44-208

Published by Authority of Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce

Annual Bulletin
37-4-8-31
600 copies

DOMINION BUREAU OF STATISTICS - CANADA
Dominion Statistician: R. H. Coats, B.A., F.S.S.(Hon.), F.R.S.C.
Mining, Metallurgical and Chemical Branch
Chief: W. H. Losee, B.Sc.

GYPSUM, 1930.

The Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa reports that the production of gypsum from Canadian deposits during 1930 amounted to 1,070,968 tons valued at $2,818,788 as against 1,211,689 tons worth $3,345,696 in 1929. Gypsum quarried during the year totalled 1,100,048 tons of which quantity 168,967 tons or 15.3 per cent was calcined in Canada.

Gypsum in various forms occurs in 13 counties of Nova Scotia and the great majority of these deposits are close to either rail or ocean transportation; in 1930 the mineral was produced in Canada from quarries in Hants, Inverness and Victoria counties, Nova Scotia; Albert and Victoria counties, New Brunswick; near Paris, Ontario; Gypsumville, Manitoba; and in the Kamloops and Clinton divisions of British Columbia.

Approximately 78 per cent of the Nova Scotia production was shipped as crude gypsum to the United States during 1930; anhydrite shipments were made to Virginia where the mineral is used as a fertilizer and moisture retainer in the peanut growing districts. At Iona, gypsum is calcined and marketed as, finished, hard, neat and dental plasters, throughout the Maritime provinces, Quebec and Ontario; a considerable tonnage has been shipped direct to New Zealand; hard wall and selenite plasters are manufactured in Windsor from gypsum quarried at local and Clarksville deposits.

In New Brunswick hard wall and finishing plasters, together with allied gypsum products, are produced from a very high quality gypsum mined at Hillsborough. Small shipments of land plaster were made from a quarry at Plaster Rock, N.B.

Ontario's output of crude and calcined gypsum was produced at Caledonia and Lythmore.

In Manitoba crude gypsum obtained from deposits near Gypsumville was shipped to Winnipeg for processing.

Production from the Falkland deposit in British Columbia was shipped to the Port Mann gypsum products plant; other shipments from this deposit were made to Alberta, New Zealand and Asiatic ports. Gypsite was produced from deposits in the Clinton mining division.

Exports of crude gypsum during 1930 amounted to 719,381 tons valued at $871,567; this tonnage went entirely to the United States. Plaster of Paris, ground and prepared wall plaster exported during the year totalled 7,282 tons and consisted of shipments chiefly to New Zealand and the United States.

Capital employed by the 14 firms operating in the gypsum mining industries in 1930 was reported at $8,796,865. Employment was furnished 69 salaried employees and 753 wage-earners; their combined earnings were $781,639.

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF GYPSUM, 1930.

	Quantity tons	Value $
SHIPMENTS BY GRADES -		
Crude (1) - Lump or mine run	56,628	116,401
Crushed	845,210	973,623
Fine ground	8,160	38,894
Calcined gypsum (2)	160,970	1,689,870
TOTAL	1,070,968	2,818,788
SHIPMENTS BY PROVINCES -		
Nova Scotia	827,063	982,287
New Brunswick	82,674	513,677
Ontario	94,946	776,069
Manitoba	34,157	298,297
British Columbia	32,128	248,458
TOTAL	1,070,968	2,818,788
IMPORTS -		
Gypsum, crude (sulphate of lime)	898	25,882
Plaster of Paris or gypsum ground, not calcined	219	5,352
Plaster of Paris or gypsum calcined, and prepared wall plaster	16,608	190,832
TOTAL	17,725	222,066
EXPORTS -		
Gypsum or plaster, crude	719,381	871,567
Plaster of Paris, ground, and prepared wall plaster	7,282	119,092
TOTAL	726,663	990,659

(1) Shipments of crude gypsum include some 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, 1929 and 1930.

	1929	1930
Number of firms	17	14
Capital employed $	7,438,605	8,796,865
Number of employees:- On salary	71	69
On wages	916	753
Total	987	822
Salaries and wages:- Salaries $	175,256	152,158
Wages $	878,957	629,481
Total $	1,054,213	781,639
Cost of fuel and electricity $	281,019	201,409
Selling value of products $	3,345,696	2,818,788

The statistics given above 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 1930 there were 6 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, accoutiscal plasters and insulex. 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 6 establishments employed a capital of $5,315,137 and provided employment for an average of 337 employees whose earnings totalled $422,083. The value of products made during the year was reported at $2,001,710.