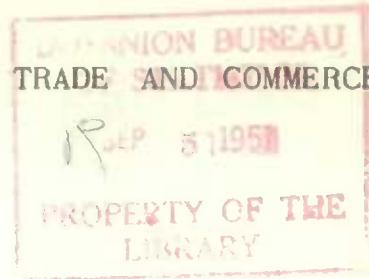


26-205-63  
DOMINION BUREAU OF STATISTICS - DEPARTMENT OF TRADE AND COMMERCE  
CANADA



## THE ASBESTOS MINING INDUSTRY 1950

Published by Authority of the RT. HON. C.D. HOWE  
*Minister of Trade and Commerce*

Prepared in the Mining, Metallurgical and Chemical Section  
Industry and Merchandising Division  
Dominion Bureau of Statistics, Ottawa

## NOTICE

It has been the practice of the Bureau of Statistics, since 1920, to issue an annual printed report on the Mineral Production of Canada. This report was comprised to a large extent of the data which had already been issued in bulletin form as statistics for each industry were completed. The final report was necessarily late in being issued, and its main use was for library purposes and for historical research. It also had the advantage of having complete statistics of the Canadian Mining Industry for a year in one volume.

Such a procedure necessitated the preparation of new manuscript, duplication of proof-reading, and extra costs in type-setting and printing. In order to avoid this extra cost, a system has been devised whereby libraries and other similar organizations may file the separate reports in a ring binder as issued, and if they so desire, may have them bound in a volume when the series for the year is complete.

The reports have been paged in such a manner that when bound they will correspond to the chapters of the annual printed report hitherto issued, but which has been discontinued.

The following reports will constitute the complete volume on Mineral Statistics of Canada:

- A General Review of the Mining Industry, 25¢.
- B The Gold Mining Industry, 50¢.
- C The Silver-Lead-Zinc Mining Industry, 30¢.
- D The Nickel-Copper Mining, Smelting and Refining Industry, 25¢.
- E The Miscellaneous Metal Mining Industry, 30¢.
- F The Non-ferrous Smelting and Refining Industry, 25¢.
- G The Coal Mining Industry, 75¢.
- H The Natural Gas and Crude Petroleum Industry, 25¢.
- I The Asbestos Mining Industry, 25¢.
- J The Feldspar and Quartz Mining Industry, 25¢.
- K The Gypsum Industry, 15¢.
- L The Peat Industry, 25¢.
- M The Salt Industry, 25¢.
- N The Talc and Soapstone Industry, 25¢.
- O The Miscellaneous Non-Metal Mining Industry, 30¢.
- P The Cement Manufacturing Industry, 25¢.
- Q The Clay and Clay Products Industry, 25¢.
- R The Lime Industry, 25¢.
- S The Sand and Gravel Industry, 25¢.
- T The Stone Industry, 35¢.
- U Contract Diamond Drilling in the Mining Industry, 25¢.

# THE ASBESTOS MINING INDUSTRY

## 1950

Asbestos shipped by the producers during 1950 reached a new high of 875,344 tons valued at \$65,854,568 compared with 574,906 tons valued at \$39,746,072 in 1949. In making the comparison it should be borne in mind that in 1949 the production was adversely affected by a labor strike which extended from February to June.

The asbestos mining industry paid \$15,848,829 in salaries and wages to the 5,552 persons employed in 1950. Fuel and electricity cost \$2,560,476, which included 199,065,345 k.w.h. of electricity valued at \$1,442,582. Process supplies and containers cost \$8,707,111.

Most of the asbestos was mined in the Eastern Townships of Quebec. In Ontario the Canadian

Johns-Manville Co. Ltd. brought its property in Munro township into production early in 1950. Prospects were explored in Eastern Quebec, the Matheson-Harker area in Ontario and in northern British Columbia.

Asbestos is used for a wide variety of purposes, the principal products being cloth, brake linings, clutch facings, packings, insulation, mill-board, siding, shingles, roofing, tile and pipes.

Price quotations of asbestos, December 1950, were crude No. 1, \$960-\$1,050 per ton; crude No. 2, \$492-\$550; spinning fibres, \$232-\$475; shingle fibres \$95.50-\$141; paper stock, \$78.50-\$88; shorts, \$27-\$52.

**TABLE 1. Principal Statistics of the Asbestos Mining Industry, 1948-1950**

	1948	1949	1950
Number of firms .....	11	15	15
Number of employees:			
Administrative .....	528	624	663
Workmen .....	4,431	3,429	4,889
<b>Total</b> .....	<b>4,959</b>	<b>4,053</b>	<b>5,552</b>
Salaries and wages:			
Salaries .....	\$ 1,569,991	\$ 1,892,068	\$ 2,203,603
Wages .....	\$ 10,566,624	\$ 8,677,003	\$ 13,645,226
<b>Total</b> .....	<b>\$ 12,136,615</b>	<b>\$ 10,569,071</b>	<b>\$ 15,848,829</b>
Selling value of products <sup>1</sup> .....	\$ 42,278,721	\$ 39,784,651	\$ 65,908,396
Cost of purchased fuel and electricity .....	\$ 2,085,673	\$ 1,499,439	\$ 2,560,476
Cost of process supplies <sup>2</sup> .....	\$ 3,068,607	\$ 2,556,226	\$ 4,257,597
Cost of containers .....	\$ 2,702,622	\$ 2,112,643	\$ 3,449,514
Net value of sales .....	\$ 34,421,819	\$ 33,616,343	\$ 55,640,809

<sup>1</sup> Includes value of sand and gravel.

<sup>2</sup> Explosives, drill steel, etc.

TABLE 2. Production and Shipments of Asbestos by Canadian Mines, 1949 and 1950

Grade	1949			1950		
	Production	Shipments		Production	Shipments	
		Quantity	Selling value, f.o.b. shipping point <sup>1</sup>		Quantity	Selling value, f.o.b. shipping point <sup>1</sup>
Crude .....	tons	tons	\$	tons	tons	\$
Crude .....	749	652	420,188	780	904	587,569
Spinning stocks .....	23,184	22,644	6,088,803	33,225	33,955	9,735,511
Shingle stocks .....	107,665	106,898	12,928,710	164,793	164,861	21,731,698
Paper stocks .....	66,712	65,041	5,446,190	103,331	106,378	9,535,576
Waste, stucco or plaster .....	105,629	105,998	6,209,266	179,294	175,743	10,990,538
Refuse or shorts .....	254,508	260,705	8,413,478	358,828	363,179	12,759,460
Sand .....	12,357	12,968	239,437	30,565	30,324	514,216
Total .....	570,804	574,906	39,746,072	870,816	875,344	65,854,568
Gravel and stone (waste rock only) <sup>2</sup> .....	35,291	35,291	38,579	48,007	48,007	53,828

1. Includes value of containers \$2,112,643 in 1949 and \$3,449,514 in 1950.

2. This production is included in the Sand and Gravel Industry.

TABLE 3. Tonnage of asbestos rock mined and milled, 1947-1950

	1947	1948	1949	1950
Rock mined .....	9,837,045	10,759,016	8,218,045	12,210,780
Rock milled .....	7,740,828	7,894,461	5,671,085	8,635,036

TABLE 4. Shipments of asbestos by Canadian mines, 1941-1950

Year	Tons	Selling value at works	Year	Tons	Selling value at works
1941 .....	477,846	\$ 21,468,840	1946 .....	558,181	\$ 25,240,562
1942 .....	439,459	22,663,283	1947 .....	661,821	33,005,748
1943 .....	467,196	23,169,505	1948 .....	716,769	42,231,475
1944 .....	419,285	20,619,516	1949 .....	574,906	39,746,072
1945 .....	466,896	22,805,157	1950 .....	875,344	65,854,568

TABLE 5. Shipments of asbestos by Canadian mines, by months, 1949-1950

Month	1949	1950	Month	1949	1950
short tons					
January .....	48,872	57,172	August .....	72,114	71,519
February .....	26,148	57,961	September .....	71,963	92,215
March .....	11,770	68,356	October .....	72,157	96,610
April .....	16,002	68,730	November .....	77,354	89,678
May .....	22,713	71,772	December .....	61,961	76,161
June .....	29,117	67,781	Total .....	574,906	875,344
July .....	64,735	57,389			

TABLE 6. Number of workmen, by months, 1949 and 1950 (Administration and office employees not included)

Month	Mine			Mill	
	Surface		Underground	Male	Female
	Male	Female	Male		
1949					
January .....	1,801	28	776	1,905	2
February .....	1,130	28	621	1,379	2
March .....	507	14	185	282	2
April .....	518	14	208	352	2
May .....	566	15	219	364	2
June .....	1,179	14	498	609	2
July .....	1,783	27	811	1,906	2
August .....	1,824	29	886	1,903	2
September .....	1,802	29	900	1,891	2
October .....	1,855	29	941	1,878	2
November .....	1,791	29	985	1,894	2
December .....	1,773	29	1,009	1,866	2
Average .....	1,379	24	671	1,353	2
1950					
January .....	1,850	28	1,019	1,807	3
February .....	1,863	28	1,029	1,804	3
March .....	1,896	27	1,042	1,839	3
April .....	1,935	28	1,031	1,833	3
May .....	1,940	29	1,061	1,868	3
June .....	1,965	29	1,057	1,868	3
July .....	1,990	27	1,003	1,911	3
August .....	1,941	30	1,016	1,912	3
September .....	1,977	28	1,036	1,924	3
October .....	1,976	30	1,060	1,922	3
November .....	1,964	28	1,085	1,933	3
December .....	1,944	29	1,071	1,890	3
Average .....	1,940	28	1,042	1,876	3

TABLE 7. Taxes paid by the Asbestos Mining Industry, 1949 and 1950

—	1949	1950
	\$	\$
Dominion income tax, including tax on non-operating revenue .....	2,570,677	5,809,382
Provincial taxes:		
Mining taxes paid on net profits from production, including portion paid to municipality .....	1,033,772	1,580,920
Corporation income tax where levied in addition to mining tax .....	2,054	26,756
Taxes paid on capital and places of business .....	39,569	25,641
Acreage taxes .....	3,426	1,876
Total provincial .....	1,078,821	1,635,193
Municipal taxes:		
Based on property evaluation .....	322,288	403,050
Grand total taxes paid .....	3,971,786	7,847,625

**TABLE 8. Specified miscellaneous expenditures by the Asbestos Mining Industry, 1948- 1950**

—	1948	1949	1950
	\$	\$	\$
Workmen's compensation .....	629,706	367,005	321,471
Silicosis assessment .....	—	—	9,986
Unemployment insurance.....	72,611	69,492	121,247
Aggregate cost of all supplies purchased .....	4,403,735	4,711,991	7,939,233
Aggregate cost of plant and equipment purchased .....	2,214,179	1,886,039	3,092,303
Cost of buildings, machinery and equipment erected or installed during the year .....	3,936,471	3,837,299	4,785,256

**TABLE 9. Imports and exports of asbestos and asbestos products, 1949 and 1950**

	1949		1950	
	Tons	\$	Tons	\$
<b>Imports</b>				
Asbestos clutch facings for automobiles, motor vehicles and chassis.....	—	221,208	—	285,222
Asbestos brake linings for automobiles motor vehicles and chassis .....	—	439,616	—	461,938
Asbestos brake linings and clutch facings, n.o.p.....	—	60,641	—	53,304
Asbestos in any other form than crude, and all manufactures of, n.o.p.....	—	1,729,200	—	1,651,888
Asbestos packing .....	128	145,695	167	179,000
<b>Total</b> .....	—	<b>2,596,360</b>	—	<b>2,631,352</b>
<b>Exports</b>				
Asbestos (crude) .....	631	416,245	845	543,645
Asbestos milled fibres .....	181,641	22,768,836	289,798	39,113,651
Asbestos waste, refuse and shorts .....	352,718	13,748,661	539,336	23,094,208
Asbestos brake lining facings .....	—	189,377	—	346,023
Asbestos packing .....	—	43,753	—	17,479
Asbestos manufactures n.o.p. ....	—	131,477	—	250,887
<b>Total</b> .....	—	<b>37,298,349</b>	—	<b>63,474,897</b>

TABLE 10. World production of asbestos, by countries<sup>1</sup>, in metric tons (U.S. Bureau of Mines)

Country	1945	1946	1947	1948	1949
Argentina .....	153	2	2	2	2
Australia:					
New South Wales .....	2,674	241	290	330	2
South Australia .....	7	8	40	41	13 <sup>3</sup>
Tasmania .....	281	—	—	—	2
Western Australia .....	1,109	380	1,069	977	433 <sup>4</sup>
Bolivia (exports) .....	61	—	141	147	2
Brazil .....	2	2	3,471	2	2
Canada (sales) <sup>5</sup> .....	423,559	506,371	600,391	650,239	521,543
Chile .....	313	280	2	150	2
Cyprus .....	3,182	4,142	6,795	8,106	11,276 <sup>6</sup>
Egypt .....	85	65	1,015	1,625	120
Finland <sup>7</sup> .....	4,197	5,781	6,351	10,818	2
France .....	400	575	934	2	2
French Indo-China .....	—	—	—	—	2
French Morocco .....	480	446	825	399	402
India .....	833	312	123	28	2
Italy .....	5,222	8,814	10,719	13,044	15,000 <sup>8</sup>
Japan .....	8,044	3,997	4,249	4,809	5,456
Kenya .....	389	165	582	510	716
Korea .....	1,303	2	2	2	2
Madagascar .....	1	1	2	2	2
New Zealand .....	2	—	—	—	2
Portugal .....	20	12	91	2	2
Southern Rhodesia .....	51,068	50,686	49,073	62,502	72,246
Spain .....	—	—	—	35	2
Swaziland .....	21,243	29,155	25,360	29,421	30,814
Switzerland .....	35	40	—	—	2
Turkey .....	138	55	36	203	170
Union of South Africa .....	25,597	18,348	27,344	41,490	46,028 <sup>4</sup>
United States (sold and used by producers) .....	11,091	12,769	21,804	33,649	39,360
Venezuela .....	2	65	293	192	200 <sup>8</sup>
<b>Total (estimate).....</b>	<b>632,000</b>	<b>724,000</b>	<b>872,000</b>	<b>995,000</b>	<b>895,000</b>

1. In addition to countries listed asbestos is produced in Algeria, Bulgaria, China, Czechoslovakia, Uganda and U.S.S.R. Estimates are included in total.

2. Data not available; estimate included in total.

3. January to June inclusive.

4. January to September inclusive.

5. Exclusive of sand, gravel and stone (waste rock only).

6. Exports.

7. Includes asbestos flour.

8. Estimate.



1010687446

## Directory of Firms in the Canadian Asbestos Mining Industry, 1950

Name of Firm	Head Office or General Office	Location of Mine
<b>Quebec:</b>		
Asbestos Corporation Ltd .....	Thetford Mines .....	Thetford Mines, Black Lake, Coleraine.
Asbestos Producers Corporation <sup>1</sup> ....	1410 Stanley St., Montreal .....	Coleraine.
Arnora Gold Mines Ltd <sup>1</sup> .....	1117 St. Catherine St. W., Montreal .....	Rigaud, Vaudreuil.
Bell Asbestos Mines Ltd .....	Thetford Mines.....	Thetford Township.
Buckland Mines Ltd <sup>1</sup> .....	12 Côte du Palais, Quebec .....	St. Luc.
Canadian Johns-Manville Co. Ltd ....	Sun Life Building, Montreal .....	Asbestos.
Continental Asbestos Co. Ltd <sup>1</sup> .....	508 Continental Bldg, Sherbrooke .....	Coleraine.
Douville & McLeod <sup>1</sup> .....	50 Falardeau St., Thetford Mines .....	Coleraine.
Flintkote Mines Ltd .....	Thetford Mines .....	Thetford Mines.
Gilmont Mines Ltd <sup>1</sup> .....	92 Perrault St.. Rouyn .....	Coleraine.
Johnson's Company .....	Thetford Mines .....	Thetford Mines, Coleraine.
International Asbestos Co. Ltd <sup>1</sup> .....	66 Wellington St. North, Sherbrooke .....	St. Adrien de Ham.
Nicolet Asbestos Mines Ltd .....	820 Transportation Building, Montreal...	Norbestos.
Pittsco Explorations Ltd <sup>1</sup> .....	Box 773 Garthby, P.Q. .....	Thetford, Broughton.
Paradis, J. Albert <sup>1</sup> .....	50 Rue St. Thomas, Thetford Mines .....	Thetford.
La Cie D'Amiante St-Laurent Ltée ....	St. Odelon, Dorchester.....	Dorchester.
Quebec Asbestos Corp. Ltd.....	East Broughton Station .....	East Broughton Station.
Standard Asbestos Mines, Ltd <sup>1</sup> .....	97 Rue St. Pierre.....	Beauceville.
United Asbestos Corp. Ltd <sup>1</sup> .....	132 St. James St. W., Montreal .....	Black Lake.
<b>Ontario:</b>		
Canadian Johns-Manville Co. Ltd ....	Sun Life Building, Montreal .....	Munro Township.
Chrysotile Asbestos Corp. of Canada Ltd <sup>1</sup> .....	36 Toronto St., Toronto.....	Montrose Township.
Colonial Asbestos Corp. Ltd <sup>1</sup> .....	1502 Sterling Tower, Toronto .....	Munro Township.
Teehana Mines Ltd <sup>1</sup> .....	25 First Ave, Shumacher .....	Deloro Township.
<b>British Columbia:</b>		
Acme Asbestos Cement Ltd <sup>1</sup> .....	1222 East 67th Ave, Vancouver .....	Arrowhead.
Conwest Exploration Co. Ltd <sup>1</sup> .....	901 Royal Bank Bldg., Vancouver .....	McDame Creek.
Pacific Asbestos Corp. Ltd <sup>1</sup> .....	201-999 W. Pender St., Vancouver .....	Sidmouth.

1. Carried on exploration or development work only.