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LIME INDUSTRY, 1938

Production of quick and hydrated lime in Canada during 1938 totalled 486,922 short tons valued at \$3,542,652 compared with 549,353 short tons at \$3,824,917 in 1937. The 1938 output comprised 415,761 short tons of quick lime valued at \$2,953,091 and 71,161 short tons of hydrated lime worth \$589,561. During the year under review, 373,278 tons of quick lime and 30,547 tons of hydrated lime were sold or used by lime producers for chemical purposes while the balance of Canadian lime production, total-ling 83,097 tons and consisting of both quick and hydrated was sold or used for build- ing, agricultural and other purposes.

Stone used in the production of lime in Canada included calcium, high calcium and dolomitic varieties of limestone. It is estimated that nearly 900,000 tons of limestone was used in the production of lime in 1938. Lime was produced in all Canadian provinces in 1938 with the exception of Prince Edward Island and Saskat- chewan; no commercial production was reported in the Territories. Of the total Canadian output of lime in 1938, Ontario plants produced 270,478 tons or 55.5 per cent and Quebec 137,314 tons or 28.2 per cent. Imports of lime into Canada in 1938 came entirely from the United States and totalled 6,652 short tons valued at \$36,248; exports of lime during the same period amounted to 6,381 tons at \$51,346.

During 1938 the industry reported 53 plants as active, capital employed totalled \$4,881,214 and \$795,068 in salaries and wages were distributed to 867 em- ployees. The cost of fuels and purchased electricity used amounted to \$826,230 and the value of explosives, chemicals and other process supplies consumed aggregated \$113,759.

The following information relating to Canadian lime production is from a report issued recently by the Department of Mines and Resources, Ottawa:

"During 1938 natural gas was made available in the Beachville, Ontario, area and both of the large plants producing chemical lime at Beachville are now using it for fuel instead of coal.

"A large new market for white, high-calcium lime has been opened up by the use of calcium carbonate filler in place of imported clay in newsprint and magazine paper. Its manufacture in Canada was begun in 1937. At present the paper companies using it purchase the quicklime and make the carbonate filler at their own plants. This filler also has other uses, and preparations to manufacture it in 1939 to supply these other uses have been made by a newly incorporated company.

"Aged lime putty and lime mortar for use in building construction are now available in a number of Canadian cities. Lime mortar is coming back into favour as a binder in masonry, and sales of lime for construction may be expected to increase.

"There are many prospective lime-producing localities in Canada owing to the abundance of suitable limestone throughout the country, and considerable interest has been taken recently in deposits of high-calcium limestone in northern Ontario because of their proximity to mines and pulp mills.

"Lime is marketed in the form of quicklime and in the hydrated state, the latter being a specially prepared slaked lime in the form of fine powder and marketed in 50-pound, multi-wall paper bags. Quicklime, which comprises about 80 per cent of the total sales, is marketed in the lump, pebble, crushed, and pulverized forms; lump lime and pebble lime are sold either 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. In these various forms lime finds a multitude of uses in chemical and metallurgical processes and in construction, agriculture, and other industries. Lime is one of the great basic raw materials for the chemical industry, and of the current production about 85 per cent is used in chemical processes, thus the old conception of lime as being primarily a structural material is no longer true.

"Prices of the various lime products vary over a wide range depending on the geographical location of the plants and on differences in quality of the lime. There were no significant changes in prices of lime during 1938."

Table 1 - PRINCIPAL STATISTICS OF THE LIME INDUSTRY IN CANADA, 1937 and 1938

	1937	1938
Number of firms .....	52	48
Number of plants .....	57	53
Capital employed .....	\$ 4,931,831	4,881,214
Number of employees - On salary .....	74	77
On wages .....	798	790
Total .....	872	867
Salaries and wages - Salaries .....	\$ 108,195	112,998
Wages .....	\$ 673,079	682,070
Total .....	\$ 781,274	795,068
Selling value of products (gross) .....	\$ 3,824,917	3,542,652
Cost of fuel and electricity .....	\$ 871,131	826,230
Process supplies used .....	\$ 167,827	113,759
Selling value of products (net) .....	\$ 2,785,959	2,602,663

Table 2 - CAPITAL EMPLOYED IN THE LIME INDUSTRY IN CANADA, BY PROVINCES, 1938

Province	Capital employed as represented by:					TOTAL
	Present cash value of land	Present value of buildings, fixtures, machinery, tools & other equipment	Inventory value of stone on hand, fuel and miscellaneous supplies on hand	Inventory value of finished products on hand	Operating capital (cash bills and accounts receivable, prepaid expenses, etc.)	
New Brunswick*	\$ 69,587	\$ 115,300	\$ 13,210	\$ 7,913	\$ 29,795	\$ 235,805
Quebec .....	400,862	635,701	124,282	6,354	201,431	1,368,630
Ontario .....	204,738	1,771,144	181,318	15,052	24,813	2,197,065
Manitoba .....	(a)	505,597	28,376	8,808	3,000	545,781
Alberta .....	2,500	130,175	7,494	6,940	30,774	177,883
British Columbia	5,000	248,846	58,627	12,069	31,508	356,050
CANADA .....	682,687	3,406,763	413,307	57,136	321,321	4,881,214

\* Includes data for 2 firms in Nova Scotia. (a) Not recorded.

Table 2 - NUMBER OF FIRMS, EMPLOYEES, SALARIES AND WAGES AND LIME (QUICK and HYDRATED) SOLD OR USED, BY PROVINCES, 1936, 1937 and 1938

Province	Number of Firms	Number of employ-ees	Salaries and Wages	Fuel, elec- tricity and process sup- plies used	PRODUCTION	
					Tons of Lime, Sold or Used	Value (Gross)
			\$	\$		\$
<u>1 9 3 6</u>						
New Brunswick(✓)	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
<u>1 9 3 7</u>						
New Brunswick(✓)	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
<u>1 9 3 8</u>						
New Brunswick(✓)	5	103	99,090	55,640	27,598	230,204
Quebec .....	19	317	253,422	282,127	137,314	843,331
Ontario .....	15	248	266,790	454,058	270,478	1,989,259
Manitoba .....	3	80	67,060	77,092	19,824	198,685
Alberta .....	3	23	28,990	26,128	12,053	107,012
British Columbia	3	96	79,716	44,944	19,655	174,161
CANADA .....	48	867	795,068	939,989	486,922	3,542,652

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

Table 4 - NUMBER OF WAGE-EARNERS WHO WORKED THE NUMBER OF HOURS SPECIFIED, DURING ONE WEEK IN MONTH OF NORMAL EMPLOYMENT, NOT INCLUDING OVERTIME

Hours	1 9 3 8		Hours	1 9 3 8	
	No.			No.	
30 hours or less .....	25		51 - 54 hours .....		145
31 - 43 hours .....	54		55 hours .....		113
44 hours .....	56		56 - 64 hours .....		166
45 - 47 hours .....	5		65 hours and over .....		64
48 hours .....	263		GRAND TOTAL .....		924
49 - 50 hours .....	33		Total wages paid in that week \$		14,530

Table 5 - NUMBER OF WAGE-EARNERS ON PAYROLL OR TIME RECORD ON THE 15th OF EACH MONTH OR NEAREST REPRESENTATIVE DATE, 1935 - 1938

Month	1935		1936		1937		1938	
	Quarry	Kiln	Quarry	Kiln	Quarry	Kiln	Quarry	Kiln
January .....	187	351	240	363	235	397	266	463
February .....	186	337	240	354	251	434	242	488
March .....	221	363	254	376	269	429	278	472
April .....	240	391	281	428	305	483	298	491
May .....	292	447	293	477	323	540	329	524
June .....	284	453	318	509	328	550	341	456
July .....	298	476	306	483	327	565	341	482
August .....	303	428	293	465	328	511	333	487
September ...	302	455	293	463	308	560	318	480
October .....	323	494	308	489	284	590	302	519
November .....	264	476	273	475	273	548	286	503
December .....	224	432	263	422	250	440	263	448

Table 6 - FUEL AND ELECTRICITY USED IN THE LIME INDUSTRY IN CANADA, 1937 and 1938

Kind	Unit of measure	1937		1938	
		Quantity	Value	Quantity	Value
Bituminous coal - Canadian ...	short ton	37,588	224,911	36,792	218,943
Imported ...	short ton	67,647	339,817	50,896	256,292
Anthracite coal .....	short ton	111	619	21	116
Lignite coal .....	short ton	84	311	80	299
Coke .....	short ton	12,211	89,698	12,545	89,884
Gasoline .....	Imp. gal.	38,923	8,665	38,694	8,885
Kerosene .....	Imp. gal.	1,590	189	30	9
Fuel oil and diesel oil .....	Imp. gal.	550,554	24,060	304,496	13,775
Wood .....	cord	46,078	134,499	55,465	189,503
Other fuel .....	xxx	...	4	...	...
Electricity purchased .....	K.W.H.	8,604,644	48,358	7,807,485	48,524
TOTAL .....	\$	...	871,131	...	826,230

Electricity generated for own use in 1938 totalled 1,312,711 K.W.H. and 556,628 K.W.H. in 1937.

Table 7 - POWER EQUIPMENT IN CANADIAN LIME PLANTS, 1938

	Number of units (x)	Total rated horse power
Steam engines and steam turbines .....	8	165
Diesel engines .....	4	376
Other internal combustion engines .....	19	519
Hydraulic water wheels .....	-	-
Electric motors .....	326	6,278
Boilers .....	19	1,427

(x) Includes reserve equipment.

Table 8 - PRODUCTION OF LIME IN CANADA, 1929 - 1938

Year	Short tons	Value \$	Year	Short tons	Value \$
1929 .....	674,087	5,908,610	1934 .....	368,113	2,745,797
1930 .....	490,802	4,038,698	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
1933 .....	323,540	2,432,306	1938 .....	486,922	3,542,652

Table 9 - PRODUCTION OF LIME IN CANADA, 1912 - 1921

Year	Short tons	Value \$	Year	Short tons	Value \$
1912 .....	296,654	1,844,849	1917 .....	229,851	1,558,487
1913 .....	264,547	1,609,398	1918 .....	222,738	1,876,025
1914 .....	246,000	1,360,628	1919 .....	250,163	2,310,607
1915 .....	176,654	1,015,702	1920 .....	329,957	3,818,553
1916 .....	192,246	1,091,463	1921 .....	240,767	2,781,197

Imports of lime into Canada during 1912 were appraised at \$162,593 compared with \$53,745 in 1918. Exports of lime from Canada in 1912 were valued at \$35,097 as against \$70,930 in 1918.

Table 10 - LIME SOLD OR USED FOR CHEMICAL AND OTHER PURPOSES AND VALUE OF CONTRACTS IN CANADA, 1930 - 1938

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 .....	231,837	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
1938 .....	403,825(d)	2,746,927	83,097	795,725	187,277,900

(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.

(d) 373,278 tons quicklime and 30,547 short tons hydrated lime.

Table 11 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1938, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	TOTAL
(1 ton - 2,000 pounds)							
<u>QUICKLIME</u>							
Building trades -							
Finishing lime .....	ton	-	10	2,600	2,122	250	4,982
	\$	-	198	15,800	20,645	6,750	43,393
Masons' lime .....	ton	685	5,780	4,539	1,467	-	12,471
	\$	5,980	60,405	36,854	14,159	-	117,398
Sand-lime brick .....	ton	-	1,316	5,048	-	-	6,364
	\$	-	6,041	33,660	-	-	39,701
Agriculture .....	ton	200	42	-	-	40	282
	\$	2,160	303	-	-	160	2,623
<u>CHEMICAL -</u>							
Smelters (non-ferrous)	ton	-	-	1,052	1,991	-	3,043
	\$	-	-	5,672	19,905	-	25,577
Iron and steel mills	ton	13,306	495	12,298	4,136	357	30,592
(a)	\$	118,932	3,793	86,936	33,088	3,497	246,246
Cyanide mills (gold	ton	50	5,218	28,077	730	941	35,016
mines)	\$	500	39,517	179,761	8,285	9,218	237,281
Pulp and paper mills	ton	5,520	60,474	6,652	7,061	7,686	87,393
	\$	42,155	324,418	42,437	48,162	69,343	526,515
Glass works .....	ton	-	-	6,985	885	-	7,870
	\$	-	-	46,223	6,197	-	52,420
Sugar refineries ...	ton	250	34	5,577	7,734	15	13,610
	\$	2,200	298	53,983	64,192	147	120,720
Tanneries .....	ton	-	709	2,684	-	-	3,393
	\$	-	5,271	18,529	-	-	23,800
Fertilizers .....	ton	-	-	171	-	-	171
	\$	-	-	1,211	-	-	1,211
Insecticides .....	ton	-	-	864	-	96	960
	\$	-	-	6,084	-	940	7,024
Other chemical works	ton	-	30,946	160,154	130	-	191,230
	\$	-	225,072	1,119,744	1,719	-	1,346,535
Dealers - Uses Un-	ton	1,553	3,562	5,858	1,088	5,133	17,194
specified, ..	\$	12,424	33,205	44,921	12,333	50,292	153,175
Other consumers .....	ton	-	1,120	70	-	-	1,190
	\$	-	8,960	512	-	-	9,472
TOTAL QUICKLIME ...	ton	21,564	109,706	242,629	27,344	14,518	415,761
	\$	184,351	707,481	1,692,227	228,685	140,347	2,953,091
<u>HYDRATED LIME</u>							
Building trades -							
Finishing lime .....	ton	-	-	10,732	4,335	-	15,067
	\$	-	-	120,306	73,553	-	193,859
Masons' lime .....	ton	148	1,066	4,032	-	-	5,246
	\$	1,480	13,753	32,526	-	-	47,759
Sand-lime brick .....	ton	-	-	-	-	-	-
	\$	-	-	-	-	-	-
Agriculture .....	ton	660	685	1,533	-	2,980	5,858
	\$	6,200	4,685	15,392	-	19,614	45,891

Table 11 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1938, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD. (Concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	CANADA
(1 ton = 2,000 pounds)							
<u>HYDRATED LIME (concluded)</u>							
CHEMICAL -							
Smelters (non-ferrous)	ton	-	255	85	-	971	1,311
	\$	-	1,590	1,055	-	6,391	9,036
Iron and steel mills	ton	-	13,551	23	-	-	13,574
	\$	-	40,653	245	-	-	40,898
Cyanide mills .....	ton	25	1,210	223	-	-	1,458
	\$	250	5,930	2,594	-	-	8,774
Pulp and paper mills	ton	4,150	6,287	111	-	-	10,548
	\$	29,500	35,884	1,100	-	-	66,284
Glass works .....	ton	-	-	-	-	-	-
	\$	-	-	-	-	-	-
Sugar refineries ...	ton	20	96	15	-	-	131
	\$	175	796	157	-	-	1,128
Tanneries .....	ton	-	392	248	-	-	640
	\$	-	2,989	2,684	-	-	5,673
Fertilizers .....	ton	-	150	34	-	-	184
	\$	-	900	354	-	-	1,254
Insecticides .....	ton	402	-	30	-	35	467
	\$	3,216	-	290	-	231	3,737
Other chemical works	ton	-	927	1,109	198	-	2,234
	\$	-	7,230	12,125	3,459	-	22,814
Dealers - Uses Un- specified	ton	629	1,706	9,613	-	1,151	13,099
	\$	5,032	14,509	107,471	-	7,578	134,590
Other consumers .....	ton	-	1,283	61	-	-	1,344
	\$	-	7,131	733	-	-	7,864
<b>TOTAL HYDRATED LIME.</b>	ton	6,034	27,608	27,849	4,533	5,137	71,161
	\$	45,853	135,850	297,032	77,012	33,814	589,561
<b>GRAND TOTAL .....</b>	ton	27,598	137,314	270,478	31,877	19,655	486,922
	\$	230,204	843,331	1,989,259	305,697	174,161	3,542,652

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

(x) Not necessarily consumed in provinces where produced.

Table 11 - 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

Table 11 - PRODUCTION OF LIME IN CANADA, BY PROVINCES. 1937, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD - (Continued)

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	CANADA
<b>QUICKLIME</b>		(1 ton = 2,000 pounds)					
Building trades -							
Agriculture .....	ton	589	3	-	-	-	592
	\$	4,379	31	-	-	-	4,410
<b>CHEMICAL -</b>							
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	296,079
Cyanide mills (gold mines)	ton	75	2,893	31,204	1,415	727	36,314
	\$	750	20,035	199,188	18,241	5,038	243,252
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	568,300
Glass works .....	ton	-	-	7,612	75	-	7,687
	\$	-	-	53,098	795	-	53,893
Sugar refineries ...	ton	250	49	4,035	7,179	-	11,513
	\$	2,250	522	43,434	59,585	-	105,791
Tanneries .....	ton	-	264	3,076	-	-	3,340
	\$	-	2,615	21,012	-	-	23,627
Fertilizers .....	ton	-	-	286	-	-	286
	\$	-	-	2,288	-	-	2,288
Insecticides .....	ton	-	-	909	-	120	1,029
	\$	-	-	6,499	-	542	7,041
Other chemical works	ton	-	42,028	179,229	362	-	221,619
	\$	-	332,736	1,254,590	2,899	-	1,590,225
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	125,547
Other consumers .....	ton	-	1,297	286	-	-	1,583
	\$	-	9,096	2,361	-	-	11,457
<b>TOTAL QUICKLIME ..</b>	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
<b>HYDRATED LIME</b>							
Building trades -							
Finishing lime .....	ton	-	-	10,740	4,618	-	15,358
	\$	-	-	123,009	73,695	-	196,704
Masons' lime .....	ton	275	448	3,606	-	-	4,329
	\$	2,465	2,246	29,158	-	-	33,869
Sand-lime brick ....	ton	-	-	-	-	-	-
	\$	-	-	-	-	-	-
Agriculture .....	ton	635	652	1,234	-	2,700	5,221
	\$	5,900	3,940	12,282	-	12,204	34,326
<b>CHEMICAL -</b>							
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



Table 11 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1937, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD - (Concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	CANADA
<u>HYDRATED LIME</u> (concluded)		(1 ton = 2,000 pounds)					
CHEMICAL -							
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 12 - IMPORTS INTO CANADA AND EXPORTS OF LIME AND VARIOUS LIME COMPOUNDS, 1937 and 1938

		1937		1938	
		Quantity	Value	Quantity	Value
<u>IMPORTS</u> -					
Lime .....	cwt.	100,331(a)	32,379	133,050(a)	36,248
Calcium chloride in packages of not less than 25 pounds .....	lb.	823,900	7,134	383,900	4,121
Calcium chloride in packages of less than 25 pounds .....	lb.	816	439	1,263	185
Calcium chloride not in solution for road treating purposes .....	lb.	6,621,600	61,689	15,283,100	148,581
Calcium arsenate .....	lb.	71,168	4,305	37,068	3,507
Chloride of lime and hypochlorite of lime in packages not less than 25 pounds .....	lb.	627,000	26,625	345,100	22,566
Chloride of lime and hypochlorite of lime in packages of less than 25 pounds .....	lb.	45,858	5,369	39,280	4,726
<u>EXPORTS</u> -					
Lime .....	cwt.	202,987	85,089	127,615	51,346
Acetate of lime .....	cwt.	34,415	48,906	41,208	44,910

(a) All from the United States.

OPERATORS IN CANADIAN LIME INDUSTRY, 1938

<u>Name of Operator</u>	<u>Head Office Address</u>	<u>Plant Location</u>
<u>NOVA SCOTIA -</u>		
Dominion Steel & Coal Corp. Ltd.(b)	Sydney	Sydney
Eastern Lime Co. Ltd.(a) (b)	Windsor	Windsor
<u>NEW BRUNSWICK -</u>		
Bathurst Power and Paper Co. Ltd.(a)	Bathurst	Bathurst
Purdy & Green, Ltd. (a)	323 Main St., Saint John	Saint John
Randolph & Baker, Ltd. (a) (b) (c)	Randolph	Randolph
Snowflake Lime Ltd. (a) (b)	3 Pokiot Road, Saint John	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
Carriere St. Maurice Ltee	307 Alexandre, Trois Rivieres	St. Louis de France
Carswell, Robt. B.	Bryson	Bryson
Cote, Xavier (a)	Metabetchouan	Metabetchouan
Dominion Lime Ltd. (a)	East Angus	Lime Ridge
Filion, Narcisse	St. Joachim	St. Joachim
Gagne, Octave	St. Ulric	St. Ulric
Gauthier, R.	St. Marc des Carrieres	St. Marc
Heon and Heon	St. Louis de Champlain	St. Louis de Champlain
Lalumiere, Joseph	St. Dominique de Bagot	St. Dominique de Bagot
Machabee, Lucien	Ste. Anne des Plaines	Ste. Anne des Plaines
La Trappe de N. D. de Mistassini (a) (c)	Village des Peres	St. Eugene d'Argentenay
Limoges, Henri (a)	552 Pouport St., Montreal	St. Michel
Mercure, C. (a)	9 rue St. Denis, St. Hyacinthe	St. Dominique de Bagot
National Stone & Lime Co. (a)(c)	5181 rue Decelles, Montreal	St. Marc des Carrieres
Shawinigan Chemicals Ltd. (a)	Box 6072, Montreal	Shawinigan Falls
Standard Lime Co. Ltd. (a)	Joliette	St. Paul de Joliette, St.Marc des Carrieres
St. Michel Lime Co. (a) (c)	Ville St. Michel	Ville St. Michel
Trottier, David	St. Marc des Carrieres	St. Marc des Carrieres
Villeneuve, R. (a)	St. Jerome	St. Jerome
<u>ONTARIO -</u>		
Bell, Harry	R. R. 4, Chesley	Grey County
Brown's Lime Works (b)	Owen Sound	Owen Sound
Brunner, Mond Canada, Limited (a)	Canadian Bank of Commerce Bldg., Toronto	Amherstburg Dist.
Cameron, W. M. (a)	Carleton Place	Carleton Place

OPERATORS IN CANADIAN LIME INDUSTRY, 1938 (Concluded)

<u>Name of Operator</u>	<u>Head Office Address</u>	<u>Plant Location</u>
<u>ONTARIO - Con.</u>		
Canada and Dominion Sugar Co. Ltd. (a)	Chatham	Chatham, Wallaceburg
Canada Lime Co. (a)	c/o National Trust Co. Ltd. 80 King St. E., Toronto	Coboconk
Canadian Gypsum Co. Ltd. (b)	1221 Bay St., Toronto	Guelph
Chalmers Lime Works (b)	Owen Sound	Owen Sound
Dominion Rock Products Ltd. (a)	941 Dominion Square Bldg., Montreal, P.Q.	Eganville
Electro Metallurgical Company of Canada, Limited (a)	Canada Life Bldg., Toronto	Welland
Gypsum, Lime & Alabastine, Canada, Ltd. (a) (b)	Paris	Beachville, Hespeler, Milton
Innerkip Lime & Stone Co. Ltd. (a)	Beachville	Beachville
Jamieson Lime Co. (a)	Renfrew	Renfrew County
North American Cyanamid Ltd. (a)	1908 Royal Bank Bldg., Toronto	Niagara Falls
Rockwood Lime Co. (b)	Box 46, Rockwood	Rockwood
Shane Lime and Charcoal Co. Ltd. (a)	Eganville	Renfrew County
<u>MANITOBA -</u>		
Gillis Quarries Ltd. (a) (b)	Richard and Spruce Sts., Winnipeg	Garson, Stonewall
Gypsum, Lime & Alabastine, Canada, Ltd. (a) (b)	Paris, Ontario	Winnipeg
Winnipeg Supply & Fuel Co. Ltd. (a) (b)	812 Boyd Bldg., Winnipeg	Spearhill, Stone- wall
<u>ALBERTA -</u>		
Canadian Sugar Factories Ltd. (a)	Raymond	Raymond
Loders Lime Co. Ltd.	Kananaskis	Kananaskis
Summit Lime Works (a)	Box 273, Lethbridge	Lethbridge Dist.
<u>BRITISH COLUMBIA -</u>		
Pacific Lime Co. Ltd. (a)	744 West Hastings St., Vancouver	Texada Island
Pacific Mills Ltd. (a)	Campbell Ave., Vancouver	Ocean Falls
Victoria Lime Co.	R. R. 1, Victoria	Parsons Bridge

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- (a) Use calcium or high calcium limestone.
- (b) Use dolomite or dolomitic limestone
- (c) No production reported in 1938.





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