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Minister of Trade and Commerce.

CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH

THE GYPSUM INDUSTRY IN CANADA 1937

OTTAWA
1938

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THE GYPSUM INDUSTRY, 1937.

PART 1 - PRIMARY PRODUCTION - THE GYPSUM MINING AND QUARRYING INDUSTRY.

Production of gypsum in Canada during 1937 totalled 1,047,187 short tons valued at $1,540,483 as compared with 833,822 short tons at $1,278,971 in 1936. The tonnage shipped or used in 1937 was the greatest since 1930 and its value was the largest recorded since 1931. Output in 1937 included 51,147 tons of lump or mine run; 902,217 tons of crushed; 916 tons of fine ground and 92,907 tons of calcine. The average value per ton of lump gypsum, including anhydrite, was $1.30 in 1937; crushed grades averaged $1.07 per ton; fine ground $6.24 and calcined material $5.45.

Increases in the value of shipments as compared with 1936 were realized in Nova Scotia, New Brunswick, Ontario, Manitoba and British Columbia, the five gypsum producing provinces; corresponding increases in the tonnage of gypsum sold were recorded for each of these provinces with the exception of New Brunswick, where producers reported a relatively small decrease in the quantity of the mineral sold or consumed. Nova Scotia is the greatest producer of gypsum in Canada with the output in 1937 totalling 926,796 tons or 88.5 percent of the entire Canadian output.

In 1937 the number of firms reporting production numbered 9 and the gypsum quarries and mines in operation totalled 13. Some of the Canadian gypsum mining companies confine their operations in the Dominion to the production and shipment of crude gypsum or anhydrite, while others, in addition to marketing various grades of crude gypsum, produce a calcine for sale or for consumption in their own gypsum products plants.

Capital employed by gypsum producing firms, reported as active, totalled $6,902,222 in 1937; employees aggregated 602; salaries and wages paid amounted to $595,396 and the total value of fuel, purchased electricity and process supplies consumed was recorded at $263,077.

A report (No. 791) issued by the Bureau of Mines, Ottawa, contains the following information relating to Canadian gypsum:- "The materials produced are the hydrous calcium sulphate, commonly known as gypsum, the partly dehydrated material known as plaster of Paris or wall plaster, and the anhydrous calcium sulphate known as anhydrite. Gypsum is marketed in the crude form, ground as "land plaster" and "terra alba", or ground and calcined as plaster of Paris and wall plaster. Each year an increasing proportion of the calcined material enters into the manufacture of wall board, gypsum blocks, insulating material, acoustic plaster, etc. Anhydrite is used mainly as a fertilizer for the peanut crop in the Atlantic Seaboard states of the southern United States ..... The use of anhydrite in England for the manufacture of sulphuric acid, ammonium sulphate, and special plasters is rapidly increasing, and the shipment of 2,500 tons of anhydrite drums in the past year marks the entry of Canada into this market."

Gypsum is exported from Canada almost entirely in the crude form; during 1937 exports totalled 841,191 short tons valued at $960,711 as compared with 650,377 tons and $756,010 in 1936; of the 1937 exports, 735,125 short tons worth $851,518 went to the United States and 103,602 short tons valued at $106,443 to the United Kingdom.

Table 1 - PRINCIPAL STATISTICS OF THE GYPSUM MINING INDUSTRY IN CANADA, 1935 - 1937.

		Nova Scotia	New Brunswick, Ontario, Manitoba, British Columbia	TOTAL CANADA
Number of firms	1935	4	3(x)	6
	1936	7	3(x)	9
	1937	5	4(x)	8
Capital employed	1935 $	3,129,545	2,607,569	5,737,114
	1936 $	5,095,747	3,858,907	8,954,654
	1937 $	4,178,656	2,723,566	6,902,222
Number of employees - On salary -				
	1935	20	34	54
	1936	32	32	64
	1937	25	36	61
- On wages -				
	1935	199	214	413
	1936	244	206	450
	1937	312	229	541
Salaries and wages - Salaries -				
	1935 $	33,560	59,790	93,350
	1936 $	35,665	53,121	88,786
	1937 $	44,903	65,469	110,372
Wages -				
	1935 $	130,347	143,310	273,657
	1936 $	191,184	160,327	351,511
	1937 $	267,875	217,149	485,024
Fuel and electricity - cost -				
	1935 $	45,184	76,430	121,614
	1936 $	54,081	86,597	140,678
	1937 $	67,743	88,372	156,115
Value of process supplies used -				
	1935 $	23,973	41,440	65,413
	1936 $	38,763	39,428	78,191
	1937 $	67,167	39,795	106,962
Selling value of products (gross) -				
	1935 $	523,216	408,987	932,203
	1936 $	808,294	470,677	1,278,971
	1937 $	978,288	562,195	1,540,483

(x) Includes 1 company also operating in Nova Scotia.

Table 2 - FUEL AND ELECTRICITY USED IN THE GYPSUM MINING INDUSTRY, 1937, WITH TOTALS FOR 1936 and 1935.

	Unit of measure	Nova Scotia		New Brunswick, Ontario, Manitoba British Columbia		CANADA	
		Quantity	Cost at works $	Quantity	Cost at works $	Quantity	Cost at works $
Coal - Bituminous - imported	ton	...	...	1,208	7,630	1,208	7,630
Bituminous - Canadian	ton	1,936	13,505	4,430	23,287	6,366	36,792
Lignite	ton	...	...	1,060	4,047	1,060	4,047
Coke	ton	...	...	351	3,666	351	3,666
Gasoline	Imp.gal.	92,752	20,606	5,360	1,067	98,112	21,673
Kerosene	Imp.gal.	884	178	...	...	884	178
Fuel and diesel oil	Imp.gal.	90,540	9,279	2,624	459	93,164	9,738
Wood	cord	...	...	399	2,010	399	2,010
Gas - Manufactured	M cu.ft.	...	...	...	...	...	...
Natural	M cu.ft.	...	...	25,836	10,342	25,836	10,342
Other fuel	xxx	...	...	...	...	...	...
Electricity purchased	K.W.H.	1,285,600	24,175	2,632,021	35,864	3,917,621	60,039
TOTAL - 1937	$	...	67,743	...	88,372	...	156,115
TOTAL - 1936	$	...	54,081	...	86,597	...	140,678
TOTAL - 1935	$	...	45,184	...	76,430	...	121,614
Electricity generated for own use -							
1937	K.W.H.	250,000	...	796,152	...	1,046,152	...
1936	K.W.H.	274,902	...	725,424	...	1,000,326	...
1935	K.W.H.	397,792	...	96,865	...	494,657	...

NOTE - 1 ton = 2,000 pounds.

Table 3 - NUMBER OF WAGE-EARNERS ON PAYROLL OR TIME RECORD ON THE 15th OF EACH MONTH OR NEAREST REPRESENTATIVE DATE, 1935, 1936 and 1937.

Month	1935		1936		1937		
	MINE	MILL	MINE	MILL	MINE		MILL
					Surface	Underground	
January	51	125	116	92	55	63	156
February	37	145	71	104	45	63	135
March	56	159	70	139	47	70	208
April	140	223	194	146	243	74	197
May	267	205	239	191	314	82	230
June	282	201	333	218	333	90	281
July	324	237	399	232	381	87	239
August	343	218	392	219	391	78	230
September	369	201	356	224	389	88	233
October	382	199	348	229	402	86	227
November	275	191	368	217	303	76	216
December	185	155	256	194	171	68	160

Table 4 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT DURING 1935, 1936 and 1937 WITH REGULAR HOURS WORKED PER WEEK.

Hours worked per week	NUMBER			Hours worked per week	NUMBER		
	1935	1936	1937		1935	1936	1937
40 or less	81	154	71	51 - 53	24	14	6
41 - 43	10	9	14	54	33	7	92
44	35	46	38	55	35	30	2
45 - 47	12	20	17	56 - 59	19	55	15
48	257	356	358	60	82	201	138
49 - 50	19	10	12	60 plus	12	...	90

Table 5 - POWER EQUIPMENT INSTALLATION, 1937.

Description	Ordinarily in use		In reserve or idle	
	No. of units	Total h.p. (manufacturers' rating)	No. of units	Total h.p. (manufacturers' rating)
1. Steam engines and steam turbines	6	810	1	30
2. Diesel engines	15	1,806	...	...
3. Gasoline, gas and oil engines, other than diesel engines	42	2,229	3	143
4. Hydraulic turbines or water wheels	...	...	...	...
5. Electric motors -				
(a) Operated by purchased power	161	5,782	43	1,475
TOTAL - (1), (2), (3), (4) and (5a)	224	10,627	47	1,648
(b) Operated by power generated by the establishment	13	309	2	85
Stationary boilers	6	885	2	170

Table 6 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF GYPSUM, 1936 and 1937.

	1936		1937	
	Quantity	Value	Quantity	Value
	Tons	$	Tons	$
SHIPMENTS BY GRADES -				
Crude (1) - Lump or mine run	47,628	58,954	51,147	66,237
Crushed	709,326	794,002	902,217	961,776
Fine ground	738	4,108	916	5,716
Calcined gypsum (2)	76,130	421,907	92,907	506,754
TOTAL	833,822	1,278,971	1,047,187	1,540,483
SHIPMENTS BY PROVINCES -				
Nova Scotia	729,019	808,294	926,796	978,288
New Brunswick	38,470	123,560	36,906	131,727
Ontario	40,191	182,783	53,780	233,895
Manitoba	12,064	87,076	13,941	88,095
British Columbia	14,078	77,258	15,764	108,478
TOTAL	833,822	1,278,971	1,047,187	1,540,483
Total gypsum mined and quarried (1)	841,116	...	1,151,064	...
Total gypsum calcined (2)	95,655	...	119,677	...
IMPORTS -				
Gypsum, crude (sulphate of lime)	4	150	56	610
Gypsum, ground, not calcined	340	9,548	333	11,940
Plaster of Paris or gypsum, calcined, and prepared wall plaster	813	19,661	1,380	28,092
TOTAL	1,157	29,359	1,769	40,642
EXPORTS -				
Gypsum or plaster, crude	650,377	756,010	841,191[x]	960,711
Plaster of Paris, ground, and prepared wall plaster	752	19,280	1,234	29,552
TOTAL	651,129	775,290	842,425	990,263

(1) Includes some anhydrite quarried in Nova Scotia.
(2) Does not include gypsum calcined in manufacturing plants located in Montreal and Calgary.
x 735,125 tons at$851,518 to United States and 103,602 tons at $106,443 to United Kingdom.

Table 7 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF GYPSUM, January 1 to June 30, 1937 and 1938.

	1937		1938	
	Tons	$	Tons	$
PRODUCTION -				
Crude - Lump or mine run	32,409	39,326	1,402	2,350
Crushed	302,260	319,515	286,273	309,536
Fine ground	370	2,539	145	857
Calcined	42,159	286,870	42,787	252,742
TOTAL	377,198	648,250	330,607	565,485
Crude gypsum mined	385,727	...	342,996	...
IMPORTS -				
Gypsum, crude (sulphate of lime)	54	575	6	170
Ground gypsum, not calcined	153	5,382	219	7,148
Plaster of Paris, or gypsum, calcined, and prepared wall plaster	685	14,362	456	11,337
TOTAL	...	20,319	...	18,655
EXPORTS -				
Gypsum or plaster, crude	225,012	254,417	267,946	307,130
Plaster of Paris, ground, and prepared wall plaster	639	15,362	881	20,561
TOTAL	...	269,779	...	327,691

Table 8 - PRODUCTION (SALES) OF CRUDE AND CALCINED GYPSUM IN CANADA, 1926 - 1937.

Year	Tons	Value $	Year	Tons	Value $
1926	883,728	2,770,813	1932	438,629	1,080,379
1927	1,063,117	3,251,015	1933	382,736	675,822
1928	1,246,368	3,743,648	1934	461,237	863,776
1929	1,211,689	3,345,696	1935	541,864	932,203
1930	1,070,968	2,818,788	1936	833,822	1,278,971
1931	863,752	2,111,517	1937	1,047,187	1,540,483

Table 9 - CONSUMPTION OF GYPSUM IN CANADIAN CEMENT INDUSTRY, 1930 - 1937.

Year	Tons	Year	Tons
1930	74,227	1934	19,172
1931	56,677	1935	21,611
1932	27,537	1936	25,447
1933	13,319	1937	33,691

Table 10 - WORLD'S PRODUCTION OF GYPSUM, 1934 - 1936(d).
(Taken from the Imperial Institute's publication "The Mineral Industry of the British Empire and Foreign Countries")
(Long tons)

Producing country	1934	1935	1936
BRITISH EMPIRE			
United Kingdom	961,581	981,913	1,002,472
Union of South Africa	22,929	21,249	31,457
Canada	440,442	502,206	750,996
Cyprus (estimated)	14,000	16,000	13,000
Palestine	3,377	4,471	6,111
India	46,757	45,318	54,404
Australia	89,654	118,136	125,584
TOTAL	1,579,000	1,689,000	1,984,000
FOREIGN COUNTRIES			
Austria	33,000	38,000	48,000
Estonia	4,828	6,139	13,630
France	1,430,500	1,255,000	(a)
Germany	851,000	952,000	(a)
Greece	4,454	4,800	13,561
Italy (including alabaster)	451,729	463,726	319,659
Latvia (exports)	80,524	97,372	121,552
Luxemburg	10,520	29,008	28,650
Roumania (b)	46,430	61,058	(a)

(a) Information not available.
(b) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.
(d) Complete data for 1937 not yet available.

Table 10 - WORLD'S PRODUCTION OF GYPSUM, 1934 - 1936(d) (Concluded).

Producing Country	1934	1935	1936
FOREIGN COUNTRIES (concluded)			
Spain (c)	1,042,135	(a)	(a)
Sweden	119	167	92
U.S.S.R. (Russia)	677,662	(a)	(a)
Algeria	80,026	54,476	44,575
Egypt	147,348	187,655	(b)252,164
Tunis (estimated)	25,000	25,000	25,000
Mexico	(a)	59,944	60,736
United States	1,371,580	1,699,893	2,421,884
Argentina	43,445	48,987	54,826
Brazil (estimated)	2,000	2,000	2,000
Chile	10,729	25,738	22,200
Peru	8,018	8,913	(a)
China	66,650	70,000	70,000
Japan	125,617	135,503	(a)
New Caledonia	13,400	...	...
TOTAL(f)	6,600,000	6,900,000	(a)
WORLD'S TOTAL(f)	8,200,000	8,600,000	(a)

(f) Gypsum is also produced in Poland, Switzerland, French Morocco and Cuba.
(a) Information not available.
(b) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.
(d) Complete data for 1937 not available.

GENERAL NOTES

UNITED STATES - The gypsum industry in 1937 reached the highest level since 1930. The apparent new supply of crude gypsum in the United States increased 566,150 short tons (17 per cent) over 1936. Nearly half of the increase resulted from a 33 percent rise in crude gypsum imported; domestic crude production was 345,656 tons higher than in 1936, a gain of 13 percent. In 1937 crude gypsum was mined in 17 states at 58 active operations, including 29 underground mines, 24 quarries and 5 combination mines and quarries. The average value per ton in 1937 for United States crude was $1.56. Chemical manufacturers in the United States annually produce large quantities of precipitated gypsum which constitute a major waste disposal problem at some plants. Most of this gypsum is produced in the manufacture of phosphoric acid and phosphate chemicals. In 1937 gypsum products derived from by-product gypsum were sold by two companies on the Atlantic Coast, one in the Middle West and one on the Pacific Coast. ..... Results of investigations by the United States Bureau of Mines on anhydrite as Portland cement retarder show that anhydrite-gypsum mixtures comtaining up to 50 per cent anhydrite may be as effective as pure gypsum depending on the total amount of SO_3 added and the susceptibility of the cement clinker to retardation. (United States Bureau of Mines).

SOUTH AUSTRALIA - The distribution of gypsum through the state is very wide and only the most favourably situated of the known deposits have been worked. Crystalline gypsum suitable for the manufacture of plaster and for use in the production of cement has long been obtained from the extremity of Yorke Peninsula, and

more recently from Lake MacDonnell to the South of Penong. Plaster is manufactured at Port Adelaide. The granular and pulverunt types (known as "seed" and "flour" gypsum respectively) have been worked to provide material for agricultural use. Crystalline gypsum has been shipped in large quantities to New Caledonia for use in the smelting of nickel ores. The largest output of gypsum in a single year has been that recorded for 1936, when 107,151 tons were raised. (Director of Mines, South Australia).

UNION OF SOUTH AFRICA - The greater portion of the high grade gypsum produced is utilized in the local cement factories. Recently, however, increased interest has been taken in the manufacture of gypsum products used in the building trade, and a factory has been erected on the Rand which will provide a greater outlet for the lower grades of gypsum. Production of gypsum during 1937 totalled 36,582 short tons valued at £30,780 as compared with 35,232 short tons at £ 28,161 in 1936. (Union of South Africa Department of Mines).

FRANCE - "The difficulty in France in obtaining adequate quantities of pyrites for its chemical industry has led to an interesting development ..... In view of these circumstances and the difficulty of obtaining supplies in war for the manufacture of sulphuric acid, the gypsum occurrences of Lorraine, the Alps and the Paris Basin are being utilized as a source of the sulphur for sulphuric acid manufacture. Gypsum mixed with a highly silicious sand, and fused in an electric furnace, yields sulphur dioxide and a calcium silicate product, which is said to be a good quality cement ....." (Deutsche Bergswerks Teit)

The principal gypsum deposits in France are located along the Marne and Seine rivers and range from 4 to 30 meters in thickness. In Western France the industry is centred about Charente. It is stated that French production is about twice the domestic consumption. Crude gypsum is exported to neighboring countries and special plasters are exported.

UNITED KINGDOM - About one-third of the output of gypsum in the United Kingdom comes from the Durham district followed by the Nottingham, Stafford and smaller producing districts of Westmoreland and Cumberland. Production during 1936 totalled 1,002,472 long tons as compared with 961,581 long tons in 1934. Imports (less exports) of crude gypsum, including alabaster, amounted to 177,758 long tons in 1936 as against 106,452 long tons in 1934; imports of calcined gypsum totalled 23,917 long tons in 1936.

LIST OF OPERATORS IN CANADIAN GYPSUM MINING INDUSTRY - 1937.

Name of Firm	Head Office Address	Quarry Location
NOVA SCOTIA -		
National Gypsum Co. (Can.) Ltd.	192 Delaware Ave., Buffalo, N.Y., U.S.A.	Dingwall, Cheticamp and Walton
Canadian Gypsum Co. Ltd.	1221 Bay St., Toronto, Ont.	Wentworth
The Connecticut Adamant Plaster Co.	10 River St., New Haven, Conn., U.S.A.	Cheverie
North American Gypsum Co. (x)	96 Curtis Ave., Rutland, Vt., U.S.A.	Baddeck Bay
Windsor Plaster Co. Ltd.	Windsor	Brooklyn, Hants Co.
Victoria Gypsum Co. Ltd.	Little Narrows	Little Narrows

(x) Did not ship in 1937.

LIST OF OPERATORS IN CANADIAN GYPSUM MINING INDUSTRY - 1937 (Concluded)

Name of Firm	Head Office Address	Quarry Location
NEW BRUNSWICK -		
Canadian Gypsum Co. Ltd.	1221 Bay Street, Toronto, Ont.	Hillsborough
Fraser Donald (x)	Plaster Rock	Plaster Rock
ONTARIO -		
Canadian Gypsum Co. Ltd.	1221 Bay Street, Toronto, Ont.	Hagersville
Gypsum, Lime and Alabastine, Canada, Ltd.	Paris	Caledonia
MANITOBA -		
Gypsum, Lime and Alabastine, Canada, Ltd.	Paris, Ontario	Gypsumville
Western Gypsum Products Ltd.	503 McArthur Bldg., Winnipeg	Amaranth
BRITISH COLUMBIA -		
Gypsum, Lime and Alabastine, Canada, Ltd.	Paris, Ontario	Falkland
Summit Lime Works	Box 273, Lethbridge, Alberta	Fort Steele, M.D.

(x) Did not ship in 1937.

PART II - THE GYPSUM PRODUCTS INDUSTRY, 1937.

Nine plants owned and operated by four companies manufactured gypsum products in Canada during 1937 and their output was valued at $2,525,507 as compared with $1,970,822 in 1936 and $1,418,793 in 1935. Gypsum wallboard and hard wall plaster were the chief products but other lines such as gypsum blocks, tile, stucco, insulex, etc., were of considerable importance.

Capital invested in the industry was reported at $2,756,165 in 1937, and employment was given to a monthly average of 243 people who received $232,244 in salaries and wages. Materials used in manufacturing cost $1,002,568 and fuel and electricity cost $109,770.

Table 11 - PRINCIPAL STATISTICS OF THE GYPSUM PRODUCTS INDUSTRY, 1936 and 1937.

		1936	1937
Number of establishments		9	9
Capital employed	$	2,766,619	2,756,165
Number of employees		217	243
Salaries and wages	$	219,495	232,244
Cost of fuel and electricity	$	77,415	109,770
Cost of materials at works	$	798,799	1,002,568
Selling value of products at works	$	1,970,822	2,525,507

Table 12 - WAGE EARNERS, BY MONTHS, 1936 and 1937 (on 15th of each month).

Month	Number of wage-earners		Month	Number of wage-earners	
	1936	1937		1936	1937
January	157	189	July	213	220
February	151	187	August	175	224
March	170	216	September	200	234
April	176	215	October	216	224
May	200	224	November	221	200
June	206	233	December	192	195
			AVERAGE	189	213

Table 13 - FUEL AND ELECTRICITY USED, 1936 and 1937.

Kind	Unit of measure	1936		1937	
		Quantity	Cost at works	Quantity	Cost at works
			$		$
Coal - Bituminous - Canadian.	short ton	430	3,337	175	1,330
Imported.	short ton	4,157	25,611	5,172	32,643
Lignite	short ton	653	2,422	883	3,279
Coke	short ton	128	1,103	1,185	14,521
Gasoline	Imp. gal.	647	189	...	...
Kerosene	Imp. gal.	180	32	...	...
Fuel oil	Imp. gal.	379,742	17,535	449,645	23,370
Wood	Cord	...	...	3	21
Gas - Natural	M cu.ft.	6,789	2,045	6,838	2,107
Electricity purchased	K. W. H.	2,025,767	25,141	2,572,502	32,499
TOTAL	xxx	...	77,415	...	109,770
Electricity generated for own use	K. W. H.	...	...	302,076	...

Table 14 - POWER EQUIPMENT, 1936 and 1937.

	1936		1937	
	Number of units	Total rated H.P.	Number of units	Total rated H.P.
Steam engines and turbines	1	10	2	110
Gasoline, gas and oil engines	1	1	...	...
Total primary equipment	2	11	2	110
Electric motors run by purchased power	245	3,378	250	3,562
TOTAL	247	3,389	252	3,672
Electric motors run by power generated by above primary units	8	23	37	248
TOTAL ELECTRIC MOTORS	253	3,401	287	3,810
Boilers	6	910	7	1,120

Table 15 - MATERIALS USED IN THE GYPSUM PRODUCTS INDUSTRY, 1936 and 1937.

Material	Unit of measure	1936 Quantity	1936 Cost at works	1937 Quantity	1937 Cost at works
			$		$
Gypsum, crude	short ton	17,057	70,011	18,568	79,122
Gypsum, calcined (plaster of Paris)	" "	72,233	359,755	82,811	436,723
Paper	" "	3,952	184,223	5,001	245,330
Starch or paste	" "	162	25,934	188	31,070
Hair	" "	85	14,380	96	20,339
Retarder	" "	165	10,718	182	13,295
Sawdust or shavings	" "	402	3,747	211	2,441
Containers, etc.	xxx	...	80,785	...	92,606
All other materials	xxx	...	49,246	...	81,642
TOTAL	xxx	...	798,799	xxx	1,002,568

Table 16 - OUTPUT OF THE GYPSUM PRODUCTS INDUSTRY, 1936 and 1937.

Products	Unit of measure	1936 Quantity	1936 Selling value at works	1937 Quantity	1937 Selling value at works
			$		$
Gypsum wallboard	sq. ft.	42,863,567	996,308	58,319,517	1,372,476
Gypsum hard wall plasters	short ton	57,138	804,973	63,786	877,840
All other products(x)	xxx	...	169,541	...	275,191
TOTAL	xxx	...	1,970,822	...	2,525,507

(x) Includes gypsum tile, gypsum blocks, etc.

LIST OF FIRMS IN THE GYPSUM PRODUCTS INDUSTRY - 1937.

Name of Firm	Head Office Address	Plant Location
Windsor Plaster Co. Ltd.	Windsor, N.S.	Windsor, N.S.
Canadian Gypsum Co. Ltd.	1221 Bay Street, Toronto, Ont.	Hillsborough, N.B. Hagersville, Ont.
Gypsum, Lime and Alabastine, Canada, Limited	Paris, Ont.	Montreal, P.Q. Caledonia, Ont. Winnipeg, Man. Calgary, Alberta New Westminster, B.C.
Western Gypsum Products Ltd.	503 McArthur Bldg., Winnipeg, Man.	Winnipeg, Man.