

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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LIME INDUSTRY, 1937.

Production of quick and hydrated lime during 1937 by Canadian producers totalled 549,353 shorts tons valued at \$3,824,917 compared with 468,401 tons at \$3,335,970 in the preceding year. The tonnage as recorded represents both sales and consumption of lime by producers and the output in 1937 as thus defined, was the largest since the all time high record of 674,087 tons in 1929. Of the total 1937 lime production 466,538 short tons valued at \$3,252,383 represented quicklime and 82,815 short tons at \$572,534, hydrated lime. Ontario and Quebec are Canada's largest lime producing provinces, the output in these provinces during 1937 being respectively, 294,467 short tons worth \$2,152,644 and 156,313 tons at \$909,116.

The consumption of lime as a chemical in industrial plants and processes has been increasing rapidly during recent years. In 1937 statistical returns made by the Canadian lime industry revealed that 466,796 short tons of lime valued at \$3,112,147 were shipped as chemical to smelters, steel mills, calcium carbide plants, gold mines, pulp and paper mills, glass works and various other consumers. Of the quantity used in such plants during 1937, the pulp and paper mills absorbed 132,045 short tons, iron and steel mills 43,790 tons, gold mines 37,209 tons and sugar refineries 11,625 tons.

The prices per ton for quick and hydrated lime in 1937 were respectively \$6.97 and \$6.45 as compared with \$8.25 and \$11.81 in 1927.

The number of Canadian lime firms reported as active in 1937 totalled 52, of which 21 were located in the province of Quebec and 16 in Ontario. The remainder of the firms comprising the industry conducted lime burning operations in Nova Scotia, New Brunswick, Manitoba, Alberta and British Columbia. Capital employed by the entire industry in 1937 was reported at \$4,931,831; employees totalled 872, salaries and wages distributed aggregated \$781,274; \$871,131 were expended for fuel and electricity and the cost of explosives and various other process supplies was recorded at \$167,827.

Imports of lime into Canada during 1937 totalled 10,033,100 pounds valued at \$32,379 as compared with 1,876,300 pounds at \$12,036 in 1936. Exports of lime during 1937 amounted to 20,746,700 pounds appraised at \$85,489 compared with 23,322,800 at \$97,574 in the preceding year.

Hydrated or specially prepared slake lime is marketed in the form of fine powder usually in 50 pound multi-wall paper bags. Quick lime is sold in the lump, pebble, crushed and pulverized forms. Lump lime and pebble lime are sold in bulk or packed in barrels; crushed lime (1 inch and under) and pulverized lime (ground to minus 20 mesh and in some plants to minus 50 mesh) are sold in airtight, multi-wall paper bags.

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According to a report (No. 791) issued by the Bureau of Mines, Ottawa, the outlook for the lime industry is promising because of the increasing number of uses for lime, and because of the increase in lime-using industries in Canada. The feasibility of recovering the carbon dioxide gas resulting from the calcination of lime, now allowed to go to waste in most commercial lime plants, is engaging the attention of lime manufacturers. It has been reported that a lime company in Australia is now producing both liquid and solid carbon dioxide as by-products.

Table 1 - PRINCIPAL STATISTICS OF THE LIME INDUSTRY IN CANADA, 1936 and 1937.

	1936	1937
Number of firms	52	52
Number of plants	57	57
Capital employed	\$ 6,106,901	4,931,831
Number of employees - On salary	73	74
On wages	726	798
Total	799	872
Salaries and Wages - Salaries	\$ 90,288	108,195
Wages	\$ 550,034	673,079
Total	\$ 640,322	781,274
Selling value of products (gross)	\$ 3,335,970	3,824,917
Cost of fuel and electricity	\$ 743,663	871,131
Process supplies used	\$ 96,316	167,827
Selling value of products (net)	\$ 2,495,991	2,785,959

Table 2 - NUMBER OF FIRMS, EMPLOYEES, SALARIES AND WAGES AND LIME (QUICK and HYDRATED) SOLD OR USED, BY PROVINCES, 1935, 1936 and 1937.

Province	Number of Firms	Number of employees	Salaries and Wages	Fuel, electricity and process supplies used	PRODUCTION	
					Tons of Lime, Sold or Used	Value (Gross)
			\$	\$		\$
<u>1935</u>						
New Brunswick(A)	7	98	82,575	49,077	27,603	207,473
Quebec	19	277	172,407	255,840	116,473	678,866
Ontario	14	219	181,342	357,508	220,140	1,696,867
Manitoba	3	75	57,629	80,637	18,615	185,517
Alberta	3	20	23,026	8,807	6,584	57,108
British Columbia	3	67	39,070	58,568	16,004	99,960
CANADA	49	756	556,049	810,437	405,419	2,925,791
<u>1936</u>						
New Brunswick(A)	6	121	103,531	63,378	33,506	247,246
Quebec	21	262	199,578	243,636	133,254	718,585
Ontario	16	230	215,211	409,551	246,593	1,946,060
Manitoba	3	79	53,065	88,183	21,760	211,035
Alberta	3	24	24,569	7,470	9,129	78,259
British Columbia	3	83	44,368	27,761	24,159	134,785
CANADA	52	799	640,322	839,979	468,401	3,335,970

Table 2 - NUMBER OF FIRMS, EMPLOYEES, SALARIES AND WAGES and LIME (QUICK and HYDRATED) SOLD OR USED, BY PROVINCES, 1935, 1936 and 1937 (Concl.)

Province	Number of Firms	Number of employ-ees	Salaries and Wages	Fuel, elec- tricity and process supplies used	PRODUCTION	
					Tons of Lime, Sold or Used	Value (Gross)
			\$	\$		\$
<u>1 9 3 7</u>						
New Brunswick (f)	6	132	128,221	69,030	37,586	300,477
Quebec	21	290	245,857	283,864	156,313	909,116
Ontario	16	250	269,793	491,578	294,467	2,152,644
Manitoba	3	97	67,635	87,952	22,597	215,165
Alberta	3	22	26,727	25,403	10,651	93,478
British Columbia.	3	81	43,041	81,131	27,739	154,037
CANADA	52	872	781,274	1,038,958	549,353	3,824,917

(f) Includes data relating to two firms in Nova Scotia.

Table 3 - NUMBER OF WAGE-EARNERS ON PAYROLL OR TIME RECORD ON THE 15th OF EACH MONTH OR NEAREST REPRESENTATIVE DATE, 1934 - 1937.

Month	1 9 3 4		: 1 9 3 5		: 1 9 3 6		: 1 9 3 7	
	Quarry	Kiln	Quarry	Kiln	Quarry	Kiln	Quarry	Kiln
January	247	337	187	351	240	363	235	397
February	259	339	186	337	240	354	251	434
March	252	332	221	363	254	376	269	429
April	259	360	240	391	281	428	305	483
May	337	442	292	447	293	477	323	540
June	337	440	284	453	318	509	328	550
July	311	425	298	476	306	483	327	565
August	279	390	303	428	293	465	328	511
September	311	399	302	455	293	463	308	560
October	330	418	323	494	308	489	284	590
November	263	396	264	476	273	475	273	548
December	233	341	224	432	263	422	250	440

Table 4 - FUEL AND ELECTRICITY USED IN THE LIME INDUSTRY IN CANADA, 1936 and 1937.

Kind	Unit of Measure	1 - 9 - 3 6		1 - 9 - 3 7	
		Quantity	Value	Quantity	Value
			\$		\$
Bituminous coal - Canadian ...	short ton	32,960	178,648	37,588	224,911
Imported ...	short ton	53,904	282,908	67,647	339,817
Anthracite coal	short ton	120	708	111	619
Lignite coal	short ton	85	316	84	311
Coke	short ton	11,532	81,857	12,211	89,698
Gasoline (excluding vehicle fuel)	Imp. gal.	29,088	6,441	38,923	8,665
Kerosene	Imp. gal.	211	54	1,590	189
Fuel oil and diesel oil	Imp. gal.	468,402	21,420	550,554	24,060
Wood	cord	40,341	120,072	46,078	134,499
Other fuel	xxx				4
Electricity purchased	Kw. H.	8,410,745	51,239	8,604,644	48,358
TOTAL	\$		743,663		871,131

Electricity generated for own use in 1936 totalled 531,242 Kw.H. and 556,628 Kw.H. in 1937.

Table 5 - POWER EQUIPMENT IN CANADIAN LIME PLANTS, 1937.

	Number of units (x)	Total Horse Power
Steam engines and steam turbines	9	285
Diesel engines	4	376
Other internal combustion engines	13	395
Hydraulic water wheels .....	...	...
Electric motors	340	6,533
Boilers	18	1,267

(x) Includes reserve equipment.

Table 6 - PRODUCTION OF LIME IN CANADA, 1928 - 1937.

Year	Short tons	Value \$	Year	Short tons	Value \$
1928	508,889	4,534,568	1933	323,540	2,432,306
1929	674,087	5,908,610	1934	368,113	2,745,797
1930	490,802	4,038,638	1935	405,419	2,925,791
1931	344,785	2,764,415	1936	468,401	3,335,970
1932	320,650	2,394,537	1937	549,353	3,824,917

Table 7 - LIME SOLD OR USED FOR CHEMICAL AND OTHER PURPOSES AND VALUE OF CONTRACTS IN CANADA, 1930 - 1937.

Year	Lime Sold or Used for Chemical Purposes		Lime Sold or Used for Building or Other Non-Chemical Purposes		Value of Con- struction Con- tracts awarded in Canada (a)
	short tons	\$	short tons	\$	\$
1930	351,443	2,596,112	139,359	1,442,586	456,999,600
1931	251,837	1,637,319	112,948	1,127,098	315,482,000
1932	255,472	1,758,898	65,178	635,639	132,872,400
1933	235,810	1,664,946	87,730	767,360	97,289,800
1934	229,906	1,598,906	138,207	1,146,891	125,811,500
1935	260,885	1,775,657	144,534	1,150,134	160,305,000
1936	389,324(b)	2,670,266	79,077	665,704	162,588,000
1937	466,796(c)	3,112,147	82,557	712,770	224,056,700

(a) Compiled by McLean Building Reports Ltd.

(b) 349,940 short tons quicklime; 39,384 short tons hydrated lime.

(c) 421,867 tons quicklime and 44,929 short tons hydrated lime.

Table 8 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1937, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD.

	Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	CANADA
(1 ton = 2,000 pounds)						
<u>QUICKLIME</u>						
Building trades -						
Finishing lime ton	...	1	598	2,694	...	3,293
	\$	8	5,598	25,435	...	31,041
Masons' lime ton	880	4,206	6,494	1,764	...	13,344
	\$	7,161	42,003	46,864	15,174	111,202
Sand-lime brick ton	...	1,131	6,144	...	...	7,275
	\$	...	5,093	41,151	...	46,244
Agriculture ton	589	3	...	...	...	592
	\$	4,379	31	...	...	4,410
<u>CHEMICAL -</u>						
Smelters ton	...	1,696	996	795	...	3,487
	\$	...	17,872	6,163	7,951	31,986
Iron and steel mills ton	18,739	201	14,702	3,840	558	38,040
(a)	\$	158,087	1,822	102,925	30,723	2,522
Cyanide mills (gold ton	75	2,893	31,204	1,415	727	36,314
mines)	\$	750	20,035	199,188	18,241	5,036
Pulp and paper mills ton	6,940	59,218	8,006	10,212	14,176	98,552
	\$	51,609	308,854	47,343	69,512	90,982
Glass works ton	...	...	7,612	75	...	7,687
	\$	...	...	53,098	795	...
Sugar refineries ... ton	250	49	4,035	7,179	...	11,513
	\$	2,250	522	43,434	59,585	...
Tanneries ton	...	264	3,076	...	...	3,340
	\$	...	2,615	21,012	...	...
Fertilizers ton	...	...	286	...	...	286
	\$	...	...	2,288	...	...
Insecticides ton	...	...	909	...	120	1,029
	\$	...	...	6,499	...	542
Other chemical works ton	...	42,028	179,229	362	...	221,619
	\$	...	332,736	1,254,590	2,899	...
Dealers - Uses Un- ton	1,446	5,053	4,727	140	7,218	18,584
specified .	\$	11,568	37,529	41,891	1,934	32,625
Other consumers ton	...	1,297	286	...	...	1,583
	\$	...	9,096	2,361	...	...
TOTAL QUICKLIME ... ton	28,919	118,040	268,304	28,476	22,799	466,538
	\$	235,804	778,216	1,874,405	232,249	131,709
						3,252,383

HYDRATED LIME

Building trades -						
Finishing lime ton	...	...	10,740	4,618	...	15,358
	\$	...	...	123,009	73,695	...
Masons' lime ton	275	448	3,606	...	...	4,329
	\$	2,465	2,246	29,158	...	...
Sand-lime brick ton	...	...	...	...	...	...
	\$
Agriculture ton	635	652	1,234	...	2,700	5,221
	\$	5,900	3,940	12,282	...	12,204

Table 8 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1937, SHOWING PURPOSES FOR WHICH USED(x) OR SOLD. (Concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Mani- toba and Al- berta	British Columbia	CANADA
<u>HYDRATED LIME</u> (concluded)		(1 ton = 2,000 pounds)					
CHEMICAL -							
Smelters	ton	...	325	300	...	728	1,353
	\$	...	1,625	3,417	...	3,290	8,332
Iron and steel mills	ton	...	5,715	35	...	...	5,750
	\$	...	17,915	368	...	...	18,283
Cyanide mills	ton	...	670	215	...	10	895
	\$	...	3,350	2,470	...	45	5,865
Pulp and paper mills	ton	6,925	26,295	273	...	...	33,493
	\$	48,500	73,922	2,870	...	...	125,292
Glass works	ton	...	...	...	...	...	...
	\$
Sugar refineries ...	ton	5	107	...	...	...	112
	\$	43	853	...	...	...	896
Tanneries	ton	...	456	378	...	...	834
	\$	...	3,388	4,025	...	...	7,413
Fertilizers	ton	353	205	40	...	...	598
	\$	3,883	1,230	420	...	...	5,533
Insecticides	ton	...	...	30	...	19	49
	\$	...	...	295	...	86	381
Other chemical works	ton	...	898	793	154	...	1,845
	\$	...	6,261	8,710	2,699	...	17,670
Dealers - Uses Un- specified	ton	444	1,341	8,427	...	1,483	11,695
	\$	3,552	10,390	90,050	...	6,703	110,695
Other consumers	ton	30	1,161	92	...	...	1,283
	\$	330	5,780	1,165	...	...	7,275
TOTAL HYDRATED LIME	ton	8,667	38,273	26,163	4,772	4,940	82,815
	\$	64,673	130,900	278,239	76,394	22,328	572,534
GRAND TOTAL	ton	37,586	156,313	294,467	33,248	27,739	549,353
	\$	300,477	909,116	2,152,644	308,643	154,037	3,824,917

(a) Includes calcined dolomite used as a refractory material.

(x) Not necessarily consumed in provinces where produced.

Table 9 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1936, SHOWING PURPOSES FOR WHICH USED(x) OR SOLD.

		Nova Scotia and New Brunswick	Quebec	Ontario	Mani- toba and Al- berta	British Columbia	CANADA
<u>QUICKLIME</u>		(1 ton = 2,000 pounds)					
Building trades -							
Finishing lime	ton	...	141	216	1,613	...	1,970
	\$	...	1,380	1,726	16,034	...	19,140
Masons' lime	ton	809	3,629	10,083	478	...	14,999
	\$	6,353	33,217	69,150	4,225	...	112,945
Sand-lime brick	ton	...	891	6,357	...	...	7,248
	\$	...	3,712	41,674	...	...	45,386

Table 9 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1936, SHOWING PURPOSES FOR WHICH USED(x) OR SOLD.

	Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	CANADA
(1 ton = 2,000 pounds)						
<u>QUICKLIME (concluded)</u>						
Agriculture	ton 930	...	199	...	...	1,129
	\$ 4,844	...	1,141	...	...	5,985
<u>CHEMICAL -</u>						
Smelters	ton ...	1,638	544	799	...	2,981
	\$...	15,639	3,418	7,988	...	27,045
Iron and steel mills	ton 15,623	241	10,520	4,397	605	31,386
(a)	\$ 117,469	2,132	74,757	35,179	2,807	232,344
Cyanide mills (gold	ton 50	...	28,040	1,057	804	29,951
mines)	\$ 510	...	201,655	12,775	7,177	222,117
Pulp and paper mills	ton 7,199	54,244	5,372	9,570	11,605	87,990
	\$ 52,168	280,958	32,555	63,442	77,687	506,810
Glass works	ton ...	...	6,268	109	...	6,377
	\$ ...	...	43,332	978	...	44,310
Sugar refineries ...	ton 225	9	7,780	6,424	...	14,438
	\$ 1,750	67	65,155	51,392	...	118,364
Tanneries	ton ...	372	3,162	...	...	3,534
	\$...	3,711	22,251	...	...	25,962
Fertilizers	ton ...	...	367	...	...	367
	\$ ...	...	2,569	...	...	2,569
Insecticides	ton ...	...	970	...	...	970
	\$ ...	...	6,790	...	...	6,790
Other chemical works	ton ...	33,767	138,028	151	...	171,946
	\$...	218,892	1,092,611	1,260	...	1,312,762
Dealers - Uses Un-	ton 1,331	3,323	1,077	1,305	6,871	13,907
specified .	\$ 10,648	25,733	8,009	12,180	31,892	88,462
Other consumers	ton ...	1,056	960	290	...	2,306
	\$...	7,392	8,058	3,530	...	18,980
TOTAL QUICKLIME ...	ton 26,167	99,311	219,943	26,193	19,885	391,499
	\$ 193,742	592,833	1,674,851	208,983	119,563	2,789,972

HYDRATED LIME

<u>Building trades -</u>						
Finishing lime	ton 12	5	16,322	4,573	...	20,912
	\$ 135	50	180,781	78,163	...	259,129
Masons' lime	ton 318	393	6,537	...	...	7,248
	\$ 3,064	1,982	51,124	...	...	56,170
Sand-lime brick	ton ...	...	...	...	...	...
	\$
Agriculture	ton 530	807	1,198	...	2,370	4,905
	\$ 4,750	4,985	11,878	...	8,435	30,048

CHEMICAL -

Smelters	ton ...	480	118	...	480	1,078
	\$...	2,715	1,216	...	1,708	5,639
Iron and steel mills	ton ...	3,306	12	...	...	3,318
	\$...	10,123	126	...	...	10,249
Cyanide mills	ton ...	3,033	...	...	...	3,033
	\$...	15,019	...	...	...	15,019

Table 9 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1936, SHOWING PURPOSES FOR WHICH USED OR SOLD(x). (Concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	CANADA
(1 ton = 2,000 pounds)							
<u>HYDRATED LIME</u> (concluded)							
<u>CHEMICAL</u> (concluded) -							
Pulp and paper mills	ton	5,700	22,126	939	...	40	28,805
	\$	38,000	65,134	9,532	...	143	112,809
Glass works	ton	...	...	...	...	...	...
	\$
Sugar refineries	ton	10	396	...	...	...	406
	\$	90	2,079	...	...	...	2,169
Tanneries	ton	...	319	266	...	...	585
	\$	...	2,259	2,793	...	...	5,052
Fertilizers	ton	...	110	40	...	...	150
	\$	...	660	420	...	...	1,080
Insecticides	ton	398	...	...	...	...	398
	\$	4,497	...	...	...	...	4,497
Other chemical works	ton	...	804	774	33	...	1,611
	\$	...	6,034	8,067	577	...	14,678
Dealers - Uses Un-specified	ton	371	1,233	98	...	1,384	3,086
	\$	2,968	10,052	1,072	...	4,936	19,028
Other consumers	ton	...	931	346	90	...	1,367
	\$	...	4,660	4,200	1,571	...	10,431
TOTAL HYDRATED LIME	ton	7,339	53,943	26,650	4,696	4,274	76,902
	\$	53,504	125,752	271,209	80,311	15,222	545,998
GRAND TOTAL	ton	33,506	132,254	246,593	30,889	24,159	468,401
	\$	247,246	718,585	1,946,060	289,294	154,785	3,335,970

(a) Includes calcined dolomite used as a refractory material.

(x) Not necessarily consumed in provinces where produced.

Table 10 - IMPORTS INTO CANADA AND EXPORTS OF LIME AND VARIOUS LIME COMPOUNDS, 1936 and 1937.

		1936		1937	
		Quantity	Value	Quantity	Value
			\$		\$
<u>IMPORTS</u> -					
Lime	Cwt.	18,763	12,036	100,331(a)	32,379
Calcium chloride in packages of not less than 25 pounds	lb.	638,400	5,778	877,000	7,611
Calcium chloride in packages of less than 25 pounds	lb.	197	57	816	439
Calcium chloride not in solution for road treating purposes	lb.	24,053,800	227,429	6,621,600	61,689
Calcium arsenate	lb.	276,552	16,372	71,168	4,305
Chloride of lime and hypochlorite of lime in packages not less than 25 pounds	lb.	1,010,100	30,527	627,000	26,625
Chloride of lime and hypochlorite of lime in packages of less than 25 pounds	lb.	46,654	5,463	45,858	5,369
<u>EXPORTS</u> -					
Lime	cwt.	233,328	97,574	207,467	85,489
Acetate of lime	cwt.	63,550	83,620	34,415	48,906

(a) All from the United States.

Cwt. = 100 pounds.

OPERATORS IN CANADIAN LIME INDUSTRY, 1957.

<u>Name of Operator</u>	<u>Head Office Address</u>	<u>Plant Location</u>
<u>NOVA SCOTIA -</u>		
Dominion Steel & Coal Corp. Ltd.	Sydney(b)	Sydney
Eastern Lime Co. Ltd.	Windsor(a)	Windsor
<u>NEW BRUNSWICK -</u>		
Bathurst Power and Paper Co. Ltd.	Bathurst(a)	Bathurst
Purdy & Green, Ltd.	323 Main St., Saint John(a)	Saint John
Randolph & Baker, Ltd.	Randolph(a)(b)	Randolph
Snowflake Lime Ltd.	3 Pokiok Road, Saint John(a)(b)	Saint John
<u>QUEBEC -</u>		
Arnaud & Beaudry	Joliette	Joliette
Boivin, Arthur	Pont Rouge	Pont Rouge
Canada Lime & Stone, Ltd.	St. Marc des Carrieres	St. Marc des Carrieres
Carswell, Robt. B.	Bryson	Bryson
Côté, Xavier	Métabetchouan(a)	Métabetchouan
Desfonds, Gaspard	St. Cuthbert	St. Cuthbert
Dominion Lime Ltd.	Lime Ridge(a)	Lime Ridge
Filion, Narcisse	St. Joachim	St. Joachim
Gagné, Octave	St. Ulric	St. Ulric
Héon and Héon	St. Louis de Champlain	St. Louis de Champlain
Lalumière, Joseph	St. Dominique de Bagot	St. Dominique de Bagot
La Trappe de N. D. de Mistassini	Village des Peres(a)	St. Eugène d'Argentenay
Limoges, Henri	552 Pouport St., Montreal(a)	St. Michel
Mercure, C.	9 rue St. Denis, St. Hyacinthe(a)	St. Dominique de Bagot
National Stone & Lime Co.	5181 rue Décelles, Montreal(a)	St. Marc des Carrieres
Shawinigan Chemicals Ltd.	107 Craig St., Montreal(a)	Shawinigan Falls
Standard Lime Co. Ltd.	Joliette(a)	St. Paul de Joliette, St. Marc des Carrieres
St. Michel Lime Co.	Ville St. Michel(a)	Ville St. Michel
Trottier, David	St. Marc des Carrieres	St. Marc des Carrieres
Villeneuve, R.	St. Jerome(a)	St. Jerome
<u>ONTARIO -</u>		
Bell, Harry	R. R. 4, Chesley	Grey County
Brown's Lime Works	Owen Sound(b)	Owen Sound
Brunner, Mond Canada, Limited	Canadian Bank of Commerce Bldg., Toronto(a)	Amherstburg Dist.
Cameron, W. M.	Carleton Place(a)	Carleton Place
Canada and Dominion Sugar Co. Ltd.	Chatham(a)	Chatham, Wallaceburg
Canada Lime Co.	Coboconk(a)	Victoria Co.
Canadian Gypsum Co. Ltd.	1221 Bay St., Toronto	Guelph
Chalmers Lime Works	Ower Sound(b)	Owen Sound

OPERATORS IN CANADIAN LIME INDUSTRY, 1937 (concluded)

<u>Name of Operator</u>	<u>Head Office Address</u>	<u>Plant Location</u>
<u>ONTARIO - (concluded)</u>		
Dominion Rock Products Ltd.	941 Dominion Square Bldg., Montreal, P.Q.(a)	Eganville
Electro Metallurgical Company of Canada, Limited	Canada Life Building Toronto(a)	Welland
Gypsum, Lime & Alabastine, Canada, Ltd.	Paris(a)(b)	Beachville, Hespeler, Milton
Innerkip Lime & Stone Co. Ltd.	Beachville(a)	Beachville
Jamieson Lime Co.	Renfrew(a)	Renfrew County
North American Cyanamid Ltd.	1908 Royal Bank Bldg., Toronto(a)	Niagara Falls
Rockwood Lime Co.	Box 46, Rockwood(b)	Rockwood
Shane Lime and Charcoal Co. Ltd.	Eganville(a)	Fourth Chute
<u>MANITOBA -</u>		
Gillis Quarries Ltd.	Richard and Spruce Sts., Winnipeg(a)(b)	Garson, Poplarfield
Gypsum, Lime & Alabastine, Canada, Ltd.	Paris, Ontario(a)(b)	Winnipeg
Winnipeg Supply & Fuel Co. Ltd.	812 Boyd Bldg., Winnipeg(a)(b)	Spearhill, Stone- wall.
<u>ALBERTA -</u>		
Canadian Sugar Factories Ltd.	Raymond(a)	Raymond
Loders Lime Co. Ltd.	Kananaskis	Kananaskis
Summit Lime Works	Box 273, Lethbridge(a)	Lethbridge Dist.
<u>BRITISH COLUMBIA -</u>		
Lyon, F. (x)	Hedley	Hedley
Pacific Lime Co. Ltd.	744 West Hastings St., Vancouver(a)	Texada Island
Pacific Mills Ltd.	Raymur Ave., Vancouver(a)	Ocean Falls.

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- (x) Operator for Kelowna Exploration Co. Ltd.
- (a) Use calcium or high calcium limestone.
- (b) Use dolomite or dolomitic limestone.

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