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THE ASBESTOS PRODUCTS INDUSTRY

1956

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces 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 of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part XVI, Non-metallic Mineral Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review, 25¢
- B — The Artificial Abrasives Industry, 25¢
- C — The Asbestos Products Industry, 25¢
- P — The Cement Manufacturing Industry (also in Mining), 25¢
- D — The Concrete Products Industry, 25¢
- E — The Glass and Glass Products Industry, 25¢
- K — The Gypsum Industry (also in Mining), 25¢
- Q — The Clay and Clay Products Industry (also in Mining), 25¢
- R — The Lime Industry (also in Mining), 25¢
- M — The Salt Industry (also in Mining), 25¢
- T — The Stone Industry (also in Mining), 25¢
- G — The Miscellaneous Non-metallic Mineral Products Industry, 25¢

THE ASBESTOS PRODUCTS INDUSTRY

1956

Factory shipments by the manufacturers of asbestos goods in Canada in 1956 were valued at \$34,229,784. The products included brake linings, at \$3,958,878; boiler and pipe coverings, at \$1,602,227; clutch facings, at \$944,117; asbestos packings, at \$855,974; asbestos textile products, at \$5,198,275; asbestos paper products, at \$825,037 and such other lines as cements, cement pipe, tank jackets, boiler covers, etc.

Sixteen factories were included in this industry in 1956, of which 8 were located in Ontario, 5 in Quebec, 2 in British Columbia and 1 in Nova Scotia. The number of employers totalled 2,249 and payments for salaries and wages for the year amounted to \$8,527,505. Expenditures for fuel and electricity totalled \$829,850 and materials for manufacturing cost \$15,955,866.

TABLE 1. Principal Statistics of the Asbestos Products Industry, Significant Years 1929-1956 and by Provinces, 1955 and 1956

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
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
1952	17	1,826	5,448,895	535,910	9,306,930	9,795,730	19,638,570
1953	18	1,930	6,223,024	557,589	10,363,034	11,110,349	22,030,972
1954	16	1,885	6,445,586	620,999	10,397,068	12,589,484	23,768,768
1955							
Quebec	5	1,325	4,505,907	433,677	7,561,621	7,354,569	15,476,717
Ontario	8	681	2,479,642	278,810	4,526,019	8,304,277	13,093,855
Nova Scotia	1	69	237,026	16,647	802,016	735,028	1,556,450
British Columbia	2						
Canada	16	2,075	7,222,575	729,134	12,889,656	16,393,874	30,127,022
1956							
Quebec	5	1,395	5,015,758	521,257	9,583,212	7,633,451	17,277,255
Ontario	8	785	3,273,790	291,223	5,526,563	9,790,000	15,169,308
Nova Scotia	1	69	237,957	17,370	846,091	932,639	1,783,221
British Columbia	2						
Canada	16	2,249	8,527,505	829,850	15,955,866	18,356,090	34,229,784

1. Figures for value added by manufacture, prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954 and later years information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures.

Note: Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Inventories ¹, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec	1,391,049	271,884	1,544,722	3,207,655
Ontario	899,992	620,248	763,042	2,283,282
Nova Scotia and British Columbia	47,682	—	150,111	197,793
Canada	2,338,723	892,132	2,457,875	5,688,730
Closing:				
Quebec	1,382,720	340,907	1,936,364	3,659,991
Ontario	983,744	754,945	1,066,823	2,805,512
Nova Scotia and British Columbia	56,043	—	162,990	219,033
Canada	2,422,507	1,095,852	3,166,177	6,684,536

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

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Asbestos Products Industry for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the industry such as: the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 3. Products Manufactured in the Asbestos Products Industry, 1955 and 1956

Product	1955		1956	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	No.	\$	No.	\$
Asbestos brake linings (automotive type only):				
Moulded	—	3,087,608	—	3,635,338
Other	—	557,290	—	323,540
Boiler and pipe coverings (Asbestos only — see table 6)	—	1,631,086	—	1,602,227
Asbestos clutch facings	1,319,478	856,275	1,244,078	944,117
Asbestos gaskets	—	186,785	—	123,151
Asbestos packings of all kinds	—	810,661	—	855,974
Asbestos textile products (cloth; clothing, dryer felts, yarn, pipe line felt, listings, thermo wrap pipe covering)	—	4,763,295	—	5,198,275
Asbestos paper products (Millboard and paper)	—	592,712	—	825,037
All other products ¹	—	16,641,310	—	20,722,125
Total	—	30,127,022	—	34,229,784

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

TABLE 4. Materials Used in the Asbestos Products Industry, 1955 and 1956

Material	1955		1956	
	Quantity	Cost at works	Quantity	Cost at works
	pounds	\$	pounds	\$
Asbestos fibre	64,073,891	4,355,817	72,837,682	5,438,307
Asbestos cloth	123,048	174,685	243,293	222,582
Asbestos paper, corrugated and plain	7,051,566	403,480	5,366,611	418,161
Asbestos yarn	1,296,153	996,564	1,320,145	1,043,361
Cotton cloth and yarn	—	691,626	—	647,659
Rubber and rubber sheets	—	104,216	—	135,975
Containers and packing materials	—	593,648	—	740,320
All other materials	—	5,569,620	—	7,309,501
Total	—	12,889,656	—	15,955,866

TABLE 5. Production¹ of Asbestos Brake Linings, 1947-1956 (From all Industries)

Year	Moulded		Other		Total value
	Quantity	Value	Quantity	Value	
	ft.	\$	ft.	\$	\$
1947	4,785,547	1,141,159	1,606,011	503,319	1,644,478
1948	3,799,250	1,231,144	938,662	390,717	1,621,861
1949	4,062,761	1,110,921	808,841	303,373	1,414,294
1950	—	2,078,416	—	268,858	2,347,274
1951	—	2,621,465	—	395,162	3,016,627
1952	—	2,949,000	—	430,000	3,379,000
1953	—	3,073,000	—	400,000	3,473,000
1954	—	2,572,000	—	436,000	3,008,000
1955	—	3,088,000	—	557,000	3,645,000
1956	—	3,635,000 ²	—	324,000 ²	3,959,000

1. Factory shipments since 1952.

2. Automotive type only, in 1956.

TABLE 6. Production¹ of Asbestos² Boiler and Pipe Coverings and Asbestos Packings, 1947-1956 (From all Industries)

Year	Selling value at works		Year	Selling value at works	
	Boiler and pipe coverings	Packings		Boiler and pipe coverings	Packings
	\$	\$		\$	\$
1947	603,316	313,718	1952	1,668,890	1,131,000
1948	880,529	259,085	1953	1,507,000	579,000
1949	1,127,000	260,000	1954	1,465,000	811,000
1950	1,232,000	366,000	1955	1,631,000	1,107,000
1951	1,368,116	592,004	1956	3,292,000	1,149,000

1. Factory shipments since 1952.

2. Includes asbestos type only prior to 1956 but in 1956 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 — 1955 and 1956

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
Incorporated companies	16	2,075	7,222,575	12,889,656	30,127,022
Total	16	2,075	7,222,575	12,889,656	30,127,022
1956					
Partnerships	1	2,249	8,527,505	15,955,866	34,229,784
Incorporated companies	15				
Total	16	2,249	8,527,505	15,955,866	34,229,784

TABLE 8. Principal Statistics of the Asbestos Products Industry in Canada, Grouped According to Size of Establishment, 1955 and 1956

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
Under \$25,000	2	20	60,643	29,857	115,797
\$50,000 to \$99,999	1				
\$100,000 to \$199,999	3	150	459,411	1,682,626	2,308,217
\$500,000 to \$999,999	2				
\$1,000,000 to \$4,999,999	6	1,905	6,702,521	11,177,173	27,703,008
\$5,000,000 and over	2				
Total	16	2,075	7,222,575	12,889,656	30,127,022
1956					
Under \$10,000	1	65	207,158	279,685	619,690
\$10,000 to \$24,999	1				
\$100,000 to \$199,999	4	2,184	8,320,347	15,676,181	33,610,094
\$1,000,000 to \$4,999,999	8				
\$5,000,000 and over	2				
Total	16	2,249	8,527,505	15,955,866	34,229,784

TABLE 9. Capital and Repair Expenditures in the Asbestos Products Industry, 1952-1956

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1952	79	895	974	49	511	560	1,534
1953	464	995	1,459	44	616	660	2,119
1954	321	642	963	50	635	685	1,648
1955	133	624	757	99	913	1,012	1,769
1956 ¹	373	2,279	2,652	94	946	1,040	3,692

1. Preliminary.

TABLE 10. Employees and Their Earnings in the Asbestos Products Industry, 1955 and 1956

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1955						\$	\$	\$
Quebec	206	77	868	174	1,325	1,224,859	3,281,048	4,505,907
Other provinces	121	54	548	27	750	695,703	2,020,965	2,716,668
Canada	327	131	1,416	201	2,075	1,920,562	5,302,013	7,222,575
1956								
Quebec	206	85	930	174	1,395	1,273,086	3,742,672	5,015,758
Other provinces	148	52	634	20	854	786,922	2,724,825	3,511,747
Canada	354	137	1,564	194	2,249	2,060,008	6,467,497	8,527,505

TABLE 11. Production Workers, by Months, 1955 and 1956

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
	Number					
January	1,313	200	1,513	1,469	203	1,672
February	1,333	199	1,532	1,476	204	1,680
March	1,360	199	1,559	1,512	195	1,707
April	1,375	198	1,573	1,545	199	1,744
May	1,384	200	1,584	1,578	190	1,768
June	1,435	198	1,633	1,631	203	1,834
July	1,446	198	1,644	1,631	193	1,824
August	1,472	200	1,672	1,580	186	1,766
September	1,491	203	1,694	1,586	188	1,774
October	1,482	213	1,695	1,576	195	1,771
November	1,480	202	1,682	1,598	196	1,794
December	1,433	203	1,636	1,584	195	1,779
Average	1,416	201	1,617	1,564	194	1,758

TABLE 12. Imports of Asbestos Products, 1955 and 1956

Item	1955	1956
Asbestos packings lb.	262,197	406,093
Asbestos brake linings for automobiles, motor vehicles and chassis \$	243,760	326,295
Asbestos clutch facings for automobiles, motor vehicles and chassis \$	395,979	486,776
Asbestos brake linings and clutch facings, n.o.p. \$	381,491	394,673
Asbestos in any form other than crude, and all manufactures of, n.o.p. \$	160,326	224,704
Asbestos in any form other than crude, and all manufactures of, n.o.p. \$	2,872,276	3,951,187
Total imports \$	4,053,832	5,383,635

TABLE 13. Exports and Re-exports of Asbestos and Asbestos Products, 1955 and 1956

	1955	1956
Asbestos, crude ton	586	560
Asbestos, crude \$	480,613	526,215
Asbestos milled fibres ton	365,980	377,044
Asbestos milled fibres \$	63,435,005	69,027,600
Asbestos waste, refuse or shorts ton	635,261	586,317
Asbestos waste, refuse or shorts \$	30,887,997	30,341,032
Asbestos clutch facings and brake linings \$	378,854	640,145
Asbestos packings \$	45,404	47,025
Asbestos manufactures, including asbestos roofing \$	2,492,500	3,090,981
Total exports and re-exports \$	97,720,373	103,672,998



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TABLE 14. Fuel and Electricity Used¹ in the Asbestos Products Industry, 1956

Kind		Quantity	Cost at works
			\$
Bituminous coal (a) From Canadian mines	ton	58	627
(b) Imported	"	20,795	232,248
Anthracite coal	"	62	751
Gasoline — including gasoline used in cars and trucks	imp. gal.	161,080	62,591
Kerosene	"	90	33
Fuel oil	"	2,715,226	253,228
Wood	cord	402	5,322
Gas (a) Liquefied petroleum gases	imp. gal.	103,132	16,792
(b) Natural gas	1000 cu. ft.	100	140
Other fuel	—	—	2,473
Electricity purchased	k.w.h.	36,582,962	255,645
Total	—	—	829,850

1. Last collected in this detail in 1953.

List of Firms in the Asbestos Products Industry, 1956

Name	Location of plant
Guildford's Limited	16 June St., Halifax, Nova Scotia
Asbestonos Corporation, Limited	48 Fort St., St. Lambert, Quebec
Atlas Asbestos Company Limited	5600 Hochelaga St., Montreal, Quebec
Asten-Hill Limited	Valleyfield, Quebec
Canadian Johns-Manville Company, Ltd.	Asbestos, Quebec
Philip Carey Company Ltd., The	Lennoxville, Quebec
Canadian Johns-Manville Company, Ltd.	Port Union, Ontario
Raybestos-Manhattan (Canada) Limited	280 Perry St., Peterborough, Ontario
Dominion Brake Shoe Company Ltd.	50 Colborne St., Lindsay, Ontario
Garlock Packing Co. of Canada Ltd., The	200 Queen St. N., Hamilton, Ontario
Hamilton Engine Packing Company	56 Alanson St., Hamilton, Ontario
Purves Protecto Products and W.R. Meadows of Canada Ltd.	96 Vine Ave., Toronto, Ontario
Thomas-Gordon Ltd.	12-14 Ferguson Ave. N., Hamilton, Ontario
A.C. Wild & Co.	142 Vine Ave., Toronto, Ontario
Acme Asbestos Ltd.	1222 East 67th Ave., Vancouver, British Columbia
Asbestos Cement Products Ltd.	Bridge St., New Westminster, British Columbia