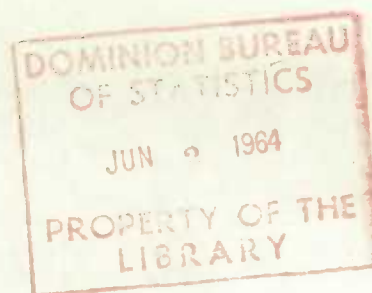


CATALOGUE No.

44-203

ANNUAL



ASBESTOS 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 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 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.

ASBESTOS PRODUCTS MANUFACTURERS

1961

Data presented in this report under the heading of Asbestos 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 Asbestos Products Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing asbestos textiles, packings, brake linings, gaskets, asbestos building materials and other commodities composed wholly or chiefly of asbestos.

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. In the case of the industry under review, Table 1B reflects the adjustments on account of the new concept changes, for the years 1957 to 1961.

As a result of increased work loads and staff shortages, it has been necessary to suspend publication of certain tables normally contained in the 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.

TABLE 1 A. Principal Statistics of the Asbestos Products Industry, 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 manufacture	Selling value of factory shipments
	number			dollars			
1929	12	351	359,433	80,902	1,348,460	857,276	2,286,638
1933	11	222	208,580	55,031	331,062	371,533	757,626
1937	13	451	464,882	91,252	812,639	992,786	1,896,677
1939	14	415	497,324	99,711	724,424	959,858	1,783,993
1945	13	912	1,422,077	216,635	2,812,091	2,648,565	5,677,291
1946	12	965	1,531,702	238,650	2,953,823	6,409,116	3,216,643
1949	14	1,533	3,637,864	461,473	4,794,030	5,087,506	10,343,009
1955	16	2,075	7,222,575	729,134	12,889,656	16,393,874	30,127,022
1956	16	2,249	8,527,505	829,850	15,955,866	18,356,090	34,229,784
1957	17	2,222	8,311,653	853,483	13,693,806	15,275,224	29,988,123
1958	16	1,924	7,545,988	879,444	12,236,863	14,888,807	27,609,862
1959	16	2,076	9,154,154	897,813	13,676,667	17,182,668	30,883,070

TABLE 1 B. Principal Statistics, Asbestos Products Manufacturers, by Provinces, 1957 - 61

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			dollars			
1957							
Quebec	4	1,462	5,196,426	484,458	8,981,329		17,442,420
Ontario	5	829	3,505,999	300,315	4,432,854	1	12,505,506
Nova Scotia	1						
British Columbia	1						
Canada	11	2,291	8,702,425	784,773	13,414,183		29,947,926
1958							
Quebec	4	1,217	4,919,429	469,195	7,633,078	6,725,038	14,945,085
Ontario	4	808	3,262,255	366,400	4,807,392	8,805,399	13,440,876
Nova Scotia	1						
British Columbia	1						
Canada	10	2,025	8,181,684	835,595	12,440,470	15,530,437	28,385,961
1959							
Quebec	4	1,327	5,675,549	486,483	8,769,178	9,039,266	17,503,687
Ontario	4	811	3,800,520	377,005	5,283,666	8,781,789	14,365,837
British Columbia	2						
Canada	10	2,138	9,476,069	863,488	14,052,844	17,821,055	31,869,524
1960							
Quebec	4	1,321	5,817,590	465,460	8,757,250	9,278,991	18,193,180
Ontario	4	823	3,807,787	383,384	5,096,561	8,968,533	14,599,214
British Columbia	3	37	140,106	7,656	130,272	200,324	344,292
Canada	11	2,181	9,765,483	856,500	13,984,083	18,447,848	33,136,686
1961							
Quebec	5	1,129	5,410,269	429,318	7,679,356	9,933,417	18,560,865
Ontario	7	937	4,580,793	476,984	5,995,344	10,710,022	16,761,869
British Columbia	3	35	144,713	14,473	175,675	210,538	412,282
Canada	15	2,101	10,135,775	920,775	13,850,375	20,853,977	35,735,016

¹ Because of lack of inventory data, "Value added" is not available for 1957

TABLE 2. Inventories:¹ Asbestos Products Manufacturers, 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	1,770,056	405,472	2,867,194	5,042,722
Ontario	1,339,766	375,485	1,655,277	3,370,528
British Columbia	95,677	679	79,060	175,416
Canada	3,205,499	781,636	4,601,531	8,588,666
Closing:				
Quebec	2,348,914	378,048	2,375,844	5,102,806
Ontario	1,073,206	414,834	2,036,409	3,524,449
British Columbia	76,823	—	68,143	144,966
Canada	3,498,943	792,882	4,480,396	8,772,221

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

(b) 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: Asbestos Products Manufacturers, 1961

Product	Value of factory shipments
	\$
Asbestos brake linings (automotive type only):	
Moulded	3,976,769
Other	364,044
Boiler and pipe coverings (Asbestos only — see table 6)	296,144
Asbestos gaskets	47,336
Asbestos textile products (cloth, clothing, dryer felts, yarn, pipe line felt, listings, thermo wrap pipe covering, webbing)	6,080,665
Asbestos paper products (millboard and paper)	364,788
All other products ¹	24,762,526
Less adjustments for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above	157,256
Total value of shipments and work done	35,735,016

¹ Includes hydraulic brake hose, mineral wool, asbestos shingles, asbestos cement wallboard, asbestos cement pipe, asbestos packings etc. Figures for these commodities cannot be shown separately as in most cases there were only one or two producers in this industry.

Note: Data in above table reflect the effects of accommodating the New Establishment Concept in 1961 and are, therefore, not comparable with previous years.

TABLE 4. Materials Used: Asbestos Products Manufacturers, 1961

Material	Quantity	Cost at plant
	pounds	\$
Asbestos fibre	49,385,795	4,393,314
Asbestos paper, corrugated and plain	2,478,874	296,714
Asbestos yarn	156,897	105,977
Cotton cloth and yarn	1,415,692	1,032,161
Rubber and rubber sheets	1,074,490	197,401
Containers and packing materials	729,312
All other materials ¹	7,095,496
Total	13,850,375

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$660,500. This amount is included in "All other materials".

Note: Data in above table reflect the effects of accommodating the New Establishment Concept in 1961 and are, therefore, not comparable with previous years.

TABLE 5. Factory Shipments of Asbestos Brake Linings,¹ 1952 - 61 (from All Industries)

Year	Moulded	Other	Total, all types
		dollars	
1952	2,949,000	430,000	3,379,000
1953	3,073,000	400,000	3,473,000
1955	3,088,000	557,000	3,645,000
1956	3,635,000	324,000	3,959,000
1957	3,239,000	343,000	3,582,000
1958	3,398,000	305,000	3,703,000
1959	4,136,000	285,000	4,420,000
1960	4,092,000	274,000	4,366,000
1961	3,977,000	364,000	4,341,000

¹ Automotive type only since 1956.**TABLE 6. Factory Shipments of Asbestos¹ Boiler and Pipe Coverings, 1952 - 61 (from All Industries)**

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
1952	1,669,000	1957	3,609,000
1953	1,507,000	1958	3,311,000
1954	1,465,000	1959	3,086,000
1955	1,631,000	1960	2,793,000
1956	3,292,000	1961	3,468,000

¹ Includes asbestos type only prior to 1956 but since then includes magnesia, felt and other types as well—pipeline felt and tank jackets are excluded.**TABLE 7. Principal Statistics, classified according to Type of Ownership:
Asbestos Products Manufacturers, 1961**

Type	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Incorporated companies	15	2,101	10,135,775	13,850,375	35,735,016
Totals	15	2,101	10,135,775	13,850,375	35,735,016

**TABLE 8. Principal Statistics grouped according to Selling Value of Factory Shipments:
Asbestos Products Manufacturers, 1961**

Establishments reporting value of factory shipments	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Under \$100,000	2	45			
\$ 100,000 to \$ 199,999	3		186,004	207,675	498,662
200,000 " 999,999	3	60	235,239	679,561	1,246,623
1,000,000 " 4,999,999	4	662	2,856,307	3,280,376	8,762,429
5,000,000 and over	3	1,334	6,858,225	9,682,763	25,227,302
Totals	15	2,101	10,135,775	13,850,375	35,735,016

TABLE 9. Employees and their Earnings, by Province: Asbestos Products Manufacturers, 1961

Year and province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						dollars		
Quebec	189	73	773	94	1,129	1,665,639	3,744,630	5,410,269
Ontario	132	75	718	12	937	1,045,788	3,535,005	4,580,793
British Columbia	5	3	27	—	35	46,883	97,830	144,713
Canada	326	151	1,518	106	2,101	2,758,310	7,377,465	10,135,775

TABLE 10. Production Workers, by Months: Asbestos Products Manufacturers, 1961

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	1,446	113
February	1,530	113
March	1,430	108
April	1,460	98
May	1,515	105
June	1,601	108
July	1,368	63
August	1,490	121
September	1,234	71
October	1,568	132
November	1,568	125
December	1,506	107
Average for establishments reporting monthly detail	1,476	106
Average estimated for small establishments ²	42	—
Average for all establishments	1,518	106

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

² The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 11. Fuel and Electricity Used: Asbestos Products Manufacturers, 1961

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines..... ton	20	273
(b) Imported	15,232	168,640
Gasoline (including gasoline used in cars and trucks)..... Imp. gal.	46,242	13,605
Fuel oil including kerosene or coal oil	4,188,820	305,496
Gas:		
(a) Liquefied petroleum gases	197,923	29,365
(b) Natural gas	35,496	42,595
Electricity purchased	30,373,987	340,001
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity	20,800
3. All establishments:		
Total cost of fuel and electricity	920,775

¹ Large establishments.

² Small establishments.

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