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THE GYPSUM INDUSTRY  
1958



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# THE GYPSUM INDUSTRY

1958

## Part I—Primary Production: The Gypsum Mining Industry, 1958

Canadian gypsum producers shipped 3,964,129 tons valued at \$5,189,159 in 1958 compared with 4,577,492 tons worth \$7,745,105 in the preceding year. A large portion of the gypsum shipments are interplant transactions, thus are assigned nominal values.

Shipments from Nova Scotian mines and quarries declined to 3,149,719 tons from 3,842,027 tons in 1957. Shipments were higher in Newfoundland, New Brunswick, Ontario and British Columbia but were down slightly in Manitoba.

The gypsum mining industry employed 627 persons to whom \$2,300,288 were paid as salaries and wages. Fuel and electricity cost \$424,164 which included 16,505,100 kwh. of purchased electricity valued at \$204,509. Process supplies cost \$841,785.

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 wallboard, wall plaster, etc. Usually the calcining units are associated with the manufacturing operations.

Production data for the gypsum mining industry since 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, Significant Years, 1921-58

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 production <sup>1</sup>
						dollars		
1921.....	11	11	700	774,551	140,430	428,905	...	1,785,538
1929.....	17	22	987	1,054,213	281,019	...	...	3,345,696
1931.....	15	19	676	656,590	188,524	...	...	2,111,517
1933.....	10	10	415	263,279	91,518	...	...	675,822
1937.....	8	13	602	595,396	156,115	106,962	1,540,483	1,277,406
1939.....	10	17	714	692,158	193,488	105,831	1,935,127	1,635,808
1941.....	8	15	648	745,008	222,564	229,444	2,248,428	1,796,420
1944.....	8	12	328	490,872	148,743	239,198	1,511,978	1,124,037
1946.....	8	14	753	1,246,673	260,479	546,092	3,696,727	2,890,156
1949.....	9	14	925	2,226,703	411,417	1,070,457	5,425,045	3,943,171
1951.....	8	13	1,018	2,648,803	455,915	1,704,669	5,881,546	3,720,962
1953.....	9	14	954	2,891,848	371,362	1,687,846	7,399,884	5,340,676
1954.....	9	14	932	2,929,829	355,302	1,811,188	7,095,779	4,929,289
1955.....	8	14	944	2,874,198	414,297	1,776,138	8,037,153	5,846,718
1956.....	9	15	1,030	3,317,673	454,428	1,903,098	7,260,236	4,902,710
1957.....	8	13	816	2,653,320	468,366	1,440,177	7,745,105	5,836,562
1958.....	7	13	627	2,300,288	424,164	841,785	5,189,159	3,923,210

<sup>1</sup> Gross production less cost of process supplies, etc., fuel and electricity.  
... Not applicable.



TABLE 2. Producers' Shipments of Gypsum, by Provinces, 1957 and 1958

Province	1957		1958	
	Tons	Value f.o.b. shipping point	Tons	Value f.o.b. shipping point
		\$		\$
Newfoundland.....	29,465	121,800	36,307	144,510
Nova Scotia.....	3,842,027	6,005,640	3,149,719	3,259,423
New Brunswick.....	93,249	163,146	105,749	170,876
Ontario.....	379,621	853,199	425,733	1,059,590
Manitoba.....	183,708	458,368	176,123	343,266
British Columbia.....	49,422	142,952	70,498	211,494
<b>Total</b> .....	<b>4,577,492</b>	<b>7,745,105</b>	<b>3,964,129</b>	<b>5,189,159</b>
<b>Total crude gypsum and anhydride mined and quarried</b>	<b>4,706,524</b>	...	<b>3,976,714</b>	...
<b>Crude gypsum calcined in firms' own-mills in Canada</b>	<b>464,312</b>	...	<b>517,355</b>	...

... Not applicable.

TABLE 3. Producers' Shipments of Gypsum, 1949-58

Year	Tons	Value f.o.b. shipping point	Year	Tons	Value f.o.b. shipping point
		\$			\$
1949.....	3,014,249	5,423,690	1954.....	3,950,422	7,094,671
1950.....	3,666,336	6,707,506	1955.....	4,667,901	8,037,153
1951.....	3,802,692	5,880,853	1956.....	4,895,811	7,260,236
1952.....	3,590,783	6,538,074	1957.....	4,577,492	7,745,105
1953.....	3,841,457	7,399,884	1958.....	3,964,129	5,189,159

Note: Figures for 1951-58 are not exactly comparable with those for prior years. See text for change in method of compilation.

TABLE 4. Producers' Shipments of Gypsum, by Months, 1956-58

Month	1956	1957	1958	Month	1956	1957	1958
		tons				tons	
January.....	307,754	306,350	260,158	August.....	437,946	586,469	365,503
February.....	276,207	193,284	209,564	September.....	409,087	479,372	423,659
March.....	304,820	195,694	249,554	October.....	490,909	481,201	427,060
April.....	414,733	395,793	251,180	November.....	351,623	301,452	371,343
May.....	483,252	395,079	321,336	December.....	304,103	221,167	334,213
June.....	572,299	519,800	318,301	<b>Total</b> .....	<b>4,895,811</b>	<b>4,577,492</b>	<b>3,964,129</b>
July.....	543,078	501,831	382,253				

TABLE 5. Imports and Exports of Gypsum, 1957 and 1958

	1957		1958	
	Tons	Value	Tons	Value
Imports:		\$		\$
Gypsum, crude, and gypsum, ground, not calcined	92,139	359,615	108,038	609,106
Plaster of Paris and wall plaster .....	17,424	458,438	31,922	733,979
<b>Total</b> .....	...	<b>818,053</b>	...	<b>1,343,085</b>
Exports:				
Gypsum, crude .....	3,410,684	5,905,051	2,898,230	4,871,440
Plaster of Paris, wall plaster .....	23	1,321	16	361
<b>Total</b> .....	...	<b>5,906,372</b>	...	<b>4,871,801</b>

... Not applicable.

TABLE 6. Consumption of Gypsum in the Portland Cement Industry, 1949-58

Year	Tons	Year	Tons
1949 .....	137,785	1954 .....	210,373
1950 .....	137,170	1955 .....	219,461
1951 .....	146,603	1956 .....	234,545
1952 .....	161,210	1957 .....	287,786
1953 .....	199,743	1958 .....	293,514

TABLE 7. Consumption<sup>1</sup> of Gypsum in the Gypsum Products Industry, 1949-58

Year	Crude		Year	Crude	
	tons	Calcined		tons	Calcined
1949 .....	96,447	366,077	1954 .....	767,068	85,978
1950 .....	113,100	406,031	1955 .....	1,022,893	—
1951 .....	610,477	21,231	1956 .....	936,624	—
1952 .....	630,940	—	1957 .....	831,910	—
1953 .....	772,331	—	1958 .....	971,982	—

<sup>1</sup> See text on page 3 for change in method of compilation affecting disposition of crude and calcined gypsum.

TABLE 8. Employees and their Earnings, in the Gypsum Mining Industry, 1954-58

Year	Average number of employees					Man-hours worked	Earnings		
	Administrative and office		Workmen		Total		Administrative and office	Workmen	Total
	Male	Female	Male	Female					
							dollars		
1954 .....	72	8	848	4	932	2,188,129	295,208	2,634,621	2,929,829
1955 .....	93	8	841	2	944	2,177,817	381,395	2,492,803	2,874,198
1956 .....	119	10	899	2	1,030	2,381,789	505,839	2,811,834	3,317,673
1957 .....	111	10	693	2	816	1,843,403	526,510	2,126,810	2,653,320
1958 .....	101	10	514	2	627	1,601,214	521,316	1,778,972	2,300,288





TABLE 12. World Production of Gypsum, by Countries<sup>1</sup>

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

Country <sup>1</sup>	1953	1954	1955	1956	1957
	thousand short tons <sup>2</sup>				
<b>North America:</b>					
Canada <sup>3</sup> .....	3,839	4,184	4,540	4,900	4,501
Cuba .....	33 <sup>4</sup>	33 <sup>4</sup>	35 <sup>4</sup>	24	45 <sup>4</sup>
Dominican Republic .....	20	29	64	84	77 <sup>4</sup>
Guatemala .....	—	—	—	—	7
Jamaica .....	83	186	92	140	212
United States .....	8,293	8,996	10,684	10,316	9,195
<b>Total<sup>1,4</sup> .....</b>	<b>12,378</b>	<b>13,538</b>	<b>15,525</b>	<b>15,574</b>	<b>14,147</b>
<b>South America:</b>					
Argentina .....	138 <sup>4</sup>	164	141	163	198 <sup>4</sup>
Brazil .....	82	83	178	193 <sup>4</sup>	165 <sup>4</sup>
Chile .....	77	83 <sup>4</sup>	83 <sup>4</sup>	77 <sup>4</sup>	77 <sup>4</sup>
Colombia .....	9	17	24	55	66 <sup>4</sup>
Peru .....	81 <sup>4</sup>	65 <sup>4</sup>	91 <sup>4</sup>	94 <sup>4</sup>	96 <sup>4</sup>
Venezuela .....	—	—	—	—	—
<b>Total<sup>1,4</sup> .....</b>	<b>387</b>	<b>412</b>	<b>517</b>	<b>589</b>	<b>602</b>
<b>Europe:</b>					
Austria <sup>3</sup> .....	331	404	455	499	579
Finland .....	—	—	—	—	—
France <sup>3</sup> (saleable) .....	3,193	3,513	4,018	3,967	3,860 <sup>4</sup>
Germany, West <sup>5</sup> .....	857	932	999	1,046	982
Greece .....	28	22	17	19	19 <sup>4</sup>
Ireland .....	102	124	139	121	149
Italy .....	739	785	817	870	880 <sup>4</sup>
Luxembourg .....	10	2	3	6	6 <sup>4</sup>
Poland .....	—	—	—	—	—
Portugal .....	51	64	52	61	60 <sup>4</sup>
Spain .....	1,154	957	1,067	1,245	851
Switzerland .....	138	165	220 <sup>4</sup>	266	259
U.S.S.R. ....	2,635	2,799	3,164	3,300 <sup>4</sup>	3,300 <sup>4</sup>
United Kingdom <sup>3</sup> .....	2,994	3,093	3,266	3,734	3,721
Yugoslavia .....	49	99	74	77 <sup>4</sup>	77 <sup>4</sup>
<b>Total<sup>1,4</sup> .....</b>	<b>12,490</b>	<b>13,200</b>	<b>14,550</b>	<b>15,500</b>	<b>15,050</b>
<b>Asia:</b>					
Ceylon .....	7	7	7	1	1
China <sup>4</sup> .....	110	220	280	330	330
Cyprus <sup>4</sup> .....	210	220	180	140	165
India .....	656	686	773	952	1,024
Iran <sup>4,6</sup> .....	180	220	740	380	390
Iraq <sup>4</sup> .....	275	275	275	385	440
Israel <sup>4</sup> .....	25	31	56	55	24
Japan .....	299	372	374	417	524
Pakistan .....	31	35	31	41	40 <sup>4</sup>
Philippines .....	—	—	—	—	—
Syria <sup>9</sup> .....	1	1	1	2	2 <sup>4</sup>
Taiwan (Formosa) .....	2	4	11	14	7
Thailand (Siam) .....	—	1	—	—	2
<b>Total<sup>1,4</sup> .....</b>	<b>1,790</b>	<b>2,060</b>	<b>2,720</b>	<b>2,720</b>	<b>2,950</b>
<b>Africa:</b>					
Algeria .....	100	80	132	84	84 <sup>4</sup>
Angola .....	6	10	3	22	22 <sup>4</sup>
Belgian Congo .....	7	10	11	11	11 <sup>4</sup>
Egypt .....	205	157	432	225	220 <sup>4</sup>
Kenya .....	1	1	1	2	5
Morocco: Southern Zone .....	16	23	16	28	28 <sup>4</sup>
Sudan .....	8	4	3	2	2 <sup>4</sup>
Tanganyika .....	2	5	9	11	11

See footnotes at end of table.

TABLE 12. World Production of Gypsum, by Countries<sup>1</sup> - Concluded

Country <sup>1</sup>	1953	1954	1955	1956	1957
	thousand short tons <sup>2</sup>				
<b>Africa - Concluded:</b>					
Tunisia .....	25	33	38	15	17 <sup>4</sup>
Union of South Africa (sales and exports)	168	174	178	209	180
<b>Total</b> .....	<b>538</b>	<b>497</b>	<b>823</b>	<b>609</b>	<b>580<sup>4</sup></b>
<b>Oceania:</b>					
Australia .....	370	492	526	524	538
New Caledonia .....	21	3	—	—	—
<b>Total</b> .....	<b>391</b>	<b>495</b>	<b>526</b>	<b>524</b>	<b>538</b>
<b>World total (estimate)<sup>1,2</sup></b> .....	<b>27,970</b>	<b>30,200</b>	<b>34,660</b>	<b>35,520</b>	<b>33,900</b>

<sup>1</sup> In addition to the countries listed, gypsum is produced in Bulgaria, Ecuador, Korea, Mexico and Rumania, but production data are not available. Estimates for these countries are included in the totals.

<sup>2</sup> This table incorporates a number of revisions of data published in previous gypsum chapters. Data do not add to totals shown due to rounding where estimated figures are included in the detail.

<sup>3</sup> Includes anhydrite.

<sup>4</sup> Estimate.

<sup>5</sup> Crude production estimates based on calcined figures.

<sup>6</sup> Data not available.

<sup>7</sup> Less than 500 tons.

<sup>8</sup> Year ended March 20 of year following that stated.

<sup>9</sup> Some pure, some 80 percent gypsum and 20 percent limestone.

## List of Firms in the Gypsum Mining Industry, 1958

Name of firm	Head office address	Plant location
<b>Newfoundland:</b>		
Atlantic Gypsum Ltd. ....	Box 61, Corner Brook .....	Flat Bay
<b>Nova Scotia:</b>		
Canadian Gypsum Co. Ltd. ....	170 Bloor St. W., Toronto, Ontario .....	Wentworth Creek
Little Narrows Gypsum Co. Ltd. ....	170 Bloor St. W., Toronto Ontario .....	Little Narrows
National Gypsum (Canada) Ltd. ....	325 Delaware Ave. Buffalo N.Y. U.S.A. ....	Waiton, East Milford
Gypsum, Lime & Alabastine, Canada, Ltd.	Box 98, Station F, Toronto 5, Ontario .....	Windsor
<b>New Brunswick:</b>		
Canada Cement Co. Ltd. ....	Box 490, Station B, Montreal, Quebec .....	Westmorland
Canadian Gypsum Co. Ltd. ....	170 Bloor St. W., Toronto, Ontario .....	Hillsborough
<b>Ontario:</b>		
Canadian Gypsum Co. Ltd. ....	170 Bloor St. W., Toronto .....	Hagersville
Gypsum, Lime & Alabastine, Canada, Ltd.	Box 98, Station F, Toronto .....	Caledonia
<b>Manitoba:</b>		
Gypsum, Lime & Alabastine, Canada, Ltd.	Box 98, Station F, Toronto, Ontario .....	Gypsumville
Western Gypsum Products Ltd. ....	306 Electric Railway Chambers, Winnipeg ....	Amaranth
<b>British Columbia:</b>		
Western Gypsum Products Ltd. ....	306 Electric Railway Chambers, Winnipeg ....	Windsor



## Part II—Secondary Production: The Gypsum Products Industry, 1958

Thirteen Canadian factories operated by 4 companies manufactured gypsum products having a factory selling value of \$35,719,283. This output was up 20.6% from the \$29,627,225 reported in 1957. The main products were gypsum wallboard, gypsum hardwall plaster, gypsum lath, gypsum tile and gypsum blocks.

The number of employees in these works was 1,604 who were paid \$6,806,213 in salaries and wages. Expenditures for fuel and electricity amounted to \$1,646,796 and materials used in manufacturing processes cost \$15,725,705, a total of \$17,372,501 for materials, fuel and electricity.

TABLE 13. Principal Statistics of the Gypsum Products Industry, Significant Years, 1929-58

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number		dollars				
1929 .....	5	459	689,081	159,401	1,204,024	2,112,594	3,476,019
1933 .....	8	152	109,172	54,998	481,873	443,718	980,589
1937 .....	9	243	232,244	109,770	1,002,568	1,413,169	2,525,507
1939 .....	9	307	321,596	129,889	1,240,763	1,803,485	3,174,137
1945 .....	9	603	937,369	289,914	2,843,004	2,583,196	5,716,114
1946 .....	9	905	1,298,693	412,031	4,076,812	4,266,247	8,775,090
1949 .....	10	1,160 <sup>2</sup>	2,726,218 <sup>2</sup>	751,887	7,351,280	7,596,596	15,699,763
1954 .....	12	1,707 <sup>2</sup>	5,549,282 <sup>2</sup>	1,273,327	11,556,380	13,144,867	25,749,404
1955 .....	12	1,977 <sup>2</sup>	6,830,904 <sup>2</sup>	1,438,300	13,893,069	16,388,745	31,469,039
1956 .....	12	1,675 <sup>2</sup>	6,276,231 <sup>2</sup>	1,445,539	14,647,050	14,936,519	31,272,655
1957 .....	12	1,528 <sup>2</sup>	5,933,594 <sup>2</sup>	1,450,810	12,495,092	15,702,360	29,627,225
1958 .....	13	1,604 <sup>2</sup>	6,806,213 <sup>2</sup>	1,646,796	15,725,705	18,498,829	35,719,283

<sup>1</sup> Due to lack of inventory data, figures for "Value added by manufacture", prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

<sup>2</sup> Data relating to supervisory employees and their earnings include employees in head offices not located at plant.

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

TABLE 14. Inventories<sup>1</sup> in the Gypsum Products Industry, 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening <sup>2</sup> .....	2,380,339	45,003	673,154	3,098,496
Closing .....	2,321,503	58,409	811,795	3,191,707

<sup>1</sup> (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Gypsum Products Industry for the year under review are shown in the above table.

<sup>2</sup> The opening inventory for the current year may not necessarily agree with the closing inventory for the previous year because of changes in the composition of the industry such as; the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 15. Output of the Gypsum Products Industry, 1957 and 1958

Product	1957		1958	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Gypsum wallboard ..... sq. ft.	304,591,116	12,003,760	375,003,665	14,897,820
Gypsum lath ..... "	322,401,967	9,744,059	395,449,386	12,001,022
Gypsum hard wall plasters ..... ton	185,004	3,912,453	230,641	5,109,274
Other gypsum plasters ..... "	84,992	2,285,344	73,643	1,891,763
All other products <sup>1</sup> .....	-	1,681,609	-	1,819,404
<b>Total</b> .....	-	<b>29,627,225</b>	-	<b>35,719,283</b>

<sup>1</sup> Includes gypsum tile and blocks, etc.

TABLE 16. Materials Used in the Gypsum Products Industry, 1957 and 1958

Material	1957		1958	
	Quantity	Cost at works	Quantity	Cost at works
	tons	\$	tons	\$
Gypsum, crude .....	831,910	3,920,799	971,982	5,156,906
Paper .....	39,994	5,111,421	50,153	6,339,728
Starch or paste .....	1,783	342,199	2,813	451,292
Hair .....	99	20,000	110	22,026
Retarder .....	667	121,786	732	140,655
Sawdust and shavings .....	-	4,105	-	1,152
Containers, etc. ....	-	859,273	-	992,613
All other materials .....	-	2,115,509	-	2,621,333
<b>Total</b> .....	-	<b>12,495,092</b>	-	<b>15,725,705</b>

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

TABLE 17. Production of Gypsum Wallboard and Gypsum Lath, 1949-58

Year	Gypsum wallboard		Gypsum lath	
	Square feet	Value	Square feet	Value
		\$		\$
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
1952 .....	225,409,932	7,869,907	202,987,638	6,004,908
1953 .....	251,784,173	9,195,011	269,225,013	8,152,601
1954 .....	261,116,324	9,814,071	325,792,296	9,604,434
1955 .....	303,551,960	11,745,957	396,675,440	11,612,443
1956 .....	301,731,334	11,779,191	372,261,631	11,168,044
1957 .....	304,591,000	12,004,000	322,402,000	9,744,000
1958 .....	375,003,665	14,897,820	395,449,386	12,001,022

TABLE 18. Employees and their Earnings,<sup>1</sup> 1957 and 1958

	1957	1958
Employees:		
Office and supervisory:		
Male .....	327	339
Female .....	119	121
Workmen:		
Male .....	1,081	1,143
Female .....	1	1
<b>Total employees</b> .....	<b>1,528</b>	<b>1,604</b>
Earnings:		
Office and supervisory .....	\$ 1,996,351	2,209,181
Workmen .....	\$ 3,937,243	4,597,032
<b>Total earnings</b> .....	<b>\$ 5,933,594</b>	<b>6,806,213</b>

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

TABLE 19. Production Workers, by Months, 1957 and 1958

Month	1957			1958		
	Male	Female	Total	Male	Female	Total
January .....	990	—	990	1,035	1	1,036
February .....	982	—	982	1,036	1	1,037
March .....	939	—	940	1,050	1	1,051
April .....	1,066	1	1,067	1,109	1	1,110
May .....	1,081	1	1,082	1,139	1	1,140
June .....	1,138	1	1,139	1,190	—	1,190
July .....	1,171	1	1,172	1,242	1	1,243
August .....	1,209	1	1,210	1,235	1	1,236
September .....	1,169	1	1,170	1,223	1	1,224
October .....	1,137	—	1,137	1,202	1	1,202
November .....	1,077	—	1,077	1,147	1	1,148
December .....	1,039	—	1,039	1,135	1	1,136
<b>Average</b> .....	<b>1,081</b>	<b>1</b>	<b>1,082</b>	<b>1,143</b>	<b>1</b>	<b>1,144</b>



