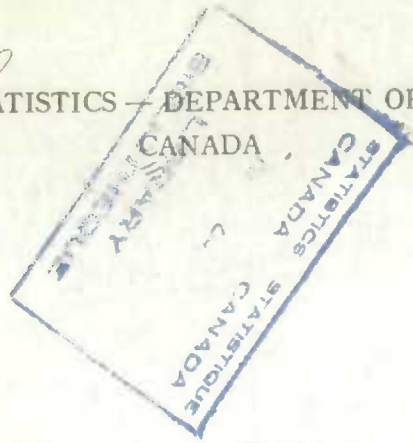


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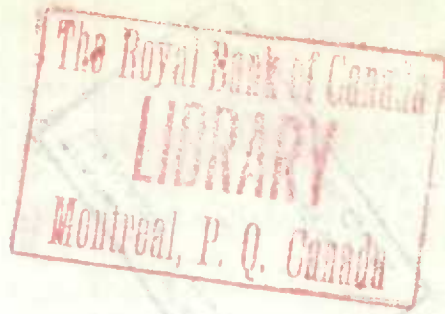
THE GYPSUM INDUSTRY

1951

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The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada — mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

The following reports constitute the complete volume on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A General Review of the Mining Industry, 25¢
- B The Gold Mining Industry, 50¢.
- C The Silver-Lead-Zinc Mining Industry, 30¢.
- D The Nickel-Copper Mining, Smelting and Refining Industry, 25¢.
- E The Miscellaneous Metal Mining Industry, 30¢.
- F The Non-ferrous Smelting and Refining Industry, 25¢.
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- U Contract Diamond Drilling in the Mining Industry, 25¢.

(16 Sept 52)

THE GYPSUM INDUSTRY

1951

Part I - Primary Production: The Gypsum Mining Industry, 1951

Shipments of crude gypsum from the 13 quarries or mines which operated in 1951, amounted to 3,802,692 tons valued at \$5,880,853, including 3,190,030 tons from properties in Nova Scotia, 262,581 tons from Ontario, 134,704 tons from Manitoba, 109,469 tons from New Brunswick and 105,908 tons from British Columbia.

In 1951 the gypsum mining industry employed 1,018 persons, to whom \$2,648,803 were distributed in salaries and wages. The cost of fuel was \$304,359, and the value of process supplies and containers was \$1,704,669. Purchased electricity totalled 12,190,138 k.w.h. at a cost of \$151,556. In addition, 1,062,200 k.w.h. of electricity were generated for their own use by the firms in the industry.

Some of the Canadian gypsum mining companies restrict their operations to the production and sale

of crude gypsum or anhydrite, while others, in addition to marketing various grades of crude gypsum, produce calcine for sale or for consumption in their own manufacturing plants in making wall-board, wall plaster, etc. Usually the calcining units are associated with the manufacturing operations.

Production data for the gypsum mining industry in 1951 are not quite comparable with those for previous years. Formerly the calcining of gypsum was considered to be part of the primary industry, now it is included with the secondary operations or in the gypsum products industry. This change in procedure credits the mining section of the industry with a slightly greater tonnage, but a lower valuation than by the former method.

TABLE 1. Principal Statistics for the Gypsum Mining Industry, 1942-1951

Year	Number of firms	Number of mines or quarries	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies and containers	Gross selling value of products, f.o.b. shipping points (including containers)	Net ¹ production
				\$	\$	\$	\$	\$
1942	7	13	510	657,620	178,682	65,457	1,254,182	1,010,043
1943	6	12	438	617,780	201,980	46,063	1,381,468	1,133,425
1944	8	12	328	490,872	148,743	239,198	1,511,978	1,124,037
1945	7	12	434	647,287	184,619	391,026	1,783,290	1,207,645
1946	8	14	753	1,246,673	260,479	546,092	3,696,727	2,890,156
1947	8	13	908	1,695,711	364,115	686,206	4,782,429	3,732,108
1948	9	14	995	2,272,358	481,392	1,390,476	5,642,881	3,771,013
1949	9	14	925	2,226,703	411,417	1,070,457	5,425,045	3,943,171
1950	8	13	1,004	2,412,698	497,889	1,277,538	6,710,564	4,935,137
1951	8	13	1,018	2,648,803	455,915	1,704,669	5,881,546	3,720,962

1. Gross production less cost of process supplies, etc., fuel and electricity.

TABLE 2. Producers' Shipments of Gypsum, 1951

	Tons	Value, f.o.b. shipping points
		\$
Crude:		
Lump or mine run	83,398	152,563
Crushed ¹	3,669,142	5,413,547
Fine ground	50,152	304,743
Total	3,802,692	5,880,853
Total crude gypsum mined and quarried¹	3,928,377	—
Crude gypsum calcined in firms' own mills in Canada	537,153	—
Value of containers	—	693

1. Includes some anhydrite quarried in Nova Scotia.

TABLE 3. Producers' Shipments of Gypsum, by Provinces, 1950 and 1951

Province	1950		1951	
	Tons	Value f.o.b. shipping points	Tons	Value f.o.b. shipping points
		\$		\$
Nova Scotia	3, 185, 199	3, 802, 786	3, 190, 030	4, 107, 832
New Brunswick	82, 641	371, 885	109, 469	328, 407
Ontario	199, 314	875, 217	262, 581	672, 276
Manitoba	114, 555	1, 037, 510	134, 704	509, 276
British Columbia	84, 627	620, 108	105, 908	263, 072
Total	3, 666, 336	6, 707, 506	3, 802, 692	5, 880, 853

Note. Figures for 1951 are not directly comparable with those for prior years. See text for change in method of compilation.

TABLE 4. Producers' Shipments of Gypsum, 1942-1951

Year	Tons	Value f.o.b. shipping points	Year	Tons	Value f.o.b. shipping points
		\$			\$
1942	566, 166	1, 254, 182	1947	2, 496, 984	4, 734, 853
1943	466, 848	1, 381, 468	1948	3, 216, 809	5, 548, 245
1944	596, 164	1, 511, 978	1949	3, 014, 249	5, 423, 690
1945	839, 781	1, 783, 290	1950	3, 666, 336	6, 707, 506
1946	1, 810, 937	3, 671, 503	1951	3, 802, 692	5, 880, 853

TABLE 5. Producers' Shipments of Gypsum, by Months, 1949-1951

Month	1949	1950	1951	Month	1949	1950	1951
	Tons				Tons		
January	152, 998	157, 359	198, 272	August	356, 182	449, 646	492, 038
February	128, 567	141, 510	183, 334	September	380, 463	438, 878	479, 746
March	107, 273	137, 326	184, 077	October	387, 993	470, 778	449, 104
April	164, 934	200, 839	227, 392	November	250, 200	412, 529	313, 919
May	269, 187	275, 521	270, 554	December	173, 836	213, 167	188, 096
June	272, 483	357, 026	349, 224				
July	370, 133	411, 757	466, 936	Total	3, 014, 249	3, 666, 336	3, 802, 692

TABLE 6. Imports and Exports of Gypsum, 1950 and 1951

	1950		1951	
	Tons	Value	Tons	Value
Imports:		\$		\$
Gypsum, crude, and gypsum ground, not calcined.....	848	24,346	1,700	24,347
Plaster of Paris and wall plaster	22,439	414,246	15,678	330,036
Total	—	438,592	—	354,383
Exports:				
Gypsum, crude	2,969,974	3,061,442	3,028,336	3,128,263
Plaster of Paris, wall plaster	102	3,186	170	5,578
Total	—	3,064,628	—	3,133,841

TABLE 7. Consumption of Gypsum in the Portland Cement Industry, 1942-1951

Year	Tons	Year	Tons
1942	49,816	1947.....	81,946
1943	47,034	1948.....	119,821
1944	42,672	1949.....	137,785
1945	45,883	1950.....	137,170
1946	65,431	1951.....	146,603

TABLE 8. Consumption of Gypsum in the Gypsum Products Industry, 1942-1951

Year	Crude	Calcined	Year	Crude	Calcined
	(tons)			(tons)	
1942	20,742	149,885	1947	52,183	298,950
1943	17,489	162,273	1948	61,991	362,555
1944	26,683	165,750	1949	96,447	366,077
1945	10,147	194,351	1950	113,100	406,031
1946	46,617	253,617	1951	98,329	429,732

TABLE 9. Employees and their Earnings, by Provinces, 1950 and 1951

Province	Average number of employees					Earnings		
	Administrative and office		Workmen		Total	Administrative and office	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1950								
Nova Scotia	31	7	584	4	626	125,682	1,336,234	1,461,916
Other provinces	14	1	363	—	378	42,761	908,021	950,782
Canada	45	8	947	4	1,004	168,443	2,244,255	2,412,698
1951								
Nova Scotia	32	7	616	2	657	130,324	1,518,420	1,648,744
Other provinces	17	4	340	—	361	67,156	932,903	1,000,059
Canada	49	11	956	2	1,018	197,480	2,451,323	2,648,803

TABLE 10. Number of Workmen on Payroll on the Last Day of Each Month, 1950 and 1951

Month	1950						1951					
	Mine			Mill		Total	Mine			Mill		Total
	Surface		Underground	Male	Female		Surface		Underground	Male	Female	
	Male	Female				Male	Female					
January	361	2	162	225	2	752	439	1	198	201	1	840
February	341	2	161	220	2	726	419	1	197	192	1	810
March	382	2	161	222	2	769	449	1	198	193	1	842
April	430	2	160	223	2	817	498	1	199	207	1	906
May	538	2	162	350	2	1,054	569	1	201	293	1	1,065
June	548	2	159	369	2	1,080	585	1	208	288	1	1,083
July	536	2	160	373	2	1,073	562	1	205	308	1	1,077
August	536	2	166	359	2	1,065	547	1	207	311	1	1,067
September	567	2	170	355	2	1,096	548	1	201	292	1	1,043
October	570	2	168	353	2	1,095	571	1	208	300	1	1,081
November	509	2	167	282	2	962	508	1	208	209	1	927
December	489	2	167	261	2	921	402	1	200	116	1	720
Average	484	2	164	299	2	951	511	1	202	243	1	958

Table 11. World Production of Gypsum, by Countries, 1947-1950

(From a report published by the United States Bureau of Mines)

Country ¹	1947	1948	1949	1950
	(metric tons)			
Algeria	38,345	33,258	31,881	46,097
Anglo-Egyptian Sudan	350	3,045	1,496	2
Argentina ²	2	2	2	2
Australia	217,639	280,853	291,854	204,581 ⁴
Austria	15,096	26,376	2	2
Belgian Congo	—	—	—	7,190
Brazil	2	2	50,857	2
Bulgaria ⁵	5,000	5,000	2	2
Canada	2,362,365	3,164,211	2,854,999	3,256,398
Ceylon	69	170	37	2
Chile	100,800	35,056	60,303	2
China	50,000	55,000 ⁵	2	2
Colombia	17,372	4,200	2,760 ⁵	1,930
Cuba ⁵	14,900	16,500	13,880	15,500
Cyprus (exports).....	7,844	19,500	25,788	65,485
Dominican Republic.....	13,393	7,304	18,157	2
Ecuador	—	410	486	441 ⁵
Egypt	72,337	95,243	2	2
Finland	2	1,711	2	2
France	2,229,940	2,254,181	2	2,100,000
French Morocco.....	17,285	30,136	15,425	2
Germany-Federal Republic	150,700 ⁶	316,600 ⁶	515,300 ⁶	344,000 ^{5,6}
Greece	850	2	2	2
India	51,381	107,445	142,190	2
Ireland	36,415	62,693	2	2
Israel-Jordan	2	2	2	2
Italy	298,224	2	2	2
Jamaica	—	7,112	2	2
Japan	61,555	113,754	117,123	114,505
Kenya	659	1,016	181	610
New Caledonia	2,705	779	17,119	15,200
Pakistan.....	16,121	6,361	15,645	19,000 ⁵
Peru	41,330	46,716	37,419	2
Philippines	—	818	2,710	2,883
Poland	14,917	14,183	26,361	2
Portugal	33,868	42,842	43,060	2
Spain	1,337,662	1,423,728 ⁷	1,293,552	2,251,831
Sweden	—	—	—	2
Switzerland	165,000	165,000 ⁵	80,000 ⁵	80,000 ⁵
Syria	4,500	1,000 ⁵	1,400	2,000
Thailand.....	71	200	154	2
Tunisia.....	17,650	19,130	22,066	2
Union of South Africa (sales).....	80,166	78,625	88,232	103,707
United Kingdom:				
Great Britain	1,773,733	1,175,570	2	2
North Ireland	—	—	—	2
United States.....	5,631,969	6,581,169	5,994,752	7,432,186
Venezuela ⁸	3,451	2,406	3,042	2,050
Total (estimates)¹.....	16,400,000	18,300,000	17,700,000	20,700,000

1. In addition to the countries listed, gypsum is produced in Angola, Ethiopia, Iraq, Luxembourg, Mexico, Romania, U.S.S.R. and Yugoslavia, but production data are not available. Estimates for these countries are included in the total.

2. Data are not available; estimate included in total.

3. Rail and river shipments.

4. Excluding New South Wales.

5. Estimates.

6. Crude production estimates based on the following calcined figures: 1946—136,500 tons; 1947—125,600 tons; 1948—263,822 tons; 1949—429,400 tons; 1950—286,592 tons.

7. Includes Spanish Morocco production: 1946—1,219 tons; 1948—1,829 tons.

8. Production in government quarries only.

List of Firms in the Gypsum Mining Industry, 1951

Name of firm	Head office address	Plant location
Nova Scotia:		
Canadian Gypsum Co. Ltd.	Box 10, Windsor, N.S.	Wentworth
National Gypsum (Canada) Ltd.	325 Delaware Ave., Buffalo, New York, U.S.A.	Walton, Dingwall
Victoria Gypsum Co. Ltd.	Little Narrows, Cape Breton, N.S.	Little Narrows
Windsor Plaster Co. Ltd.	Windsor	McKay Section, Hants Co.
New Brunswick:		
Canadian Gypsum Co. Ltd.	Box 10, Windsor, N.S.	Hillsborough
Ontario:		
Canadian Gypsum Co. Ltd.	Box 10, Windsor, N.S.	Hagersville
Gypsum, Lime & Alabastine, Canada, Ltd.	Paris	Caledonia
Manitoba:		
Gypsum, Lime & Alabastine, Canada, Ltd.	Paris, Ontario	Gypsumville
Western Gypsum Products Ltd.	503 Childs Bldg., Winnipeg	Amaranth
British Columbia:		
Allan Howard	Fort Steele	Mayook
Columbia Gypsum Products Inc.	425 Symons Bldg., Spokane, Washington, U.S.A.	Windmere
Gypsum, Lime & Alabastine, Canada, Ltd.	Paris, Ontario	Falkland
Western Gypsum Products Ltd.	McArthur Bldg., Winnipeg, Manitoba	Mayook

Part II. Secondary Production: The Gypsum Products Industry, 1951

Ten Canadian factories, operated by 4 companies, manufactured gypsum products having a factory selling value of \$18,886,007, during 1951. This output was 5.6 per cent over the 1950 total of \$17,879,508. The main products were gypsum wall-board, gypsum hardwall plaster, gypsum lath, gypsum tile and gypsum blocks.

The number of employees in these works in 1951 was 1,138, who were paid \$3,304,295 in salaries and wages. Expenditures for fuel and electricity amounted to \$845,020, and materials used in manufacturing processes cost \$8,463,839, a total of \$9,308,859 for materials, fuel and electricity.

TABLE 12. Principal Statistics of the Gypsum Products Industry, 1942-1951

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works	Net ² production
			\$	\$	\$	\$	\$
1942	9	412	554,665	217,007	2,251,434	4,829,962	2,361,521
1943	9	436	632,212	307,748	2,707,124	5,417,045	2,402,173
1944	9	569	856,261	297,606	2,659,683	5,077,477	2,120,188
1945	9	603	937,369	289,914	2,843,004	5,716,114	2,583,196
1946	9	905	1,298,693	412,031	4,076,812	8,755,090	4,266,247
1947	10	905	1,588,298	496,638	5,503,676	11,026,829	5,026,515
1948	10	951	1,976,533	644,094	7,055,419	14,186,714	6,487,201
1949	10	1,160 ¹	2,726,218 ¹	751,887	7,351,280	15,699,763	7,596,596
1950	10	1,158 ¹	2,824,882 ¹	673,083	7,974,202	17,879,508	9,232,223
1951	10	1,138 ¹	3,304,295 ¹	845,020	8,463,839	18,886,007	9,577,148

1. See footnote to Table 13.

2. Gross production less cost of materials, fuel and electricity.

Note: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 13. Employees and their Earnings, 1950 and 1951

	1950	1951
Employees:		
Office and supervisory:		
Male	No. 208	203
Female	No. 76	83
Workmen:		
Male	No. 842	828
Female	No. 32	24
Total employees	No. 1,158 ¹	1,138 ¹
Earnings:		
Office and supervisory	\$ 945,085	1,016,178
Workmen	\$ 1,879,797	2,288,117
Total earnings	\$ 2,824,882 ¹	3,304,295 ¹

1. Data relating to office and supervisory employees and their earnings include employees in head offices not located at plant.

TABLE 14. Output of the Gypsum Products Industry, 1950 and 1951

Product	1950		1951	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Gypsum wallboard sq. ft.	230,684,144	7,578,826	232,312,775	7,876,750
Gypsum lath sq. ft.	214,714,308	5,855,077	228,645,066	6,553,202
Gypsum hard wall plasters tons	164,320	2,734,573	164,773	2,721,026
Other gypsum plasters tons	30,441	844,897	37,582	725,511
All other products ¹	—	866,135	—	1,009,518
Total	—	17,879,508	—	18,886,007

1. Includes gypsum tile and blocks, etc.

TABLE 15. Production of Gypsum Wallboard and Gypsum Lath, 1946-1951

Year	Gypsum wallboard		Gypsum lath	
	Square feet	\$	Square feet	\$
1946	203,361,505	5,502,593	74,984,596	1,897,745
1947	213,701,430	6,210,912	111,092,387	2,282,892
1948	237,700,167	7,213,425	153,008,355	3,667,540
1949	230,561,517	7,330,859	173,994,976	4,409,562
1950	230,684,144	7,578,826	214,714,308	5,855,077
1951	232,312,775	7,876,750	228,645,066	6,553,202

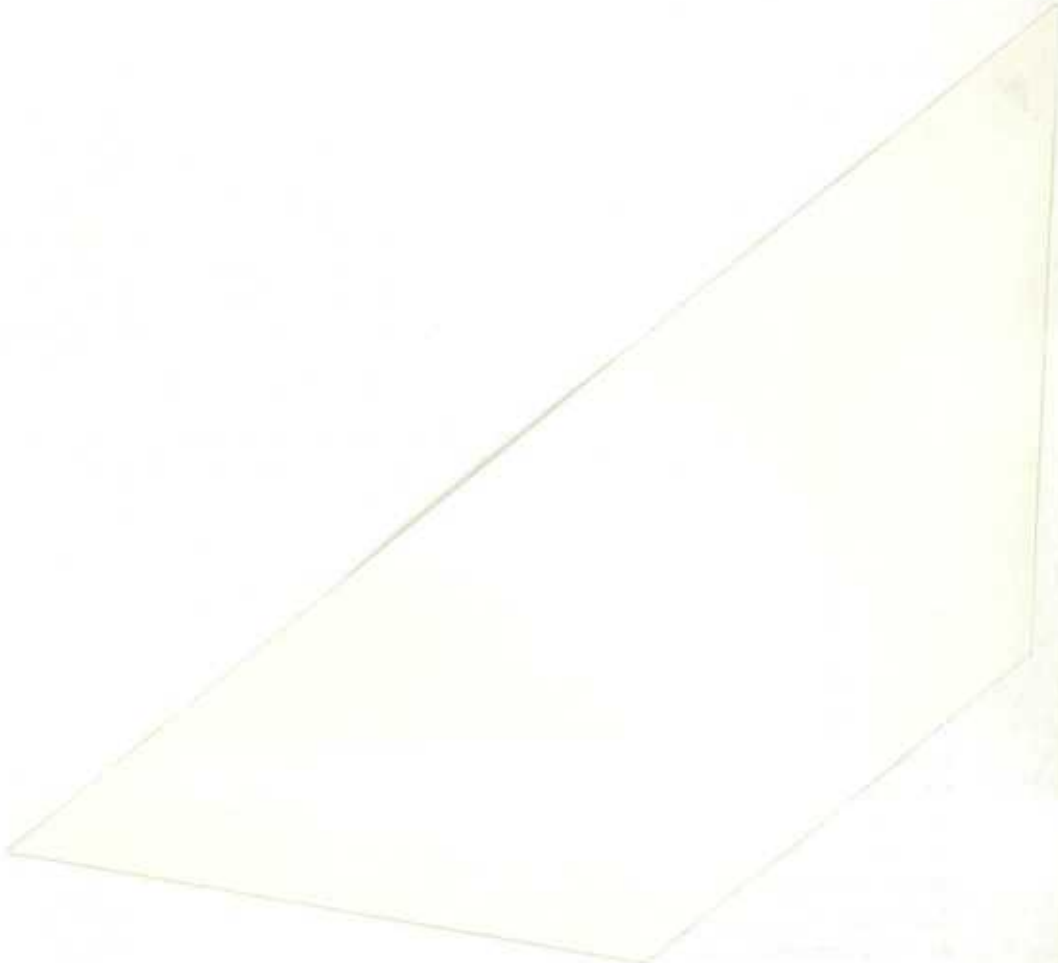
TABLE 16. Materials Used in the Gypsum Products Industry, 1950 and 1951

Material	1950		1951	
	Quantity	Cost at works	Quantity	Cost at works
	tons	\$	tons	\$
Gypsum, crude	113,100	655,539	610,477	2,227,847
Gypsum, calcined (plaster of Paris)	406,031	2,253,856	21,231	290,800
Paper	36,699	3,537,938	38,513	4,238,123
Starch or paste	1,436	240,482	1,548	268,250
Hair	71	28,533	80	26,388
Retarder	687	84,279	739	96,612
Sawdust and shavings	—	8,015	—	5,996
Containers, etc.	—	502,216	—	567,168
All other materials	—	663,344	—	742,655
Total	—	7,974,202	—	8,463,839

Note: See text on page 3 for change in method of compilation.

List of Firms in the Gypsum Products Industry, 1951

Name of firm	Head office address	Plant location
Windsor Plaster Co. Ltd.	Windsor, Nova Scotia	Windsor, Nova Scotia
Canadian Gypsum Co. Ltd.	170 Bloor St. W., Toronto, Ontario	Hillsborough, New Brunswick Hagersville, Ontario
Gypsum, Lime and Alabastine, Canada, Limited	Paris, Ontario	Montreal, Quebec Caledonia, Ontario Winnipeg, Manitoba Calgary, Alberta New Westminster, British Columbia
Western Gypsum Products Ltd.	503 Childs Bldg., Winnipeg, Manitoba	Winnipeg, Manitoba Calgary, Alberta



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