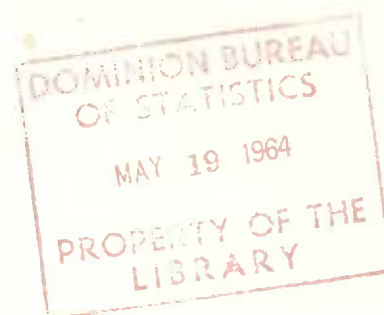


CATALOGUE No.

44-217

ANNUAL



GYPSUM PRODUCTS MANUFACTURERS

1961

The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

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 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 1961 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. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

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 1961, 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

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

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 but will be shown separately in subsequent years.

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, handling, warehousing and delivery staff. 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 the calendar year 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 with salaries, but will be shown separately in subsequent years. 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 establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components 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 generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment 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 which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested

on f.o.b. establishment 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 value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which was 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. 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.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

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 advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some 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 inter-

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

GYPSUM PRODUCTS MANUFACTURERS

1961

Data presented in this report under the heading of Gypsum Products Manufacturers reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of 1961 industry statistics—see items “Standard Industrial Classification” and “Establishment” in the Explanatory Notes section of this report. For statistical purposes the industry titled Gypsum Products Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing plaster, plaster board and other products composed wholly or chiefly of gypsum.

The introduction of the new definition of establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. Table 1 B reflects the adjustments on account of the new concept changes, for the years 1957 to 1961.

Due to increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in reports issued in the Census of Manufactures. It is planned to resume publication of these tables in the 1962 reports. In general, the tables affected are the following: Directory of Firms - Imports - Exports and Capital and Repair Expenditures.

Note: Implementation of the New Establishment Concept in 1961 affected the reporting procedures of a few firms. The major changes occurred as a result of combinations in reporting. Prior to 1961 some firms filed separate reports covering quarrying of crude gypsum in addition to the reports for their products plants. The Standard Industrial Classification (old basis) always recognized two separate industries in this area, one dealing with the quarrying of crude gypsum (Gypsum Mines) and the other dealing with establishments primarily engaged in manufacturing gypsum products (Gypsum Products Manufacturers). As mentioned above some firms filed separate reports to these two industries even when the two divisions were at the same location. Commencing in 1961, firms were asked to combine these operations at the same location for statistical purposes and to file a consolidated report in the relevant industry according to the nature of the major activity. In general, the major activity as a result of the consolidation was the manufacture of gypsum products so that quarrying operations previously reported separately are now being included as part of the industry reviewed in this report. A major effect of these consolidations was that crude gypsum previously reported by these establishments as a material is no longer reported. Crude gypsum now being reported represents only “Purchased” material. The effect of this change in reporting procedures is reflected in the re-compiled figures shown in Table 1 B.

TABLE 1A. Principal Statistics: Gypsum Products Manufacturers Significant Years, 1929 - 59

Basis: Standard Industrial Classification in use prior to 1960

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manu- facture	Selling value of factory shipments
	number		dollars				
1929	5	459	689,081	159,401	1,204,024	2,112,594	3,476,019
1933	8	152	109,172	54,998	481,873	443,718	980,589
1937	9	243	232,244	109,770	1,002,568	1,413,169	2,525,507
1939	9	307	321,596	129,889	1,240,763	1,803,485	3,174,137
1945	9	603	937,369	289,914	2,843,004	2,583,196	5,716,114
1946	9	905	1,298,693	412,031	4,076,812	4,266,247	8,775,090
1949	10	1,160	2,726,218	751,887	7,351,280	7,596,596	15,699,763
1955	12	1,977	6,830,904	1,438,300	13,893,069	16,388,745	31,469,039
1956	12	1,675	6,276,231	1,445,539	14,647,050	14,936,519	31,272,655
1957	12	1,528	5,933,594	1,450,810	12,495,092	15,702,360	29,627,225
1958	13	1,604	6,806,213	1,646,796	15,725,705	18,498,829	35,719,283
1959	13	1,626	7,181,793	1,465,057	15,966,506	18,234,955	35,461,217

TABLE 1B. Principal Statistics: Gypsum Products Manufacturers, 1957 - 61

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manu- facture	Selling value of factory shipments
	number		dollars				
1957	12	1,602	6,264,574	1,558,534	11,824,221	16,323,092	29,684,810
1958	13	1,698	7,203,837	1,776,987	15,063,288	19,294,748	35,910,976
1959	13	1,719	7,610,234	1,595,694	15,321,383	18,963,422	35,615,198
1960	14	1,601	6,893,302	1,546,019	13,293,068	15,808,973	30,475,981
1961	14	1,600	7,186,288	1,589,161	14,318,154	18,712,604	34,343,004

TABLE 2. Inventories:¹ Gypsum Products Manufacturers, 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening ²	2,541,836	55,581	1,745,843	4,343,260
Closing	2,404,134	48,008	2,030,331	4,482,473

¹ Book value of all manufacturing inventories owned and held at plant and plant warehouses.² The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate in 1961, changes in classification and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Gypsum Products Manufacturers, 1961

Product	Quantity	Selling value of factory shipments
		\$
Gypsum wallboard	sq. ft. 426,825,445	17,874,961
Gypsum lath	" 264,427,023	8,264,148
Gypsum hardwall plasters	ton 182,208	4,222,921
Other gypsum plasters	" 51,378	1,300,650
All other products .....	...	2,804,904
Less adjustments for value of sales taxes, excises duties and outward transportation charges which were not deducted from individual commodity items detailed above .....	...	124,580
Total .....	...	34,343,004

TABLE 4. Materials Used: Gypsum Products Manufacturers, 1961

Material	Quantity	Cost at plant
		\$
Cement, Portland	bag 68,602	75,876
Clay	ton 177	7,258
Glue	" 336	77,944
Gypsum, crude ¹	" 286,522	1,534,426
Hair	" 12	5,615
Lime	" 6,929	136,998
Paper, excluding bags	" 57,031	5,815,558
Retarder	" 522	113,834
Sawdust and shavings	" 62	2,259
Silica sand	" 3,549	54,211
Starch and paste	" 2,902	426,987
Containers, etc. ....	...	854,506
All other materials .....	...	5,212,682
Total .....	...	14,318,154

¹ Represents purchased crude gypsum only — establishments operating combined quarry and products plant are treated as one establishment as of 1961. Gypsum recovered by such establishments not included. For this reason crude gypsum figure not comparable with data reported in prior years — see footnote to text.

TABLE 5. Factory Shipments of Gypsum Wallboard and Gypsum Lath, 1952-61

Year	Gypsum wallboard		Gypsum lath	
	Square feet	Value	Square feet	Value
		\$		\$
1952	225,409,932	7,869,907	202,987,638	6,004,908
1953	251,784,173	9,195,011	269,225,013	8,152,601
1954	261,116,324	9,814,071	325,792,296	9,604,434
1955	303,551,960	11,745,957	396,675,440	11,612,443
1956	301,731,334	11,779,191	372,261,631	11,168,044
1957	304,591,000	12,004,000	322,402,000	9,744,000
1958	375,003,665	14,897,820	395,449,386	12,001,022
1959	399,528,231	15,853,964	367,014,811	11,310,103
1960	369,561,735	14,276,905	262,112,581	8,162,014
1961	426,825,445	17,874,961	264,427,023	8,264,148

TABLE 6. Employees and their Earnings: Gypsum Products Manufacturers

	1961
Employees:	
Office and supervisory:	
Male	No. 346
Female	" 95
Workmen:	
Male	" 1,157
Female	" 2
Total employees	" 1,600
Earnings:	
Office and supervisory	\$ 2,284,866
Workmen	\$ 4,901,422
Total earnings	\$ 7,186,288

TABLE 7. Production Workers, by Months: Gypsum Products Manufacturers, 1961

Month	Male	Female	Total
January	1,056	2	1,058
February	1,028	2	1,030
March	1,021	2	1,023
April	1,100	2	1,102
May	1,151	2	1,153
June	1,213	2	1,215
July	1,268	2	1,270
August	1,325	2	1,327
September	1,285	2	1,287
October	1,213	2	1,215
November	1,154	2	1,156
December	1,066	2	1,068
Average	1,157	2	1,159

TABLE 8. Fuel and Electricity Used: Gypsum Products Manufacturers, 1961

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) Canadian	ton 2,494	34,728
(b) Imported	" 8,165	104,105
Lignite coal	" 6,956	38,461
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 56,872	19,834
Fuel oil, including kerosene	" 9,492,202	684,620
Natural gas	M cu. ft. 380,814	140,374
Liquefied petroleum gases (propane, etc.)	Imp. gal. 26,058	6,198
Other fuel	795
Electricity purchased	kwh. 60,842,944	560,045
Total	1,589,161

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