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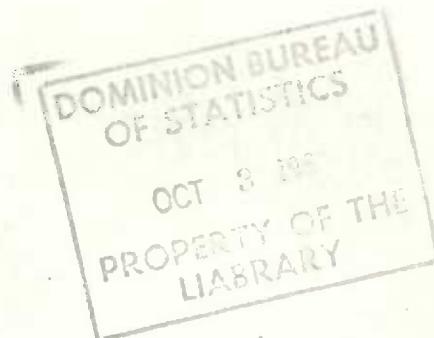
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THE TALC AND SOAPSTONE INDUSTRY 1960



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THE TALC AND SOAPSTONE INDUSTRY

1960

The Talc and Soapstone Industry is part of Other Non-Metal Mines (079) Standard Industrial Classification.

Canadian producers of talc, soapstone, pyrophyllite and steatite shipped 41,636 short tons valued at \$523,181 in 1960 compared with 39,176 tons valued at \$512,129 in the preceding year.

In Newfoundland pyrophyllite was mined at 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 70 persons to whom \$235,373 were paid as salaries and wages. Fuel and electricity cost \$35,985 which included

1,326,879 kwh. of purchased electricity at a cost of \$29,100. Containers and process supplies cost \$63,274.

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, 1921-60

Year	Establishments	Employees	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
						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	170,056	147,734
1941	8	148	128,820	26,882	28,324	360,809	305,603
1944	6	113	133,883	27,542	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
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
1960	4	70	235,373	35,985	63,274	565,519	466,260

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, 1958-60

Province	1958		1959		1960	
	Quantity	Selling value f.o.b. shipping points	Quantity	Selling value f.o.b. shipping points	Quantity	Selling value f.o.b. shipping points
Quebec (soapstone) ²	tons	\$	tons	\$	tons	\$
Quebec (soapstone) ²	19,226	194,074	15,937	185,951	14,222	157,611
Newfoundland ³	16,179	235,062	23,239	326,178	27,414	365,570
Ontario						
Canada	35,405	429,136	39,176	512,129	41,636	523,181

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, 1951-60

Year	Tons	Value	Year	Tons	Value
		\$			\$
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
1955	27,160	338,967	1960	41,636	523,181

¹ Includes pyrophyllite.

TABLE 4. Imports and Exports of Talc, 1958-60

	1958		1959		1960	
	Tons	Value	Tons	Value	Tons	Value
		\$		\$		\$
Imports:						
Talc, or soapstone	16,593	584,666	18,501	696,949	19,153	807,429
Exports:						
Talc	1,931	24,713	2,053	29,796	1,660	24,272

TABLE 5. Available Statistics on the Consumption of Ground Talc and Soapstone, 1956-59

	1956	1957	1958	1959
tons				
By uses:				
Paints	7,436	6,914	8,638	8,494
Roofing	9,091	9,564	10,540	9,422
Pulp and paper	900	2,440	254	250
Rubber	1,742	2,047	1,879	2,502
Toilet preparations	716	1,607	1,582	1,683
Electrical apparatus	791	104	204	119
Clay products	4,157	5,247	5,384	4,576
Soaps and cleaning preparations	117	109	119	54
Insecticides and miscellaneous chemicals	3,785	..	4,216	2,687
Polishes and dressings	7	44	45	43
Miscellaneous non-metallic mineral products	75	..	..	..
Tanneries	3	..	..	..
Coal tar distillation	2,385	..	..	..
Medicinal preparations	246	393	376	355
Gypsum products	28	..	..	..
Total accounted for	31,479	28,469	33,237	30,185
By provinces:				
Nova Scotia and Newfoundland	126	140	154	145
New Brunswick	356	343	382	332
Quebec	10,452	10,892	14,052	13,344
Ontario	15,977	13,604	12,573	12,077
Manitoba	1,463	1,337	3,153	1,794
Saskatchewan	522	..	415	42
Alberta	1,078	1,167	1,380	1,364
British Columbia	1,505	986	1,128	1,087
Totals	31,479	28,469	33,237	30,185

.. Figures not available.

TABLE 6. Employees and their Earnings in the Talc and Soapstone Industry, 1956-60

Year	Employees						Man-hours worked (all employees)	Earnings		
	Office and administrative		Workmen		Total	Office and administrative		Workmen	Total	
	Male	Female	Male	Female		Male		Female		
	number							dollars		
1956	10	1	56	-	67	157,323	41,061	128,059	169,120	
1957	9	1	67	-	77	189,728	45,453	176,834	222,287	
1958	9	2	65	-	76	160,622	50,667	162,909	213,576	
1959	7	2	56	-	65	153,466	37,726	146,930	184,656	
1960	15	4	51	-	70	124,289	86,302	149,071	235,373	

TABLE 7. Average Number of Workmen, by Months, 1959 and 1960

Month	1959				1960				
	Surface	Under-ground	Mill	Total	Surface	Under-ground	Mill	Total	
January	4	10	20	34	26	10	16	52	
February	4	10	20	34	8	11	15	34	
March	4	11	20	35	8	11	15	34	
April	6	14	20	40	25	11	16	52	
May	17	14	30	61	28	11	17	56	
June	23	13	33	69	32	10	15	57	
July	24	12	36	72	34	10	15	59	
August	42	10	20	72	34	9	14	57	
September	39	9	21	69	32	9	14	55	
October	32	13	18	63	32	14	12	58	
November	31	11	16	58	34	15	10	59	
December	31	11	16	58	16	14	11	41	
Average	22	11	23	56	26	11	14	51	
Man-hours worked	130,888				124,289				

TABLE 8. Fuel and Electricity Used in the Talc and Soapstone Industry, 1960

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	-	-
(b) Imported	-	-
Sub-bituminous coal (from Alberta mines only)	-	-
Anthracite coal	-	-
Lignite coal	-	-
Coke (for fuel only)	-	-
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal.	4,215
Kerosene or coal oil	11	3
Fuel oil	12,478	2,432
Wood (cords of 128 cubic feet of piled wood)	cord	200
Gas (a) Liquefied petroleum gases (propane, etc.)	50	35
(b) Other manufactured gas	220	-
(c) Natural gas	-	-
Other fuel	-	-
Electricity purchased for power and lighting	kwh.	29,100
Electricity purchased for other purposes	-	-
Totals (cost only) .....	...	35,985
Electricity generated (a) For own use	-	...
(b) For sale	-	-

... Figures not applicable.

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	1959
short tons ²						
North America:						
Canada (shipments).....	28,143	27,160	29,326	34,725	35,405	38,884
United States	618,994	725,708	739,039	684,453	718,165	795,008
Totals	647,137	752,868	768,365	719,178	753,570	833,892
South America:						
Argentina	50,376	25,211	24,920	26,239	26,500	26,500
Brazil	21,967	27,190	30,684	23,023	31,422	31,000
Paraguay.....	132	110 ³	110 ³	110 ³	110	110
Peru.....	131	3,708	4,031	2,689	2,073	1,694
Uruguay.....	1,167	1,249	1,580	1,566	1,990	2,335
Totals	73,773	57,468	61,325	53,627	62,095	61,600
Europe:						
Austria	68,310	77,905	72,813	80,915	78,074	56,475
Finland	8,197	5,265	8,146	9,259	7,330	8,505
France.....	132,154	132,683	126,840	145,505	155,205	162,040
Germany, West	36,170	38,889	39,463	32,854	33,000	33,000
Greece.....	1,275	2,315	2,205	2,205	—	—
Italy.....	94,440	110,292	105,005	102,592	120,704	116,613
Norway	80,771	88,598	82,154	117,965	63,383	127,000
Portugal	6	11	95	—	—	—
Spain	22,896	25,168	30,405	32,064	32,131	35,000
Sweden	14,689	13,695	14,492	13,918	15,242	15,000
United Kingdom.....	4,447	5,641	4,270	4,256	4,400	4,400
Yugoslavia.....	—	2,922	—	—	—	—
Totals^{1,3}	485,000	525,000	510,000	565,000	535,000	580,000
Asia:						
Afghanistan	1,200	700	899	770 ³	770	770
India	47,405	47,476	52,478	49,253	51,520	70,572
Japan.....	246,197	251,479	345,846	469,109	377,994	624,133
Korea, Republic of	20,965	12,092	15,719	12,434	17,581	19,272
Taiwan (Formosa).....	7,791	5,807	6,758	5,938	3,677	7,101
Totals^{1,3}	390,000	430,000	565,000	705,000	615,000	900,000
Africa:						
Egypt.....	2,822	6,878	7,706	6,031	7,253	7,000
Kenya	111	—	—	—	—	—
Morocco.....	—	—	—	—	5,413	3,915
Swaziland	—	—	—	22	157	1,008
Union of South Africa	7,974	1,581	1,968	2,314	765	1,412
Totals	10,907	8,459	9,674	8,367	13,588	13,335
Australia	14,699	14,075	14,979	16,484	17,539	16,000
World totals (estimate)^{1,2}	1,620,000	1,790,000	1,930,000	2,070,000	2,000,000	2,400,000

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, 1960

Name of firm	Head office address	Location of plant or mine
Newfoundland:		
Newfoundland Minerals	Box 1196, 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.

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