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DOMINION BUREAU OF STATISTICS - CANADA
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TALC AND SUAPSTONE, 1933.

The value of talc and soapstone produced in Canada during 1933 totalled \$186,749 as compared with \$159,038 in 1932, according to finally revised statistics just issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa.

The combined value of these minerals represents an increase of 17 per cent over that of the preceding year and is the highest production value recorded for the industry since 1929. The recent increase in Canadian talc output, together with its rather diversified industrial applications, would appear to indicate a rather broad upward trend in production of manufactures, especially those in which this mineral is an essential constituent.

Soapstone products are produced from a deposit in Broughton township, Quebec. This property was in active operation throughout 1933. The mineral is mainly used, in the shape of blocks, as a refractory lining in alkali recovery furnaces in paper mills using the sulphite process. Powdered soapstone finds a good market as a filler in various industries. Mixed with Portland cement it has been used successfully for interior plastering purposes giving a very white velvet finish. The Quebec Bureau of Mines reports that in the last few years the Broughton Company has developed additional markets for its products. It is now used in the manufacture of fireless cookers, fireplaces, stoves, wood or coal burners and electrical heaters. Soapstone is easily carved and when polished takes a soft marble streaked appearance. Various objects such as tobacco jars, candlesticks, clock cases, and book holders made of carved and polished soapstone have lately been put on the market and have met with a gratifying reception.

The Canadian tale production in 1933, as for some years past, came chiefly from important deposits of foliated white tale located near Madoc, Untario; two companies operate mines and mills in this area and produce various grades of high quality tale. Preparation of the mineral for the market includes crushing, drying, grinding and bolting; the products from these mills are marketed in Canada, United States and Europe. Both companies were in continuous operation throughout 1933.

In British Columbia shipments of talc were made in 1933 from Anderson and Sooke Lakea; most of the production in this province is consumed in the manufacture of roofing materials. It is interesting to note that the Department of Mines, Ottawa, report the grinding in Vancouver, during the year under review, of a small tonnage of imported Manchurian talc.

Ground tale has many present day uses, being employed in the manufacture of lubricants, toilet preparations, glass, paper, textiles, foundry facings and many other products. It is used as a polishing agent for rice, peanuts and glass and as an insulating material and insecticide. Composition roofing is manufactured from lower grades and in the rubber industry it is employed to prevent compounds from adhering to the heated working parts of machinery. Certain massive tales free from cracks, grit or iron oxide are reported by the Bureau of Mines, Washington, D.C., to be employed in the manufacture of the so called "lava" products; the material which is easily

carved in its natural soft state is fashioned into innumerable electrical fittings such as bushings, etc. The articles are then heated rendering the product hard enough to out glass. Pencils, crayons and French chalk (tailors' chalk) are also fabricated from massive tale.

Principal Statistics of the Talc and Soapstone Industry in Canada, 1931, 1932 and 1933.

Principal Statistics of the Talc and Soa	pstone Industry i	n Canada, 19	31, 1932 a	nd 1933.
	1931	1932	19	33
Number of firms	5	5		6
Capital employed\$	618,590	703,532	680	,875
Number of employees - Un salary	7	8		10
On wages	63	75	difference o	
Total	70	83		93
Salaries and wages - Salaries	23,275	20,422		,096
Wages\$ Total\$	48,512 71,787	56,155		.449
Cost of fuel and electricity\$	19,128	76,577 17,930		,545 ,889
Salling value of products	157,083	159,038		,749
- Production of Production Section 198	20,,000	100,000		, 1 20
Capital Employed, by Classes, 1931, 1932	2 and 1933.			
		1931	1932	1933
		\$	\$	\$
Present value of lands, buildings, fixtu				
tools and other equipment		561,411	642,873	594,084
Inventory value of materials on hand, st				
fuel and miscellaneous supplies on hand		13,575	9,868	9,581
Inventory value of finished products on		4,050	9,653	7,428
Operating capital		39.554	41,138	69,782
TOTAL		618,590	703,532	680,875
Wage Earners, by Months, 1931, 1932 and	1933。			hall a little literatur sand literatur little ser-
Month	1931	1932	193	3
January	56	66	6	6
February	56	67		5
March	53	68	7	
April	54	67	4	
May	68	80	8	
June	70	79	8	7
July	71	79	8	2
August	72	80		4
September	65	85	9	
October	62	82	8	
November	67	82		3
December	62	75	8	0

Electricit	y Consumed,	1931, 193	2 and 1933.
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		1951		1932		1933
ilowatt hours	1,655,	827	978,926	1,	441,864	
Electric Motors Employed, 1931.	1932 and	1933。				
		1931		1932		1933
Number		17 620		18 585		24 793
Production (Sales) in Canada,		d Exports	of Talc	and Soaps	stone, 193	1, 1932
and the second s	193		193	2	19	3 3
	Quantity		Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
PRODUCTION Soapstone (Quebec)	0 0 0	34,439	0 0 0	46,751	000	43,593
Columbia)	33 070	100 011				
	11.836	122,644	12,103	112,287	15,181	143,156
TOTAL CANADA			12,103	112,287 159,038	15,181	143,156 186,749
TOTAL CANADA				112,287 159,038		
TOTAL CANADA				112,287 159,038		
IMPORTS				112,287 159,038		
TOTAL CANADA	151	157,083	0.0.0	159,038	226 1,700	186,749 17,396 23,604
TOTAL CANADA IMPORTS Talc or soapstone, ground or unground - From - United Kingdom	151 2,221	157,083	197	17,352 22,570 9,852	226 1,700 224	17,396 23,604 7,650
TOTAL CANADA IMPORTS Talc or soapstone, ground or unground - From - United Kingdom United States	151 2,221 298	11,162 29,788	197 1,409	17,352 22,570	226 1,700	186,749 17,396 23,604
TOTAL CANADA	151 2,221 298	11,162 29,788 8,502	197 1,409 294	17,352 22,570 9,852	226 1,700 224	17,396 23,604 7,650
TOTAL CANADA IMPORTS Talc or soapstone, ground or unground From - United Kingdom United States Other countries TOTAL IMPORTS	151 2,221 298 2,670	11,162 29,788 8,502 49,452	197 1,409 294 1,900	17,352 22,570 9,852	226 1,700 224 2,150	17,396 23,604 7,650
TOTAL CANADA IMPORTS Talc or soapstone, ground or unground - From - United Kingdom United States Uther countries TOTAL IMPORTS	151 2,221 298 2,670	11,162 29,788 8,502	197 1,409 294 1,900	17,352 22,570 9,852 49,774	226 1,700 224 2,150	17,396 23,604 7,650 48,650

Canadian prices for tale as quoted for April, 1934, by "Canadian Chemistry and Metallurgy" were. Tale, car loads, AALF grade, f.o.b. Madoc, ton, \$17.50; Tale, car loads, No. 1 grade, f.o.b. Madoc, ton, \$11.00; Tale, car loads, S. grade, f.o.b. Madoc, ton, \$8.00; Tale, imported, Italian, con, \$75.00.

83,765

7,806

85,790

10,724 116,950

7,852

TOTAL EXPORTS

United States talc prices as quoted May 21, 1934, by "Uil, Paint and Drug Reporter" were: Domestic, Eastern mines, bags, ton, \$16.00 to \$18.00; Western mines, bags, ton, \$18.00 to \$25.00; Imported, Canadian, car lots, bags, ton, \$23.00 to \$-; less carlots, bags, ton, \$28.50 to \$30.00; French, ex-dock, to arrive, bags, ton, \$23.00 to \$25.00; ex-warehouse, bags, ton, \$27.50 to \$30.00; high grade, bags, ton, \$45.00 to \$60.00; Italian, ex-dock, to arrive, bags, ton, \$70.00 to \$85.00; ex-warehouse, bags, ton, \$75.00 to \$90.00. Asbestine (fibrous talc) type 1, 96-98% through 325 mesh, car lots, f.o.b. sellers works, bags, ton, \$14.00 to \$-; type 2, 93-94% through 325 mesh, car lots, f.o.b. sellers works, bags, ton, \$13.00 to

Consumption of Talc in Specified Canadian Industries, 1931 and 1932.

		19.	3 1	1932		
Industry			Cost at		Cost at	
		Quantity	works	Quantity	works	
			\$		\$	
Foilet Preparations Industry Boaps, Cleaning Preparations and	1 b.	393,939	14,917	747,489	18,600	
Washing Compounds Industry	1b.	325,483	2,726	31.5,693	2,741	
Roofing Materials Industry	ton	(x)	1,129	12,922	
Pulp and Paper Industry	ton	(x)	21.3	3,761.	

⁽x) Data not available.

WURLD PRODUCTION OF TALC, 1930-1932

(Taken from the Imperial Institute's publication "The Mineral Industry of the British Empire and Foreign Countries, 1930-1932."

<u>(</u> I	ong tons)		
Producing Country	1930	1931	1932
BRITISH FMPIRE			
United Kingdom	185	160	258
Union of South Africa	349	210	248
	10,572	10,568	10,806
Canada (sales) (g)			
India	6,857	5,135	6,51.2
Australia	681	846	1,347
FOREIGN COUNTRIES			
Austria (estimated)	25 000	25 000	25 000
	25,000	25,000	25,000
Finland	2,803	3,000	(a)
France	84,500	(a)	(a)
Germany (Bavaria)	5,702	4,142	(a)
Greece	252	476	(a)
Italy	37,491	37,800	31,859
Norway	14,759	11,212	13,783
Roumania (d)	3,300	3,020	(a)
Spain (b)	3,621.	4,488	(a)
Sweden	5,036	5,351	(a)
Egypt	0 0 0	000	228
Morocco (French) (exports)	552	682	824
United States (sales) (c)	160,165	146,207	110,019
Uruguay (exports)	1,440	1,761	2,584
China	26,000	22,000	(a)
NUTE - 5 480 long tons of tale were red	honded as produced	in Rusgie during	hope anded

NUTE - 5,480 long tons of talc were recorded as produced in Russia during year ended September 1928 - later figures are not available.

(a) Information not available.

(b) In addition the following were quarried: 1,770 and 2,038 cubic yards in 1930 and 1931 respectively.

(c) Excluding steatite, figures of which are not available for publication.

(d) Converted from cubic metres at rate of 1 cu. metre = 2 long tons.

(g) Excluding soapstone, which is only recorded by value and was as follows:

1930	0	0	Q	٥	0	0	0	0	0	0	0	o	0	L	10,300
1.931	o	u	9	0	b	0	0	0	0	0	QI	٥	0	Li	8,600
1932	0	0	0	0	٥	0	0	0		0	a	0	0	T.	11,700

WORLD IMPORTS OF TALC, 1930 1932. (LESS RE-EXPORTS)

(Taken from the Imperial Institute's publication "The Mineral Industry of the British Empire and Foreign Countries, 1930 1932."

Long	tons)		
Importing Country and Description	1.930	1931	1932
BRITISH EMPIKE	All Michigan (Annual e religio digendos viluntes en finales relativismes e fin		
United Kingdom	14,848	13,558	14,824
Ganada	4,285	2,384	1,697
Australia	271	360	332
1.000.27.007.900 0.0000000000000000000000000000	212	000	00%
FOREIGN COUNTRIES			
Austria	164	100	88
Belgium Luxemburg E.U.	3,701	3,322	3,010
Czechoslovakia	2,416	2,137	2,138
Denmark	1,457	1,253	1,088
Estonia	115	28	120
Finland	1,248	917	1,226
France	6,638	4,771	3,640
Germany	21,350	20,364	17,760
Latvia	70	42	87
Lithuania	38	33	28
Poland	2,220	1,653	1,628
Roumania	364	324	221
Yugoslavia	695	638	524
Algeria	194	75	(a)
Egypt	1,614	1,387	1,661
Tunis	529	522	660
Mexico	336	191	(a)
Panama	33	23	(a)
United States (including manufactures)	22,511	21,025	17,837
Argentina	1,254	2,059	1,481
Chile	136	128	000
Colombia	127	(a)	(a)
Feru	61	80	67
Venezuela	15	23	20
Formosa	24	11	(a)
French Indo China	13	8	28
Japan (total imports)	36,485	40,750	34,921
Syria and Lebanon	23	38	37
Turkey	18	13	24

LIST OF FIRMS IN THE CANADIAN TALC AND SUAPSTONE INDUSTRY, 1933.

Name	Head Office Address	Location of Plant
QUEBEC .		
Broughton Soapstope and Quarry	Broughton Station	Beauce Co.
UNTARIO -		
Canada Talc Ltd.	Madoc	Hastings Co.
Gillespie, Geo. H.	Madoc	Madoc
Henderson Mines Ltd.	Madoc	Hastings Co.
BRITISH COLUMBIA		
B. C. Refractories Ltd. Kennedy, J. J.	Scoke Loke	Anderson Lake

