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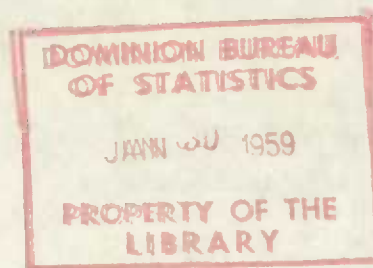
ANNUAL

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THE ASBESTOS PRODUCTS INDUSTRY

1957



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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

1957

Factory shipments by the manufacturers of asbestos goods in Canada in 1957 were valued at \$29,988,123. The products included brake linings at \$3,582,048; boiler and pipe coverings at \$1,786,790; asbestos packings, at \$692,265; asbestos textile products, at \$5,100,432; asbestos paper products, at \$562,264 and such other lines as cements, cement pipe, tank jackets, boiler covers, etc.

Seventeen factories were included in this industry in 1957, of which 9 were located in Ontario, 5 in Quebec, 2 in British Columbia and 1 in Nova Scotia. The number of employees totalled 2,222 and payments for salaries and wages for the year amounted

to \$8,311,653. Expenditures for fuel and electricity totalled \$853,483 and materials for manufacturing cost \$13,693,806.

Note: Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 1. Principal Statistics of the Asbestos Products Industry, Significant Years 1929-1957 and by Provinces, 1956 and 1957

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	Gross selling value of products
	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
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	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
1957							
Quebec	5	1,406	4,924,477	532,972	8,422,739	7,394,219	16,174,656
Ontario	9	779	3,257,731	301,013	5,047,465	7,719,188	13,364,677
Nova Scotia	1	37	129,445	19,498	223,602	161,817	448,790
British Columbia	2						
Canada	17	2,222	8,311,653	853,483	13,693,806	15,275,224	29,988,123

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 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	1,382,720	340,907	1,936,364	3,659,991
Ontario	1,048,881	755,478	1,126,685	2,931,044
Nova Scotia and British Columbia	56,041	—	162,990	219,031
Canada	2,487,642	1,096,385	3,226,039	6,810,066
Closing:				
Quebec	1,867,330	333,594	2,118,951	4,319,875
Ontario	1,157,906	629,416	955,736	2,743,058
Nova Scotia and British Columbia	27,212	—	119,117	146,329
Canada	3,052,448	963,010	3,193,804	7,209,262

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, 1956 and 1957

Product	1956		1957	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	No.	\$	No.	\$
Asbestos brake linings (automotive type only);				
Moulded	—	3,635,338	—	3,238,887
Other	—	323,540	—	343,161
Boiler and pipe coverings (Asbestos only — see table 6).		1,602,227	—	1,786,790
Asbestos clutch facings	1,244,078	944,117	Not available	
Asbestos gaskets	—	123,151	—	110,364
Asbestos packings of all kinds	—	855,974	—	692,265
Asbestos textile products (cloth; clothing, dryer felts, yarn, pipe line felt, listings, thermo wrap pipe covering, webbing)	—	5,198,275	—	5,100,432
Asbestos paper products (Millboard and paper)	—	825,037	—	562,264
All other products ¹	—	20,722,125	—	18,153,960
Total	—	34,229,784	—	29,988,123

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, 1956 and 1957

Material	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
	pounds	\$	pounds	\$
Asbestos fibre	72,837,682	5,438,307	65,444,135	4,875,464
Asbestos cloth	243,293	222,582	15,290	13,413
Asbestos paper, corrugated and plain	5,716,611 ¹	418,161	4,656,748	288,693
Asbestos yarn	1,320,145	1,043,361	1,367,950	1,070,302
Cotton cloth and yarn	—	647,659	—	804,002
Rubber and rubber sheets	—	135,975	—	137,009
Containers and packing materials	—	740,320	—	585,388
All other materials	—	7,309,501	—	5,919,535
Total	—	15,955,866	—	13,693,806

¹ Revised.

TABLE 5. Production¹ of Asbestos Brake Linings, 1948-1957 (From all Industries)

Year	Moulded		Other		Total value
	Quantity	Value	Quantity	Value	
	ft.	\$	ft.	\$	
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
1957	—	3,239,000 ²	—	343,000 ²	3,582,000

¹ Factory shipments since 1952.² Automotive type only, in 1956 and 1957.TABLE 6. Production¹ of Asbestos² Boiler and Pipe Coverings and Asbestos Packings, 1948-1957

Year	Selling value at works		Year	Selling value at works	
	Boiler and pipe coverings	Packings		Boiler and pipe coverings	Packings
	dollars	dollars		dollars	dollars
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
1952	1,668,890	1,131,000	1957	3,609,000	970,000

¹ Factory shipments since 1952.² Includes asbestos type only prior to 1956 but in 1956 and 1957 includes magnesite, felt and other types as well — pipeline felt and tank jackets are excluded.

TABLE 7. Principal Statistics, Classified According to Type of Ownership — 1956 and 1957

Type	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1956		number	dollars		
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
1957		number	dollars		
Partnerships	1	2,222	8,311,653	13,693,806	29,988,123
Incorporated companies	16				
Total	17	2,222	8,311,653	13,693,806	29,988,123

TABLE 8. Principal Statistics of the Asbestos Products Industry in Canada, Grouped According to Size of Establishment, 1956 and 1957

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
1956					
Under \$10,000	1	65	207, 158	279, 685	619, 690
\$10,000 to \$24,999	1				
\$100,000 to \$199,999	4				
\$1,000,000 to \$4,999,999	8	2, 184	8, 320, 347	15, 676, 181	33, 610, 094
\$5,000,000 and over	2				
Total	16	2, 249	8, 527, 505	15, 955, 866	34, 229, 784
1957					
Under \$10,000	1	102	328, 159	603, 906	1, 195, 992
\$10,000 to \$24,999	1				
\$100,000 to \$199,999	5				
\$200,000 to \$499,999	1	2, 120	7, 983, 494	13, 089, 900	28, 792, 131
\$1,000,000 to \$4,999,999	7				
\$5,000,000 and over	2	2, 222	8, 311, 653	13, 693, 806	29, 988, 123
Total	17	2, 222	8, 311, 653	13, 693, 806	29, 988, 123

TABLE 9. Capital and Repair Expenditures in the Asbestos Products Industry, 1953- 1957

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Con-struction	Machinery and equipment		Con-struction	Machinery and equipment		
	thousands of dollars						
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	254	1, 149	1, 403	105	921	1, 026	2, 429
1957 ¹	2, 433	1, 992	4, 425	147	877	1, 024	5, 449

¹ Preliminary.**TABLE 10. Employees and their Earnings in the Asbestos Products Industry, 1956 and 1957**

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1956	dollars							
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
1957								
Quebec	227	86	946	147	1, 406	1, 215, 781	3, 708, 696	4, 924, 477
Other provinces	155	52	591	18	816	896, 354	2, 490, 822	3, 387, 176
Canada	382	138	1, 537	165	2, 222	2, 112, 135	6, 199, 518	8, 311, 653

TABLE 11. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January	1,469	203	1,672	1,622	193	1,815
February	1,476	204	1,680	1,644	192	1,836
March	1,512	195	1,707	1,610	179	1,789
April	1,545	199	1,744	1,595	169	1,764
May	1,578	190	1,768	1,586	167	1,753
June	1,631	203	1,834	1,575	169	1,744
July	1,631	193	1,824	1,285	92	1,377
August	1,580	186	1,766	1,574	169	1,743
September	1,586	188	1,774	1,612	176	1,788
October	1,576	195	1,771	1,584	164	1,748
November	1,598	196	1,794	1,552	162	1,714
December	1,584	195	1,779	1,206	152	1,358
Average	1,564	194	1,758	1,537	165	1,702

TABLE 12. Imports of Asbestos Products, 1956 and 1957

Item	1956	1957
Asbestos packings	406,093	369,735
..... lb	326,295	296,701
Asbestos brake linings for automobiles, motor vehicles and chassis	486,776	432,495
..... \$	394,673	329,426
Asbestos clutch facings for automobiles, motor vehicles and chassis	394,673	329,426
..... \$	224,704	186,379
Asbestos brake linings and clutch facings, n.o.p.	224,704	186,379
..... \$	3,951,187	3,912,050
Asbestos in any form other than crude, and all manufactures of, n.o.p.	3,951,187	3,912,050
..... \$	5,383,635	5,157,051
Total imports	5,383,635	5,157,051

TABLE 13. Exports and Re-exports of Asbestos and Asbestos Products, 1956 and 1957

	1956	1957
Asbestos, crude	560	638
..... ton	526,215	567,731
..... \$	377,044	393,311
Asbestos milled fibres	377,044	393,311
..... ton	69,027,600	73,948,689
..... \$	586,317	636,611
Asbestos waste, refuse or shorts	586,317	636,611
..... ton	30,341,032	32,541,989
..... \$	640,145	565,709
Asbestos clutch facings and brake linings	640,145	565,709
..... \$	47,025	16,321
Asbestos packings	47,025	16,321
..... \$	3,090,981	1,338,750
Asbestos manufactures, including asbestos roofing	3,090,981	1,338,750
..... \$	103,672,998	108,979,189
Total exports and re-exports	103,672,998	108,979,189



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TABLE 14. Fuel and Electricity Used in the Asbestos Products Industry, 1956 and 1957

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Bituminous coal (a) From Canadian mines ton	58	627	44	503
(b) Imported "	20,795	232,248	19,200	230,130
Anthracite coal "	62	751	46	698
Gasoline—including gasoline used in cars and trucks Imp. gal.	161,080	62,591	66,265	22,207
Kerosene "	90	33	195	52
Fuel oil "	2,715,226	253,228	3,312,881	301,659
Wood cord	402	5,322	498	6,763
Gas (a) Liquefied petroleum gases Imp. gal.	103,132	16,792	109,347	19,017
(b) Natural gas M cu. ft.	100	140	10,916	9,813
Other fuel —	—	2,473	—	3,028
Electricity purchased kwh.	36,582,962	255,645	38,041,445	259,613
Total —	—	829,850	—	853,483

List of Firms in the Asbestos Products Industry, 1957

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
Caposite Insulations Ltd.	200 Exmouth St. Sarnia, 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	39 Morley 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