

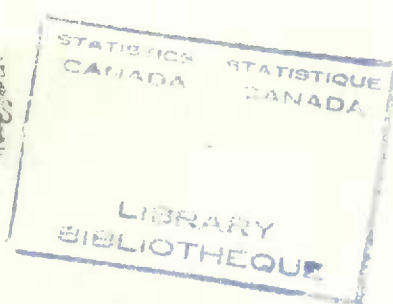
553.55

26-218
1952
c.3

26-218



CANADA



THE TALC AND SOAPSTONE INDUSTRY 1952

Published by Authority of

The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

Mining, Metallurgical and Chemical Section

6502-573
6-1-54

Price 25 cents

Vol. 1—Part I—N-1

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1954.

NOTICE

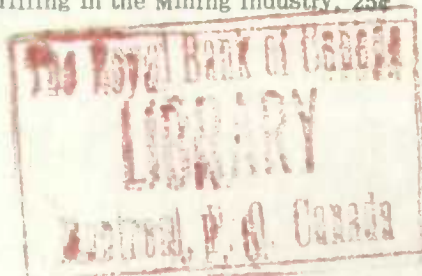
The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I — Mineral Statistics
- Part II — Forestry Statistics — Operations in the Woods
- Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A — General Review of the Mining Industry, 50¢
- B — The Gold Mining Industry, 50¢
- C — The Silver-Lead-Zinc Mining Industry, 25¢
- D — The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E — The Miscellaneous Metal Mining Industry, 25¢
- F — The Non-ferrous Smelting and Refining Industry, 25¢
- G — The Coal Mining Industry, \$1.00
- H — The Crude Petroleum and Natural Gas Industry, 25¢
- I — The Asbestos Mining Industry, 25¢
- J — The Feldspar and Quartz Mining Industry, 25¢
- K — The Gypsum Industry, 25¢
- L — The Peat Industry, 25¢
- M — The Salt Industry, 25¢
- N — The Talc and Soapstone Industry, 25¢
- O — The Miscellaneous Non-metal Mining Industry, 25¢
- 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, 25¢
- U — Contract Drilling in the Mining Industry, 25¢



C16a
①
1952

(26/3/54)

Canada. D. B. S.

THE TALC AND SOAPSTONE INDUSTRY

1952

Talc and soapstone shipped by producers in 1952 amounted to 25,032 tons valued at \$280,612 compared with 24,846 tons worth \$283,624 in 1951. Most of the production in Ontario was high-grade milled talc. The output from Quebec included crayons, blocks and ground soapstone. Operations in British Columbia were for experimental test purposes.

Employees numbered 54 persons to whom \$117,144 were paid in salaries and wages. Fuel cost \$6,551 and 1,165,433 k.w.h. of electricity were purchased for \$17,879.

Imports of talc and soapstone amounted to 8,749 tons valued at \$276,496 during 1952. Exports totalled 3,435 tons worth \$44,925.

Ground talc, including soapstone and pyrophyllite, is used chiefly in the paint, roofing, paper, rubber, insecticide, and ceramic industries. It is used also in foundry facings, bleaching fillers for textiles, cosmetics and pharmaceuticals, soaps and cleansers, plaster, polishes, plastics and for rice polishing. Soapstone is used extensively in the form of sawn blocks and bricks for lining the alkali recovery furnaces and kilns of kraft pulp and paper mills. Also it is used for brick and slab liners for fireboxes, stoves, and ovens, and for switchboard panels, laboratory benches, etc. Considerable quantities of soapstone quarry and sawing waste are ground and used as low-grade talc in the rubber, roofing, foundry, and other trades. Compact, massive talc, sawn into square pencils and slices, is an important material for steelmakers' crayons.

TABLE 1. Principal Statistics of the Talc and Soapstone Industry, 1950-1952

	1950	1951	1952
Number of firms.....	5	4	3
Number of employees:			
Administrative and office	8	3	6
Workmen.....	50	47	48
Total.....	58	50	54
Salaries and wages:			
Administrative and office	\$ 32,237	7,240	22,768
Workmen.....	84,310	102,282	94,376
Total.....	\$ 116,547	109,522	117,144
Gross value of products, f.o.b. quarries	\$ 364,635	305,338	303,118
Cost of fuel and purchased electricity at works	27,550	25,474	24,430
Cost of freight, process supplies and containers	39,225	37,481	49,764

TABLE 2. Producers' Shipments¹ of Talc and Soapstone, by Provinces, 1950-1952

	1950		1951		1952	
	Quantity	Selling value f.o.b. shipping points	Quantity	Selling value f.o.b. shipping points	Quantity	Selling value f.o.b. shipping points
	tons	\$	tons	\$	tons	\$
Quebec (soapstone) ²	17,209	181,623	11,148	123,084	12,578	130,901
Ontario (talc) and British Columbia ³	15,395	183,372	13,698	160,540	12,454	149,711
Canada.....	32,604	364,995	24,846	283,624	25,032	280,612

1. Includes both crude and milled grades.

2. Shipments by some firms usually include a considerable quantity of material classified as talc.

3. Includes pyrophyllite.

TABLE 3. Shipments of Talc and Soapstone by Canadian Producers, 1943-1952

Year	Tons	Value	Year	Tons	Value
		\$			\$
1943	26,163	266,685	1948	28,780	309,823
1944	32,597	357,249	1949	26,922	320,793
1945	27,088	294,888	1950	32,604	364,995
1946	29,353	303,684	1951	24,846	283,624
1947	26,709	266,377	1952	25,032	280,612

TABLE 4. Imports and Exports of Talc, 1950-1952

	1950		1951		1952	
	Tons	Value	Tons	Value	Tons	Value
		\$		\$		\$
Imports:						
Talc or soapstone	8,974	288,020	9,283	306,277	8,749	276,496
Exports:						
Talc	4,467	57,621	3,743	48,857	3,435	44,925

TABLE 5. Available Statistics on the Consumption of Ground Talc and Soapstone, 1949-1951

	1949	1950	1951
	(Tons)		
By uses:			
Paints	5,378	9,023	6,921
Roofing	8,595	9,739	8,861
Pulp and paper	3,827	1,634	1,974
Rubber	3,002	3,290	1,684
Toilet and medicinal preparations	864	861	778
Electrical apparatus	815	475	641
Clay products	882	716	894
Soaps and cleaning preparations	215	159	192
Textiles	484	571	518
Insecticides and miscellaneous chemicals	4,674	6,006	6,419
Polishes and dressings	—	25	12
Miscellaneous non-metallic mineral products	846	21	97
Iron foundries	110	110	—
Tanneries	50	50	8
Linoleum	5	—	2
Coal tar distillation	—	98	305
Total accounted for	29,747	32,778	29,306
By provinces:			
Nova Scotia and Newfoundland	151	127	182
New Brunswick	381	421	414
Quebec	8,433	8,735	9,077
Ontario	18,511	19,562	15,174
Manitoba	1,729	3,184	3,040
Saskatchewan	60	24	—
Alberta	86	103	616
British Columbia	416	622	803
Total	29,747	32,778	29,306

TABLE 6. Number of Workmen in the Talc and Soapstone Industry, by Months, 1951 and 1952

Month	1951				1952			
	Surface	Under-ground	Mill	Total	Surface	Under-ground	Mill	Total
	Number							
January	5	12	21	38	6	13	18	37
February	6	12	19	37	7	12	19	38
March	8	16	22	46	7	12	20	49
April	9	14	22	45	10	14	22	46
May	14	14	23	51	16	16	19	51
June	14	13	22	49	18	13	18	49
July	13	15	19	47	16	16	22	54
August	11	17	20	48	15	14	22	51
September	16	21	20	57	14	11	24	49
October	22	17	20	59	15	12	23	50
November	21	17	20	58	22	9	21	52
December	5	16	19	40	21	10	19	50
Average	11	15	21	47	14	13	21	48
					Total man-hours worked			
					1951	1952		
Administrative and office					4,758	13,241		
Workmen					112,091	97,238		
Total					116,849	110,479		

TABLE 7. World Production of Talc, Pyrophyllite, and Soapstone, by Countries, 1948-1952

(Extracted from the annual review issued by the U.S. Bureau of Mines)

Country ¹	1948	1949	1950	1951	1952
	(metric tons) ²				
North America:					
Canada (shipments)	26,109	24,423	29,578	22,540	23,504
United States	479,484 ³	416,709	559,440	581,009	545,132
South America:					
Argentina ⁴	5	5	5	15,000	16,000
Brazil	9,881	17,782	12,632	11,304	5
Chile	270	110	142	25	5
Uruguay	2,984	660	681	959	679
Europe:					
Austria	47,510	56,050	58,681	72,784	50,822
Finland	237	5	4,000	—	—
France	91,520	100,055	95,500	120,000	95,400
Germany, West	28,214	30,968	13,314	19,500	10,653
Greece	1,800	1,700	2,500	2,623	1,200
Italy	70,430	61,462	67,616	75,827	80,336
Norway	57,226	53,993	64,099	60,000	60,000 ⁴
Portugal	21	3	2	1	5
Spain ⁶	29,984	38,208	25,131	36,034	27,859
Sweden	11,703	11,293	13,843	13,332	5
United Kingdom	4,000	2,616	1,727	2,540	5



1010657434

MINERAL STATISTICS

TABLE 7. World Production of Talc, Pyrophyllite, and Soapstone, by Countries, 1948-1952
(Extracted from the annual review issued by the U.S. Bureau of Mines)

Country ¹	1948	1949	1950	1951	1952
	(metric tons) ²				
Asia:					
Afghanistan	—	100	75	840	800
India	18,386	21,535	25,894	32,314	5
Japan	243,737	262,433	283,566	400,626	318,386
Korea, Republic of	72	2,773	5	3,208	3,964
Taiwan (Formosa)	—	76	700	2,057	1,093
Africa:					
Egypt	5,521	5,573	3,731	3,754	4,903
Kenya	322	590	334	337	235
Union of South Africa	4,897	5,386	3,978	5,663	8,674
Australia	6,199	8,717	9,851	13,359	7,772
Total (estimate)	1,300,000	1,300,000	1,425,000	1,650,000	1,475,000

1. In addition to countries listed, talc or pyrophyllite is reported in China, Rumania, and U.S.S.R., but data on production are not available; and estimates have been included in total.

2. This table incorporates a number of revisions of data published in previous talc chapters.

3. Includes some pinite.

4. Estimate.

5. Data not available; estimate included in total.

6. Includes tonnages of steatite as follows: 1948, 18,627 tons; 1949, 20,880 tons; 1950, 13,702 tons; 1951, 22,628 tons; 1952, 18,412 tons.

Directory of Firms in the Talc and Soapstone Industry, 1952

Name of firm	Head office address	Location of plant or mine
Quebec:		
Baker Talc Limited	215 St. James St. W., Montreal	Highwater
Broughton Soapstone & Quarry Co. Ltd.	Broughton Station	Broughton
Industrial Talc Prospecting Syndicate	36 Park Lawn Rd., Toronto, Ontario,	Bolton Tp.
Ontario:		
Canada Talc Industries Ltd.	Madoc	Huntingdon Tp.
British Columbia:		
Mountain Minerals Ltd.	Box 273, Lethbridge, Alberta	Armstrong, Semlin