,027,445	57,804	1,062,159	2,147,408
Asbestos products manufacturers	2,877,013	739,180	4,294,635	7,910,828
Glass manufacturers	4,592,105	227,818	8,510,167	13,330,090
Glass products manufacturers	5,272,345	830,391	1,107,072	7,209,808
Abrasive manufacturers	4,135,128	1,147,709	2,965,062	8,247,899
Other non-metallic mineral products industries	1,183,339	94,684	737,818	2,015,841
Totals	50,060,082	9,146,876	47,497,634	106,704,592
(b) Province				
Opening:				
Newfoundland	595,425	206,082	159,704	961,211
Prince Edward Island	8,671	1,652	25,343	35,666
Nova Scotia	193,832	45,527	367,600	606,967
New Brunswick	731,794	63,638	316,734	1,112,166
Quebec	15,929,517	1,876,551	12,337,856	30,143,924
Ontario	24,131,121	3,917,576	21,498,906	49,547,603
Manitoba	3,135,597	482,845	1,496,766	5,115,208
Saskatchewan	935,386	418,104	805,716	2,159,206
Alberta	4,165,174	1,146,110	4,185,170	9,496,454
British Columbia	2,263,426	491,677	2,738,831	5,493,934
Canada	52,089,943	8,649,762	43,932,634	104,672,339
Closing:				
Newfoundland	634,353	103,755	149,852	887,960
Prince Edward Island	18,201	1,617	25,114	44,932
Nova Scotia	172,871	21,860	428,809	623,540
New Brunswick	709,934	36,203	421,653	1,167,790
Quebec	15,421,852	1,763,446	14,641,519	31,826,817
Ontario	22,894,258	4,929,887	21,923,558	49,547,703
Manitoba	2,847,558	242,246	1,457,806	4,547,610
Saskatchewan	806,161	379,056	904,887	2,090,104
Alberta	3,960,082	748,464	4,953,598	9,662,144
British Columbia	2,794,812	920,342	2,590,838	6,305,992
Canada	50,060,082	9,146,876	47,497,634	106,704,592

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

TABLE 4. Employees and their Earnings: Non-metallic Mineral Products Industries, by Industries and by Provinces, 1960

	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					dollars		
(a) Industry								
Cement manufacturers	544	97	2,754	3	3,398	4,007,838	13,114,904	17,122,742
Lime manufacturers	102	17	833	1	953	529,437	3,431,427	3,960,864
Gypsum products manufacturers	355	104	1,063	—	1,522	2,274,521	4,243,478	6,517,999
Concrete products manufacturers	1,780	343	6,540	46	8,709	9,490,137	22,726,768	32,216,905
Ready-mix concrete manufacturers	732	180	3,267	21	4,200	4,446,670	14,151,063	18,597,733
Clay products manufacturers (from domestic clays)	539	104	3,274	74	3,991	3,245,306	11,988,699	15,234,205
Clay products manufacturers (from imported clays)	239	84	1,113	335	1,771	1,757,692	5,504,425	7,262,317
Refractories manufacturers	120	25	498	—	633	768,752	1,947,274	2,716,026
Stone products manufacturers	255	45	935	16	1,251	1,311,728	3,046,541	4,358,289
Mineral wool manufacturers	271	86	709	1	1,067	1,857,331	3,045,718	4,903,049
Asbestos products manufacturers	381	140	1,450	135	2,088	2,540,833	6,670,935	9,211,568
Glass manufacturers	767	306	4,521	977	6,571	4,952,217	21,608,338	26,558,555
Glass products, manufacturers	406	220	1,541	276	2,443	3,186,975	6,966,003	10,152,978
Abrasive manufacturers	412	167	1,838	102	2,519	3,510,003	9,003,596	12,513,599
Other non-metallic mineral products industries	144	46	281	21	492	1,035,129	1,076,162	2,111,291
Totals	7,027	1,964	30,607	2,008	41,606	44,914,569	128,523,531	173,438,100
(b) Province								
Newfoundland	58	12	233	—	303	283,105	782,341	1,065,446
Prince Edward Island	7	—	13	1	21	23,664	38,899	62,563
Nova Scotia	84	6	393	2	485	334,499	1,113,386	1,447,685
New Brunswick	74	10	452	35	571	381,111	1,540,514	1,921,625
Quebec	1,859	516	9,418	569	12,362	11,021,357	38,279,664	49,301,021
Ontario	3,632	1,131	14,475	1,057	20,295	25,158,823	63,380,145	68,538,968
Manitoba	268	65	1,152	30	1,535	1,506,834	4,765,162	6,271,996
Saskatchewan	151	24	450	6	631	841,303	1,707,925	2,549,228
Alberta	530	129	2,540	279	3,478	3,337,163	10,685,702	14,022,865
British Columbia	344	71	1,481	29	1,925	2,026,710	6,229,793	8,256,503
Canada	7,027	1,964	30,607	2,008	41,606	44,914,569	128,523,531	173,438,100

TABLE 5. Production and Related Workers (wage-earners): Non-metallic Mineral Products Industries, by Months, 1960

Month	Establishments reporting monthly detail ¹		Establishments reporting quarterly detail ²	
	Male	Female	Male	Female
January	26,497	1,832		
February	26,559	1,772		
March	26,853	1,850	814	9
April	28,506	1,967		
May	30,199	2,015		
June	30,784	2,201	1,360	12
July	30,507	2,147		
August	30,390	2,138		
September	29,668	1,982	1,302	13
October	28,697	2,014		
November	27,647	2,017		
December	25,552	1,845	846	13
Average for establishments reporting monthly detail			28,673	1,994
Average for establishments reporting quarterly detail			1,080	12
Average estimated for small establishments ³			854	2
Average for all establishments			30,607	2,008

¹ The number of production workers, by months, was collected only for larger establishments.

² The number of production workers, by quarters, was collected only for medium sized establishments.

³ Small establishments were not asked to report details of employment.

Note: For data by industries for 1960 refer to separate industry reports.

TABLE 6. Principal Statistics by Selling Value of Factory Shipments, Number of Employees and Type of Ownership:
Non-metallic Mineral Products Industries, 1960

	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
(a) Factory shipments						
Under \$10,000	189	313	448,409	53,874	361,157	899,021
\$ 10,000 to \$ 24,999	201	862	1,408,745	168,409	1,157,373	3,365,603
25,000 " 49,999	162	891	2,349,517	255,671	2,212,832	5,928,912
50,000 " 99,999	187	1,629	4,940,215	800,144	4,943,762	13,696,147
100,000 " 199,999	171	2,407	8,191,270	1,309,364	9,321,806	24,528,787
200,000 " 499,999	181	4,579	17,107,963	3,797,921	21,869,596	56,164,648
500,000 " 999,999	97	4,233	17,159,606	4,285,373	27,560,420	66,971,109
1,000,000 " 4,999,999	117	13,995	62,531,662	17,852,880	88,757,913	254,976,902
5,000,000 and over	26	12,116	54,916,800	19,179,223	74,565,479	220,930,451
Head offices	—	781	4,383,913	—	—	—
Totals	1,331	41,606	173,438,100	47,702,859	230,750,338	647,461,580
(b) Employees						
Under 5 employees	439	1,038	2,386,513	314,260	3,648,185	8,622,028
5 to 14 employees	439	3,706	11,962,875	2,304,403	20,150,756	45,852,876
15 " 49 "	282	7,485	28,378,404	6,219,458	45,962,015	111,564,838
50 " 99 "	80	5,636	23,123,131	5,918,641	32,262,907	85,719,513
100 " 199 "	59	8,485	38,686,006	14,080,324	51,818,397	171,526,432
200 " 499 "	24	7,566	35,378,362	14,537,455	46,392,247	144,909,026
500 and over	8	6,909	29,138,896	4,328,318	30,515,831	79,266,867
Head offices	—	781	4,383,913	—	—	—
Totals	1,331	41,606	173,438,100	47,702,859	230,750,338	647,461,580
(c) Type of ownership						
Individual ownership	373	1,395	3,447,815	381,027	3,853,062	10,578,860
Partnerships	117	770	2,137,552	375,856	2,076,595	6,309,366
Incorporated companies	841	39,441	167,852,733	46,945,976	224,820,681	830,573,334
Totals	1,331	41,606	173,438,100	47,702,859	230,750,338	647,461,580

TABLE 7. Fuel and Electricity Used: Non-metallic Mineral Products Industries, 1960

Kind	Quantity	Cost at plant
		\$
Establishments reporting commodity detail:		
Bituminous coal:		
(a) From Canadian mines	ton	603,688
(b) Imported	"	516,887
Sub-bituminous coal (from Alberta mines only)	"	4,062
Anthracite coal	"	584
Lignite coal	"	18,419
Coke	"	11,452
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	11,096,641
Fuel oil (including kerosene or coal oil)	"	92,061,010
Wood	cord	79,621
Gas:		
(a) Liquefied petroleum gases	Imp. gal.	2,136,477
(b) Other manufactured gas	M cu. ft.	94,465
(c) Natural gas	"	19,244,744
Other fuel .....	..	236,834
Electricity purchased	kwh.	2,336,523,137
Steam purchased .....	..	441,909
Establishments reporting group detail:		
Cost of fuel .....	..	424,052
Cost of electricity .....	..	193,550
Estimate for establishments for which no data were collected:		
Cost of fuel and electricity .....	..	576,146
All establishments:		
Total cost of fuel and electricity .....	..	47,702,859

Note: For data by industries for 1960 refer to separate industry reports.

TABLE 8. Capital and Repair Expenditures: Non-metallic Mineral Products Industries, 1960-63

Year	Capital		Repair		Total capital and repair
	Construction	Machinery and equipment	Construction	Machinery and equipment	
	thousands of dollars				
1960	15,708	33,339	4,185	38,336	91,568
1961	11,819	32,812	4,304	41,918	90,853
1962	10,470	34,266	4,286	44,263	93,285
1963	16,475	32,393	3,735	42,818	95,421

Note: 1960-61 actual.
1962 preliminary estimate.
1963 intentions.

TABLE 9. Materials Used: Non-metallic Mineral Products Industries, 1960

Industry	Total cost of materials ¹	Catalogue No. (Annual)
Cement manufacturers	11,294,254	44-204
Lime manufacturers	1,010,426	44-209
Gypsum products manufacturers	14,006,834	44-217
Concrete products manufacturers	42,535,445	44-205
Ready-mix concrete manufacturers	58,408,165	44-211
Clay products manufacturers (from domestic clays)	1,264,138	44-215
Clay products manufacturers (from imported clays)	5,942,170	44-216
Refractories manufacturers	8,569,617	44-214
Stone products manufacturers	4,679,709	44-213
Mineral wool manufacturers	5,984,247	44-212
Asbestos products manufacturers	12,769,299	44-203
Glass manufacturers	21,687,153	44-207
Glass products manufacturers	18,561,313	44-207
Abrasives manufacturers	19,329,265	44-202
Other non-metallic mineral products industries	4,688,303	44-210
Total	230,750,338	

¹ For detail of materials used refer to the separate industry reports identified by the catalogue numbers above.

TABLE 10. Factory Shipments: Non-metallic Mineral Products Industries, 1960

Industry	Factory Shipments ¹	Catalogue No. (Annual)
Cement manufacturers	96,769,665	44-204
Lime manufacturers	11,874,520	44-209
Gypsum products manufacturers	30,364,799	44-217
Concrete products manufacturers	107,444,952	44-205
Ready-mix concrete manufacturers	101,200,299	44-211
Clay products manufacturers (from domestic clays)	38,033,768	44-215
Clay products manufacturers (from imported clays)	21,524,752	44-216
Refractories manufacturers	18,555,636	44-214
Stone products manufacturers	12,120,594	44-213
Mineral wool manufacturers	17,739,972	44-212
Asbestos products manufacturers	29,429,028	44-203
Glass manufacturers	62,553,640	44-207
Glass products manufacturers	41,988,923	44-207
Abrasives manufacturers	48,568,969	44-202
Other non-metallic mineral products industries	9,292,043	44-210
Total	647,461,580	

¹ For detail of factory shipments refer to the separate industry reports identified by the catalogue numbers above.



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