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through a three compartment shaft.

In Manitoba crude gypsum produced at Gypsumville by Gypsum, Lime and Alabastine, Canada, Ltd., and at Amaranth by Western Gypsum Products Ltd. was shipped to plants in Winnipeg for the manufacture of gypsum products, the market for these extends from Fort Arthur to British Columbia

Production at the Falkland deposits in the Kamloops mining division of British Columbia was continuous throughout the year. Gypsum from this property goes to New Westminster (Port Mann) for manufacture into various products. Gypsite was produced from deposits situated in the Kelly Lake area, Central District No. 3.

A new gypsum insulating material consisting of the mineral in the form of a specially calcined powder is reported to be meeting with considerable success in Canadian building construction. Mixed with water, the powder evolves a gas that causes the mass to swell; in this form the material is poured. On hardening a cellular, pumice-like solid results that is an excellent insulator. Used as a filling for walls, roofs, and floors this wet poured gypsum product is stated to render the structures fire-safe, insulated and partly soundproof and in addition eliminates rodents and vermin.

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF GYPSUM, 1931.

	Quantity	Value
	Tons	\$
<u>SHIPMENTS BY GRADES:-</u>		
Crude (1) - Lump or mine run	47,147	103,396
Crushed	693,764	791,910
Fine ground	4,418	21,392
Calcined gypsum (2)	118,423	1,194,819
TOTAL	863,752	2,111,517
<u>SHIPMENTS BY PROVINCES:-</u>		
Nova Scotia	707,817	878,487
New Brunswick	58,957	451,264
Ontario	53,358	374,463
Manitoba	23,076	231,124
British Columbia	20,544	176,173
TOTAL	863,752	2,111,517
TOTAL GYPSUM MINED AND QUARRIED	882,880 tons	
TOTAL GYPSUM CALCINED	167,335 tons	
<u>IMPORTS:-</u>		
Gypsum, crude (sulphate of lime)	484	13,491
Plaster of Paris or gypsum ground, not calcined	158	4,476
Plaster of Paris or gypsum calcined, and prepared wall plaster	11,050	120,516
TOTAL	11,692	138,483
<u>EXPORTS:-</u>		
Gypsum or plaster, crude	618,765	741,376
Plaster of Paris, ground, and prepared wall plaster	3,085	50,774
TOTAL	621,850	792,150

(1) Shipments of crude gypsum include anhydrite produced in Nova Scotia.
(2) Does not include gypsum calcined in the manufacturing plants at Montreal and Calgary.

PRINCIPAL STATISTICS OF THE GYPSUM MINING INDUSTRY IN CANADA, 1930 and 1931.

	1930	1931
Number of firms	14	15
Capital employed	\$ 8,796,865	\$ 7,941,082
Number of employees:- On salary	69	64
On wages	753	612
Total	822	676
Salaries and wages:- Salaries	\$ 152,158	\$ 131,887
Wages	\$ 629,481	\$ 524,703
Total	\$ 781,639	\$ 656,590
Cost of fuel and electricity	\$ 201,409	\$ 188,524
Selling value of products	\$ 2,818,788	\$ 2,111,517

WORLD PRODUCTION OF GYPSUM, 1929 and 1930.

(Supplied by Imperial Institute)

(Long tons)

	1929	1930
<u>BRITISH EMPIRE</u>		
United Kingdom	967,491	838,208
Canada	1,081,865	982,186
Union of South Africa	16,973	16,828
Cyprus (exports)	12,556	10,287
Palestine	1,475	1,635
India	52,726	56,316
Australia	124,515	60,000
Total	2,260,000	1,970,000
<u>FOREIGN COUNTRIES</u>		
Austria (d)	42,000	(a)
Estonia	9,855	1,932
France	(a)	(a)
Germany (Bavaria)	59,241	41,114
Prussia (alabaster)	396	287
Italy (including alabaster)	658,678	674,703
Jugoslavia (Serbia only)	1,585	1,440
Latvia (exports)	26,629	36,077
Luxemburg	7,092	10,451
Roumania (b)	75,414	50,442
Russia (years ended Sept. 30)	(a)	(a)
Spain (b)	960,250	(a)
Sweden	120	(a)
Algeria (including alabaster)	101,394	164,100
United States	4,478,680	3,099,458
Tunis	19,231	(a)
Argentina	36,051	48,677
Chile	15,190	(a)
Peru	19,830	(a)
China	(c) 50,000	(c) 50,000
Japan	(a)	(a)
Cuba	25,000
Egypt (estimated)	130,000	130,000
New Caledonia	(a)	(a)
Total	(a)	(a)
GRAND TOTAL	(a)	(a)

(a) Data not available. (b) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons. (c) Estimated. (d) Estimated by Bundesministerium für Handel und Verkehr. Complete world production data for 1931 not yet available.



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The statistics as thus given cover the primary production of gypsum which includes data for gypsum quarries and for calcining and plaster works when operated in connection with the quarries. In addition there are the secondary or manufacturing plants which include the works making wallboard, blocks, tile, etc.; some of these works purchase crude gypsum from the primary producers and calcine it before using it to manufacture the gypsum products. In 1931 there were 7 manufacturing plants as follows: a plant at Montreal, P.Q., brought crude gypsum from Nova Scotia, calcined it and produced gypsum wallboard and wall plasters. At Caledonia, Ontario, another manufacturing works purchased calcined gypsum and made gypsum blocks, wallboard, tile, accoustical plasters and insulex. Gypsum wall plasters were manufactured during the latter part of the year in a new plant recently erected at Hagersville, Ontario, by the Canadian Gypsum Company Ltd. At Winnipeg, 2 plants utilized calcined gypsum obtained from the primary producers in that province in the manufacture of wallboard and tile; Keene's cement, a hard finish plaster, also was made in one of these works. At Calgary, Alberta, gypsum wallplasters and tile were manufactured from crude rock obtained from the quarries in British Columbia and Manitoba. And at Port Mann, B.C., a plant using calcined gypsum obtained from the Falkland quarries, produced gypsum blocks, wallboard, tile and dry insulex.

These 7 establishments employed a capital of \$2,122,648 and provided employment for an average of 231 employees whose earnings totalled \$256,178. The value of products made during the year was reported at \$1,621,382.