

CATALOGUE No.

6-218

ANNUAL

Mr. D. J. C-3

OCT 5 1960



CANADA

THE TALC AND SOAPSTONE INDUSTRY

1959



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

October, 1960
6514-527

Price 25 cents

PUBLICATIONS ON MINERAL STATISTICS

Dominion Bureau of Statistics
Ottawa, Canada

Catalogue number	Name of publication	Price
Annual		
26 - 201	A - General Review of the Mining Industry	\$.75
26 - 209	B - The Gold Mining Industry .....	.75
26 - 216	C - The Silver-Lead-Zinc Mining Industry .....	.50
26 - 211	D - The Nickel-Copper Mining, Smelting and Refining Industry .....	.50
26 - 210	E - The Iron Mining Industry .....	.50
26 - 219	F - The Miscellaneous Metal Mining Industry .....	.75
41 - 214	G - The Smelting and Refining Industry .....	.50
26 - 206	H - The Coal Mining Industry	1.00
26 - 213	I - The Crude Petroleum and Natural Gas Industry .....	.50
26 - 205	J - The Asbestos Mining Industry .....	.50
26 - 208	K - The Feldspar and Quartz Mining Industry .....	.50
44 - 208	L - The Gypsum Industry .....	.50
26 - 212	M - The Peat Industry .....	.25
26 - 214	N - The Salt Industry .....	.50
26 - 218	O - The Talc and Soapstone Industry .....	.25
26 - 220	P - The Miscellaneous Non-metal Mining Industry .....	.75
44 - 204	Q - The Cement Manufacturing Industry .....	.50
44 - 206	R - The Clay and Clay Products Industry .....	.50
44 - 209	S - The Lime Industry .....	.50
26 - 215	T - The Sand and Gravel Industry .....	.50
26 - 217	U - The Stone Industry .....	.50
26 - 207	V - Contract Drilling in the Mining Industry .....	.50
26 - 202	- Preliminary Estimate of Canada's Mineral Production .....	.25
26 - 203	- Preliminary Report of Mineral Production .....	.75
26 - 204	- Principal Statistics of the Mineral Industry .....	.25

Monthly

		Per copy	Per year
26 - 007	- Canada's Leading Minerals .....	.10	\$1.00
26 - 001	- Asbestos .....	.10	1.00
44 - 001	- Cement .....	.10	1.00
44 - 005	- Products Made from Canadian Clay .....	.10	1.00
26 - 002	- Preliminary Report on Coal .....	.10	1.00
45 - 002	- Coal and Coke Statistics .....	.25	2.00
26 - 003	- Copper and Nickel Production .....	.10	1.00
26 - 004	- Gold Production .....	.10	1.00
26 - 005	- Iron Ore .....	.10	1.00
26 - 006	- Crude Petroleum, Natural Gas .....	.10	1.00
26 - 009	- Salt .....	.10	1.00
26 - 008	- Silver, Lead and Zinc Production .....	.10	1.00

A complete catalogue of publications of the Dominion Bureau of Statistics is available upon request.

THE TALC AND SOAPSTONE INDUSTRY

1959

Canadian producers of talc, soapstone, pyrophyllite and steatite shipped 39,176 short tons valued at \$512,129 in 1959 compared with 35,405 tons valued at \$429,138 in the preceding year.

In Newfoundland pyrophyllite was mined Manuels, about 12 miles southwest of St. John's. Quebec mines produced ground talc and steatite, also soapstone blocks and crayons. Talc of various particle sizes was shipped from the Madoc, Ontario area. There has been no production of talc or pyrophyllite from British Columbian properties in recent years.

The industry employed an average of 65 persons to whom \$184,656 were paid as salaries and wages. Fuel and electricity cost \$39,022 which included 1,443,009 kwh. of purchased electricity at a cost of \$31,218. Containers and process supplies cost \$79,062.

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 for the Talc and Soapstone Industry, Significant Years, 1921 - 59

Year	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of process supplies and containers at works	Gross selling value of products (f.o.b. works)	Net value of production ¹
	number		dollars				
1921	4	39	64,703	15,731	..	144,565	..
1929	5	86	74,300	21,395	..	229,198	..
1931	5	70	71,787	19,128	..	157,083	..
1933	7	103	83,060	26,424	..	190,836	..
1937	7	83	72,020	19,318	6,076	163,814	138,420
1939	6	65	60,512	15,154	7,178	170,066	147,734
1941	8	148	128,820	26,882	28,324	360,809	305,603
1944	6	113	133,883	27,642	40,523	357,249	289,084
1946	5	87	117,551	25,401	38,167	303,684	240,116
1949	3	59	105,736	21,826	42,426	320,793	256,541
1951	4	50	109,522	25,474	37,481	305,338	242,383
1954	4	53	134,437	35,545	65,209	389,048	288,294
1955	4	50	129,221	38,689	63,122	392,667	290,831
1956	4	67	169,120	30,490	83,043	429,335	315,802
1957	4	77	222,287	35,427	107,298	512,724	369,999
1958	4	76	213,576	36,033	105,097	519,781	378,651
1959	4	65	184,656	39,022	79,062	577,488	459,404

¹ Gross value less cost of fuel, electricity, process supplies and containers.

.. Figures not available.

TABLE 2. Producers' Shipments¹ of Talc and Soapstone, by Provinces, 1957 - 59

Province	1957		1958		1959	
	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	17,803	220,330	19,226	194,074	15,937	185,951
Newfoundland ³	16,922	207,343	16,179	235,062	23,239	326,178
Ontario						
Canada	34,725	427,673	35,405	429,136	39,176	512,129

¹ Includes both crude and milled grades. Value of containers is excluded.

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

³ Includes pyrophyllite.

TABLE 3. Shipments of Talc and Soapstone¹ by Canadian Producers, 1950-59

Year	Tons	Value	Year	Tons	Value
1950	32,604	364,995	1955.....	27,160	338,967
1951	24,846	283,624	1956.....	29,326	365,226
1952	25,032	280,612	1957.....	34,725	427,673
1953	27,408	285,755	1958.....	35,405	429,136
1954	28,143	335,353	1959.....	39,176	512,129

¹ Includes pyrophyllite.

TABLE 4. Imports and Exports of Talc, 1957-59

	1957		1958		1959	
	Tons	Value	Tons	Value	Tons	Value
		\$		\$		\$
Imports:						
Talc, or soapstone	14,949	536,189	16,593	584,666	18,501	696,949
Exports:						
Talc	2,353	29,848	1,931	24,713	2,053	29,796

TABLE 5. Available Statistics on the Consumption of Ground Talc and Soapstone, 1955-58

	1955	1956	1957	1958
	tons			
By uses:				
Paints	7,872	7,436	6,914	8,638
Roofing	9,414	9,091	9,564	10,540
Pulp and paper	687	900	2,440	254
Rubber	1,392	1,742	2,047	1,879
Toilet preparations	540	716	1,607	1,582
Electrical apparatus	311	791	104	204
Clay products	3,302	4,157	5,247	5,384
Soaps and cleaning preparations	64	117	109	119
Textiles and linoleum	975	¹	—	..
Insecticides and miscellaneous chemicals	5,503	3,785	..	4,216
Polishes and dressings	8	7	44	45
Miscellaneous non-metallic mineral products	83	75	..	..
Tanneries	6	3	..	..
Asbestos products	9	..	..	..
Coal tar distillation	783	2,385	..	..
Medicinal preparations	408	246	393	376
Gypsum products .....	..	28	..	..
Total accounted for	31,357	31,479	28,469	33,237
By provinces:				
Nova Scotia and Newfoundland	158	126	140	154
New Brunswick	527	356	343	382
Quebec	11,962	10,452	10,892	14,052
Ontario	14,745	15,977	13,604	12,573
Manitoba	1,438	1,463	1,337	3,153
Saskatchewan	536	522	..	415
Alberta	732	1,078	1,167	1,380
British Columbia	1,259	1,505	986	1,128
Totals	31,357	31,479	28,469	33,237

¹ Not reported separately.
.. Figures not available.

TABLE 9. World Production of Talc, Pyrophyllite and Soapstone, by Countries¹

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

Country ¹	1954	1955	1956	1957	1958
	short tons ²				
North America:					
Canada (shipments)	28,143	27,160	29,326	34,725	33,494
United States	618,994	725,708	739,039	684,453	737,333
Totals	647,137	752,868	768,365	719,178	770,827
South America:					
Argentina	50,376	25,211	24,920	26,239	26,500
Brazil	21,967	27,190	30,684	23,023	22,000
Chile	—	—	—	—	—
Paraguay	132	110 ³	110 ³	110 ³	110
Peru	131	3,708	4,031	2,689	2,750
Uruguay	1,167	1,249	1,580	1,566	1,990
Totals	73,773	57,468	61,325	53,627	53,350
Europe:					
Austria	68,310	77,905	72,813	80,915	78,074
Finland	8,197	5,265	8,146	9,259	7,330
France	132,154	132,683	126,840	156,528	155,205
Germany, West	36,170	38,889	39,463	33,000 ³	33,000
Greece	1,275	2,315	2,205	2,205	2,200
Italy	94,440	110,292	105,005	102,065	120,101
Norway	80,771	88,598	82,154	72,752	63,383
Portugal	6	11	95	—	—
Spain	22,896	25,168	30,405	32,064	32,131
Sweden	14,689	13,695	14,492	13,918	15,242
United Kingdom	4,447	5,641	4,270	4,256	4,400
Yugoslavia	—	2,922	—	—	—
Totals^{3 1}	485,000	525,000	510,000	530,000	535,000
Asia:					
Afghanistan	1,200	700	899	770 ³	770
India	47,405	47,476	52,478	49,253	51,520
Japan	246,197	251,479	345,846	469,109	381,378
Korea, Republic of	20,965	12,092	15,719	12,434	17,581
Taiwan (Formosa)	7,791	5,807	6,758	5,938	3,677
Totals^{3 1}	390,000	430,000	565,000	705,000	620,000
Africa:					
Egypt	2,822	6,878	7,706	6,031	6,000
Kenya	111	—	—	—	—
Union of South Africa	7,974	1,581	1,968	2,314	765
Totals	10,907	8,459	9,674	8,345	6,765
Australia	14,699	14,075	14,979	16,484	14,018
World totals (estimate)^{1 2}	1,620,000	1,790,000	1,930,000	2,030,000	2,000,000

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; estimates have been included in total.

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

³ Estimate.

Directory of Firms in the Talc and Soapstone Industry, 1959

Name of firm	Head office address	Location of plant or mine
Newfoundland:		
Newfoundland Minerals	Box 348, St. John's	Long Pond, Conception Bay
Quebec:		
Baker Talc Limited	215 St. James St. W., Montreal	Highwater
Broughton Soapstone & Quarry Co. Ltd.	Broughton Station	Broughton
Douville Steatite Co. ¹	Box 70, Thetford Mines	Wolfestown
Ontario:		
Canada Talc Industries Ltd.	Madoc	Huntingdon Twp.
British Columbia:		
Mountain Minerals Ltd. ¹	Box 273, Lethbridge, Alberta	Armstrong, Semlin

¹ Non-producing during current year.

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010657455