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THE LIME INDUSTRY

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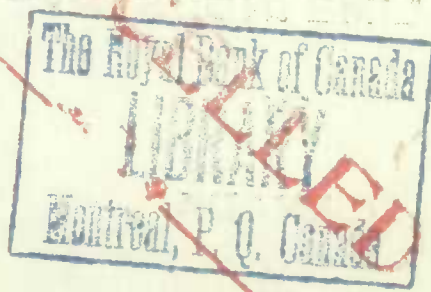
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Dominion Statistician:
 Chief - Mining, Metallurgical and Chemical Branch:
 Mining Statistician:

Herbert Marshall, B.A., F.S.S.
 W. H. Losee, B.Sc.
 R. J. McDowall, B.Sc.

LIME INDUSTRY, 1944

Production of quick and hydrated lime in Canada during 1944 totalled 885,142 short tons valued at \$6,926,844 compared with the all-time high tonnage of 907,768 tons worth \$6,832,992 in 1943. Comprising the 1944 production were 738,202 tons of quicklime valued at \$5,948,079 and 146,940 tons of hydrated worth \$978,765. During the year under review 700,708 tons of quicklime valued at \$5,545,695 and 89,576 tons of hydrated lime valued at \$413,573 were sold or used by producers for chemical manufacture, while the balance of Canadian lime production was sold or used for building, agricultural and other purposes.

Stone used in the production of lime in Canada includes calcium, high calcium and dolomitic varieties of limestone. Included in the total figures of Canadian lime production is a considerable tonnage of lime recovered as a by-product in the manufacture of chemicals or allied products. It is estimated that approximately 1,571,451 tons of limestone were consumed in the production of lime in 1944. Lime was produced during 1944 in all Canadian provinces with the exception of Prince Edward Island and Saskatchewan; no commercial production of lime in the Territories has ever been officially reported. Of the total Canadian output of lime in 1944, Ontario plants produced 429,285 short tons or 48.5 per cent and Quebec 339,082 short tons or 38.3 per cent.

Imports of lime into Canada during 1944 totalled 6,698 short tons appraised at \$34,917 compared with 9,077 short tons at \$64,303 in 1943. Exports of lime from Canada in 1944 amounted to 15,451 short tons valued at \$136,797 as against 15,391 tons worth \$133,320 in the preceding year.

During 1944 the lime industry, comprising 38 firms, reported 42 plants as active and the distribution of \$1,414,426 in salaries and wages to 815 employees. The cost of fuel and purchased electricity used amounted to \$1,752,723 and the value of explosives, chemicals, drill steel and other process supplies consumed aggregated \$168,886.

A report on lime for 1944, as prepared by the Bureau of Mines, Ottawa, contains the following information:

"Lime is manufactured in every province except Prince Edward Island, though the production in Saskatchewan is intermittent and small. Both high-calcium and dolomitic limes are produced in Nova Scotia, New Brunswick, Ontario, and Manitoba, but only high-calcium lime is made in Quebec, Alberta, and British Columbia. Ontario, the leading producer, supplies nearly one-half of the total output, Quebec being next with about 42 per cent.

"There are many prospective lime-producing localities in Canada because of the abundance of limestone throughout the country; but in the more industrialized areas, particularly in Ontario and Quebec, large unworked deposits of pure high-calcium limestone that will yield a white lime suitable for chemical purposes are becoming scarce. With the northward development of the mining industry, interest is being manifested in making lime from limestone deposits in the more northerly parts of the country.

"The demand for lime by war industries raised production above all previous records in 1943, and the decrease in output in 1944 was caused mainly by labour and fuel shortages and by the difficulty of getting replacement parts. Prior to the war a program of modernization was under way at most of the larger lime plants and this program will be proceeded with at an accelerated pace as soon as equipment becomes available.

"Prices of the various lime products vary over a wide range, depending upon the geographical position of the plants and upon difference in quality of the lime. No significant change occurred in prices of lime during 1944.

"Lime is marketed in the form of quicklime and in the hydrated state, the latter being specially prepared slaked lime in the form of fine powder that is marketed in 50-pound, multi-wall paper bags. Quicklime 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 are sold in air-tight, multi-wall paper bags. In these various forms lime has many uses in chemical and metallurgical processes, in agriculture, in construction, and for various other purposes. It is one of the great basic raw materials of the chemical industry and over 90 per cent of the present production is used in chemical processes.

"The post war outlook for the lime industry, because of its close connection with the rapidly expanding chemical and metallurgical industries, appears to be bright. New chemical uses for lime are continually appearing, and the demand for mason's lime, which has been small in recent years, should increase with the resumption of peacetime building activities."

Table 1 - PRINCIPAL STATISTICS OF THE LIME INDUSTRY IN CANADA, 1943 and 1944

	1943	1944
Number of firms	41	38
Number of plants	45	42
Capital employed	\$ 4,607,651	(x)
Number of employees - On salary	99	102
On wages	799	713
Total	898	815
Salaries and wages - Salaries	\$ 158,629	178,802
Wages	\$ 1,249,764	1,235,624
Total	\$ 1,408,393	1,414,426
Selling value of products (gross)	\$ 6,832,992	7,051,785
Cost of fuel and electricity	\$ 1,747,012	1,752,723
Process supplies used	\$ 177,470	168,886
Selling value of products (net)	\$ 4,908,510	5,005,235

(x) Data not collected.

Table 2 - NUMBER OF FIRMS, EMPLOYEES, SALARIES AND WAGES AND LIME (Quick and Hydrated) SOLD OR USED, BY PROVINCES; 1942-1944

Province	Number of firms	Number of employees	Salaries and wages	Fuel, electricity and process supplies used (A)	Production	
					Tons of lime, sold or used	Value (gross)
			\$	\$		\$
<u>1942</u>						
New Brunswick (x)	6	138	181,751	99,172	44,277	423,815
Quebec	14	399	440,289	1,432,111	348,576	2,323,707
Ontario	14	264	435,265	857,242	415,698	3,125,574
Manitoba	4	95	99,626	109,212	26,424	265,079
Alberta	4	46	70,036	45,934	18,821	155,760
British Columbia	2	80	85,353	54,889	31,034	236,904
CANADA	44	1,022	1,312,320	2,598,560	884,830	6,530,839
<u>1943</u>						
New Brunswick (x)	5	102	152,150	89,035	27,115	287,712
Quebec	15	337	429,155	661,787	382,432	2,667,391
Ontario	11	241	435,158	890,323	411,921	3,115,194
Manitoba	4	84	110,071	139,908	30,038	307,819
Alberta	4	42	63,147	43,969	18,215	149,455
British Columbia	2	92	218,712	99,460	38,047	305,421
CANADA	41	898	1,408,393	1,924,482	907,768	6,832,992
<u>1944</u>						
New Brunswick (x)	4	91	142,793	93,310	23,160	277,242
Quebec	12	307	468,083	634,151	339,082	2,547,570
Ontario	12	210	432,577	984,401	429,285	3,379,127
Manitoba	4	85	110,733	135,501	29,894	307,993
Alberta	4	44	72,778	48,974	18,352	158,957
British Columbia	2	78	187,462	150,213	44,869	380,896
CANADA	38	815	1,414,426	2,046,550	885,142	7,051,785

(x) Includes data relating to two firms in Nova Scotia in 1942 and 1943 and one in 1944.

(A) In 1944 this item includes cost of containers as reported.

Table 3 - NUMBER OF WAGE-EARNERS WHO WORKED THE NUMBER OF HOURS SPECIFIED DURING ONE WEEK IN MONTH OF HIGHEST EMPLOYMENT, INCLUDING OVERTIME, 1944

Hours	Male	Hours	Male
30 hours or less	28	51-54 hours	114
31-43 hours	46	55 hours	15
44 hours	58	56-64 hours	281
45-47 hours	21	65 hours and over	108
48 hours	140	GRAND TOTAL	852
49-50 hours	28	Total wages paid in that week \$	27,984

Table 4 - NUMBER OF WAGE-EARNERS ON PAYROLL OR TIME RECORD ON THE LAST DAY OF EACH MONTH OR NEAREST WORK DAY, 1941-1944

Month	1941		1942		1943		1944			
	Quarry	Kiln	Quarry	Kiln	Quarry	Kiln	Quarry		Kiln	
							Male	Female	Male	Female
January	300	605	285	628	322	519	242	...	469	...
February	319	630	297	619	309	501	237	...	486	...
March	343	656	314	647	275	503	248	...	498	...
April	350	665	311	640	310	509	235	...	495	...
May	375	668	318	643	281	525	237	...	486	...
June	368	674	331	637	274	529	232	...	477	...
July	379	705	327	633	266	517	242	...	468	...
August	372	666	307	604	275	506	222	...	447	...
September	375	660	299	587	260	515	229	...	453	...
October	373	674	261	631	261	541	215	...	491	...
November	365	659	271	614	261	540	237	...	486	...
December	333	631	272	590	245	507	224	...	432	...

Table 5 - FUEL AND ELECTRICITY USED IN THE LIME INDUSTRY IN CANADA, 1943 and 1944

Kind	Unit of measure	1943		1944	
		Quantity	Value	Quantity	Value
			\$		\$
Bituminous coal - Canadian ...	short ton	38,719	341,588	21,472	205,714
Imported ...	short ton	84,137	575,641	87,824	640,752
Anthracite coal	short ton	21,245	193,207	20,548	197,563
Lignite coal	short ton	...	...	347	2,686
Coke	short ton	20,641	209,008	18,425	207,286
Gasoline	Imp.gal.	94,735	27,491	111,758	32,740
Kerosene	Imp.gal.	40	8	349	88
Fuel oil and diesel oil	Imp.gal.	1,033,350	59,520	1,555,615	90,752
Wood	cord	43,232	249,317	45,417	289,634
Other fuel .....	...	...	995	...	493
Electricity purchased	K. W. H.	12,874,498	90,237	13,336,125	85,015
TOTAL .....	...	...	1,747,012	...	1,752,723

NOTE: Electricity generated for own use in 1944 totalled 2,642,217 k.w.h., and 1,865,183 k.w.h. in 1943.

Table 6 - POWER EQUIPMENT, 1944

Description	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total horse power	Number of units	Total horse power
Steam engines	5	190	...	...
Diesel engines	5	570	...	...
Gasoline, gas and oil engines, other than Diesel engines	21	695	1	100
Hydraulic turbines or water wheels	6	105	...	...
Electric motors -				
(a) Operated by purchased power	508	7,799	14	338
TOTAL	545	9,359	15	438
(b) Operated by power generated by above primary units	65	345	2	40
Stationary boilers	40	1,664	7	392

Table 7 - PRODUCTION OF LIME IN CANADA, 1931-1944

Year	Sold or Used (x)		Year	Sold	Used by producer	Total value
	Short tons	Value					Short tons	Short tons	$
1931	344,785	2,764,415	1939	288,252	263,957	4,003,514
1932	320,650	2,394,537	1940	359,180	357,550	5,194,555
1933	323,540	2,432,306	1941	451,361	409,524	6,357,941
1934	368,113	2,745,797	1942	470,882	413,948	6,530,839
1935	405,419	2,925,791	1943	484,177	423,591	6,832,992
1936	468,401	3,335,970	1944	470,035	415,107	6,926,844
1937	549,353	3,824,917				
1938	486,922	3,542,652				

(x) Separate data for Sold and Used not available until 1939.

Table 8 - LIME SOLD OR USED FOR CHEMICAL AND OTHER PURPOSES IN CANADA, 1931-1944

Year	Lime sold or used for chemical purposes				Lime sold or used for building or other non-chemical purposes			
	Quicklime		Hydrated Lime		Quicklime		Hydrated Lime	
	Short tons	\$	Short tons	\$	Short tons	\$	Short tons	\$
1931	213,782	1,469,434	18,055	167,885	65,726	595,550	47,222	531,546
1932	234,342	1,627,720	21,130	131,178	33,926	287,795	31,252	347,844
1933	207,463	1,496,271	28,347	168,675	60,464	459,451	27,266	307,909
1934	201,609	1,440,221	28,297	158,685	106,513	798,035	31,694	348,856
1935	229,597	1,596,518	31,288	179,139	112,450	828,904	32,084	321,230
1936	349,940	2,499,074	39,384	171,192	41,559	290,898	37,518	374,806
1937	421,867	2,922,482	44,929	189,665	44,671	329,901	37,886	382,869
1938	373,278	2,587,329	30,547	159,598	42,483	365,762	40,614	429,963
1939	424,287	2,887,244	30,861	172,062	50,466	439,403	46,595	504,805
1940	568,479	3,944,748	44,421	256,570	55,324	477,010	48,506	516,227
1941	665,319	4,797,078	86,202	496,531	58,545	490,633	50,819	573,699
1942	712,307	5,314,653	89,252	386,809	36,975	331,396	46,296	497,981
1943	730,499	5,642,420	94,224	381,250	35,648	347,668	47,397	461,654
1944	700,708	5,545,695	89,576	413,573	37,494	402,384	57,364	565,192

Table 9 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1943, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	TOTAL CANADA
(1 ton = 2,000 pounds)							
<u>QUICKLIME</u>							
Building trades -							
Finishing lime	ton	...	...	916	3,105	...	4,021
	\$	...	...	8,245	27,559	...	35,804
Masons' lime	ton	272	6,252	7,722	495	...	14,741
	\$	2,992	90,418	70,562	5,863	...	169,835
Sand-lime brick	ton	781	1,543	2,951	...	...	5,275
	\$	7,810	7,332	25,455	...	...	40,597
Agriculture	ton	34	77	217	...	...	328
	\$	374	1,335	1,500	...	...	3,209
<u>CHEMICAL -</u>							
Smelters (non-ferrous)	ton	...	24,914	9,364	2,133	89	36,500
	\$	...	160,844	70,653	17,114	649	249,260
Iron and steel furnaces (f)	ton	11,172	5,128	28,870	720	315	46,205
	\$	128,658	46,757	208,198	5,750	2,298	391,661
Cyanide and flotation mills	ton	...	1,870	14,049	7,858	462	24,239
	\$	...	13,148	96,840	74,220	3,370	187,578
Pulp and paper mills	ton	10,675	101,806	4,992	11,688	18,635	147,796
	\$	101,451	742,021	34,275	88,444	166,115	1,132,306
Glass works	ton	...	...	14,086	120	...	14,206
	\$	...	...	101,315	1,319	...	102,634

Table 9 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1943, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD
(Concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	TOTAL CANADA
(1 ton = 2,000 pounds)							
<u>CHEMICAL (Con.) -</u>							
Sugar refineries	ton	167	5	3,385	13,249	50	16,856
	\$	1,803	92	38,785	110,538	365	151,583
Tanneries	ton	6	565	4,524	...	...	5,095
	\$	65	4,441	31,858	...	...	36,364
Fertilizer plants	ton	...	578	184	...	...	762
	\$	...	3,951	1,351	...	...	5,302
Insecticide plants	ton	...	...	1,099	...	564	1,663
	\$	...	...	7,686	...	4,114	11,800
Other chemical works	ton	138	139,080	290,015	2,067	5,877	437,177
	\$	1,506	1,222,219	2,093,148	14,186	42,873	3,373,932
Uses unspecified	ton	...	3,976	576	1,009	5,722	11,283
	\$	...	38,735	4,200	13,546	41,742	98,223
TOTAL QUICKLIME	ton	23,245	285,794	382,950	42,444	31,714	766,147
	\$	244,659	2,331,293	2,794,071	358,539	261,526	5,990,088
<u>HYDRATED LIME</u>							
Building trades -							
Finishing lime	ton	...	517	14,847	5,350	...	20,714
	\$	...	5,226	184,823	94,145	...	284,194
Masons' lime	ton	223	5,565	6,426	...	...	12,214
	\$	2,470	16,529	59,770	...	...	78,769
Sand-lime brick	ton	27	...	...	...	...	27
	\$	270	...	...	...	...	270
Agriculture	ton	58	4,039	3,060	...	4,347	11,504
	\$	650	13,873	29,612	...	30,129	74,264
<u>CHEMICAL -</u>							
Smelters (non-ferrous)	ton	...	79,500	1	25	355	79,881
	\$	...	244,775	11	250	2,461	247,497
Iron and steel furnaces ...	ton	...	12	86	...	...	98
	\$	...	168	863	...	...	1,031
Cyanide and flotation mills	ton	...	1,123	315	289	18	1,745
	\$	...	3,475	3,308	2,890	125	9,798
Pulp and paper mills	ton	3,405	3,518	675	...	45	7,643
	\$	37,687	29,895	7,072	...	312	74,966
Sugar refineries	ton	35	90	...	...	...	125
	\$	390	877	...	...	...	1,267
Tanneries	ton	...	180	620	...	...	800
	\$	...	1,582	6,407	...	...	7,989
Fertilizer plants	ton	...	13	692	...	...	705
	\$	...	65	5,709	...	...	5,774
Insecticide plants	ton	122	13	...	...	50	185
	\$	1,586	65	...	...	347	1,998
Other chemical works	ton	...	1,016	1,881	145	...	3,042
	\$	...	9,817	19,663	1,450	...	30,930
Uses unspecified	ton	...	1,052	568	...	1,518	2,938
	\$	...	9,751	3,885	...	10,521	24,157
TOTAL HYDRATED LIME	ton	3,870	96,638	28,971	5,809	6,333	141,621
	\$	43,053	336,098	321,123	98,735	43,895	842,904
GRAND TOTAL	ton	27,115	382,432	411,921	48,253	38,047	907,768
	\$	287,712	2,667,391	3,115,194	457,274	305,421	6,832,992

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

(x) Not necessarily consumed in provinces where produced; includes by-product lime.

NOTE: Of the total quantity of 907,768 tons of lime produced, 423,591 tons were consumed by the producers themselves.

Table 10 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1944, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	TOTAL CANADA
(1 ton = 2,000 pounds)							
<u>QUICKLIME</u>							
Building trades -							
Finishing lime	ton	...	...	111	3,328	...	3,439
	\$	...	...	2,013	42,492	...	44,505
Masons' lime	ton	160	4,961	11,426	552	...	17,099
	\$	1,070	92,580	101,295	6,556	...	201,501
Sand-lime brick	ton	...	1,892	3,319	...	...	5,211
	\$	...	12,327	25,544	...	...	37,871
Agriculture	ton	...	54	316	...	...	370
	\$	...	810	2,375	...	...	3,185
<u>CHEMICAL -</u>							
Smelters (non-ferrous)	ton	...	13,745	4,079	1,800	...	19,624
	\$	...	98,552	28,268	14,450	...	141,270
Iron and steel furnaces (A)	ton	5,194	3,655	26,589	700	2,538	38,676
	\$	66,663	34,105	191,936	5,600	19,289	317,593
Cyanide and flotation mills	ton	...	1,184	6,525	6,796	320	14,825
	\$	...	8,586	48,376	64,078	2,432	123,472
Pulp and paper mills	ton	13,228	99,790	8,756	11,353	26,420	159,547
	\$	142,045	776,546	65,049	86,931	245,680	1,316,251
Glass works	ton	...	...	14,680	52	...	14,732
	\$	...	...	122,617	416	...	123,033
Sugar refineries	ton	167	10	3,566	8,901	30	12,674
	\$	2,161	225	40,811	73,830	228	117,255
Tanneries	ton	4	1,229	3,294	...	...	4,527
	\$	52	10,587	23,157	...	...	33,796
Fertilizer plants	ton	...	...	319	...	...	319
	\$	...	...	1,854	...	...	1,854
Insecticide plants	ton	...	...	1,650	...	230	1,880
	\$	...	...	7,551	...	1,748	9,299
Other chemical works	ton	177	121,273	306,221	3,855	2,368	433,904
	\$	2,302	1,101,910	2,218,823	20,840	17,997	3,361,872
Uses unspecified	ton	1,650	2,823	817	1,193	4,892	11,375
	\$	24,209	31,685	7,109	15,140	37,179	115,322
TOTAL QUICKLIME	ton	20,580	250,616	391,678	38,530	36,798	738,202
	\$	238,502	2,167,913	2,886,778	330,333	324,553	5,948,079
<u>HYDRATED LIME</u>							
Building trades -							
Finishing lime	ton	...	1,314	19,758	6,775	...	27,847
	\$	...	15,032	245,898	104,234	...	365,164
Masons' lime	ton	330	5,564	6,946	...	...	12,840
	\$	4,105	17,679	68,047	...	...	89,831
Sand-lime brick	ton	...	...	...	...	...	...
	\$
Agriculture	ton	...	4,869	2,295	...	6,657	13,821
	\$	...	14,080	24,254	...	46,473	84,807
<u>CHEMICAL -</u>							
Smelters (non-ferrous)	ton	...	66,140	60	60	295	66,555
	\$	...	207,029	573	600	2,059	210,261
Iron and steel furnaces ...	ton	...	...	74	...	...	74
	\$	...	...	768	...	...	768
Cyanide and flotation mills	ton	...	2,226	215	230	36	2,707
	\$	...	5,435	2,308	2,300	251	10,294
Pulp and paper mills	ton	2,200	4,437	4,356	...	45	11,038
	\$	27,368	43,814	42,924	...	314	114,420
Sugar refineries	ton	47	95	...	3,026	...	3,168
	\$	585	973	...	21,372	...	22,930
Tanneries	ton	...	80	842	...	...	922
	\$	...	740	8,817	...	...	9,557

Lime

- 7 -

Table 10 - PRODUCTION OF LIME IN CANADA, BY PROVINCES, 1944, SHOWING PURPOSES FOR WHICH USED (x) OR SOLD (Concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba and Alberta	British Columbia	TOTAL CANADA
(1 ton = 2,000 pounds)							
CHEMICAL (Con.) -							
Fertilizer plants	ton	...	...	680	...	...	680
	\$	...	...	5,612	...	...	5,612
Insecticide plants	ton	...	...	238	...	54	292
	\$	...	...	2,546	...	377	2,923
Other chemical works	ton	3	2,283	1,729	125	...	4,140
	\$	44	17,286	18,228	1,250	...	36,808
Uses unspecified	ton	...	1,458	414	...	984	2,856
	\$	...	14,097	4,424	...	6,869	25,390
TOTAL HYDRATED LIME	ton	2,580	88,466	37,607	10,216	8,071	146,940
	\$	32,102	336,165	424,399	129,756	56,343	978,765
GRAND TOTAL	ton	19,798	339,082	429,285	48,746	44,869	885,142
	\$	227,647	2,504,078	3,311,177	460,089	380,896	6,826,844

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

(x) Not necessarily consumed in provinces where produced; includes by-product lime.

NOTE: Of the total quantity of 885,142 tons of lime produced, 415,107 tons were consumed by the producers themselves. Of this amount, 257,999 tons of quicklime were consumed in Ontario plants; 120,618 tons of quicklime in Quebec plants, and the balance, 33,464 tons of quicklime and 3,026 tons of hydrated, in other provinces.

Table 11 - IMPORTS INTO CANADA AND EXPORTS OF LIME AND VARIOUS LIME COMPOUNDS, 1943 and 1944

		1 9 4 3		1 9 4 4	
		Quantity	Value	Quantity	Value
		\$		\$	
IMPORTS					
Lime	cwt.	181,543(x)	64,303	133,956(x)	34,917
Calcium chloride in packages of not less than 25 pounds	lb.	592,700	9,782	7,207,500(a)	77,274
Calcium chloride in packages of less than 25 pounds	lb.	1,282	463		
Calcium chloride, not in solution, for road treating purposes	lb.	9,709,400	101,071	...	...
Calcium arsenate	lb.	9,664	665		
Chloride of lime and hypochlorite of lime in packages not less than 25 pounds	lb.	750,400	22,221	441,600(b)	50,113
Chloride of lime and hypochlorite of lime in packages of less than 25 pounds	lb.	382	198		
Calcium compounds, n.o.p.	lb.	...	...	1,475,903	120,763
EXPORTS					
Building lime	cwt.	7,691	3,936	484	675
Lime, n.o.p.	cwt.	300,121	129,384	508,532	136,122
Acetate of lime	cwt.	92,808	288,420	98,070	320,650
Calcium compounds, n.o.p.	cwt.	2,149,602	6,102,504	1,733,833	5,708,752

(x) All from the United States.

(a) Calcium chloride.

(b) Chloride of lime.

DIRECTORY OF FIRMS IN THE CANADIAN LIME INDUSTRY, 1944

- (x) Inactive.
- (a) Use calcium or high calcium limestone.
- (b) Use dolomitic limestone.
- (c) Purchase lime.
- (d) Kind of limestone not reported.
- (e) Brucitic limestone.

Name of Firm	Head Office Address	Location of Plant
<u>Nova Scotia -</u>		
Dominion Steel & Coal Corp. Ltd. (b)	Sydney	Sydney
Eastern Lime Co. Ltd. (a)(x)	Windsor	Windsor
<u>New Brunswick -</u>		
Bathurst Power & Paper Co. Ltd. (a)	Bathurst	Bathurst
Purdy and Green Ltd. (a)	204 Metcalfe St., Saint John	Saint John
Snowflake Lime Ltd. (a)(b)	Saint John	Saint John
<u>Quebec -</u>		
Aluminum Company of Canada Ltd. (e)	1700 Sun Life Bldg., Montreal	Wakefield
Arnaud, Edwilda (d)	Joliette	Joliette
Bousquet, Adrien (d)	St. Dominique	St. Dominique
Canadian Refractories Ltd. (e)	1050 Canada Cement Bldg., Montreal	(c)
Carriere St. Maurice Ltd. (d)	1293 rue Hart, Trois Rivieres	St. Louis de France
Carriere Trois-Rivieres Ltd. (a)	St. Louis de France	St. Louis de France
Cote, Joseph (a)	Metabetchouan	Metabetchouan
Deschambault Quarry Corp. (d)(x)	St. Marc des Carrieres	St. Marc des Carrieres
Dominion Lime Ltd. (a)	Lime Ridge	Lime Ridge
Filion, Narcisse (d)(x)	St. Joachim	St. Joachim
Lalumiere, Joseph (d)(x)	St. Dominique	St. Dominique
Laurentian Stone Co. Ltd. (a)	195 Nicholas St., Ottawa, Ont.	Hull
Limoges, Henri (a)	552 Pouport St., Montreal	St. Michel
Mercure, Camille (a)	555 .. 16th Ave., St. Hyacinthe	St. Dominique
Shawinigan Chemicals Ltd. (a)	Craig St. W., Montreal	Shawinigan Falls
Standard Lime Co. Ltd. (a)	St. Paul de Joliette	St. Paul de Joliette
Trottier, David (d)	St. Marc des Carrieres	St. Marc des Carrieres
<u>Ontario -</u>		
Ball, Cecil (d)	R.R. 4, Chesley	Sullivan Tp.
Brunner, Mond Canada, Ltd. (a)	Canadian Bank of Commerce Bldg., Toronto	Anderdon Tp.
Canada & Dominion Sugar Co. Ltd. (a)	Chatham	Wallaceburg
Canadian Gypsum Co. Ltd. (b)	170 Bloor St. W., Toronto	Guelph
Carleton Lime Products Co. (a)	Box 26, Carleton Place	Carleton Place
Chalmers Lime Products Ltd. (b)	689 .. 7th St. W., Owen Sound	Owen Sound
Chemical Lime Co. Ltd. (a)	Beachville	Oxford Co.
Gypsum, Lime & Alabastine, Canada, Ltd. (a)(b)	Paris	Beachville, Glen Christie, Halton
Jamieson Lime Co. (a)	Renfrew	Horton Tp.
North American Cyanamid Ltd. (a)	Niagara Falls	Niagara Falls
Rockwood Lime Co. (b)	Box 46, Rockwood	Rockwood
Shane Lime & Charcoal Co. Ltd. (a)	Eganville	Grattan Tp.
<u>Manitoba -</u>		
Building Products & Coal Co. Ltd. (b)	111 Christie St., Winnipeg	Inwood
Gypsum, Lime & Alabastine, Canada, Ltd. (b)	Paris, Ont.	(c)
Manitoba Sugar Co. Ltd. (a)	Fort Garry	Fort Garry
Winnipeg Supply & Fuel Co. Ltd. (a)(b)	812 Boyd Bldg., Winnipeg	Moosehorn, Stonewall

DIRECTORY OF FIRMS IN THE CANADIAN LIME INDUSTRY, 1944
(Concluded)

Name of Firm	Head Office Address	Location of Plant
<u>Alberta -</u>		
Canadian Sugar Factories Ltd. (a)	Raymond	Raymond, Picture Butte
Errico, M. (d)	Cadomin	Cadomin
Loder's Lime Co. Ltd. (a)	Kananaskis	Kananaskis
Summit Lime Works Ltd. (a)	Box 273, Lethbridge	Crow's Nest Dist.
<u>British Columbia -</u>		
Pacific Lime Co. Ltd. (a)	744 W. Hastings St., Vancouver	Texada Island
Pacific Mills Ltd. (a)	Campbell Ave., Vancouver	Ocean Falls

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