

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

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THE STONE INDUSTRY IN CANADA, 1938.

The Stone Industry in Canada comprises two main divisions: - 1. The Stone Quarrying Industry, including quarries and dressing works operated in conjunction with quarries, and 2. The Monumental and Ornamental Stone Industry, comprising the operations of firms having no quarries but who operate dressing works where stone for building and monumental purposes is cut, polished or otherwise finished. In the Census of Industry, statistics on the stone quarrying industry are included under mining, while statistics of the monumental and ornamental stone industry are included under manufactures. For convenience this report carries data for both of these industries.

These two major divisions, constituting the Canadian stone industry, represented a capital investment of \$16,359,288 in 1938. Production during the year totalled \$9,458,800 which figure includes the value of the quarry output and the value added by manufacturing in the secondary stone industry. Salaried employees and wage-earners employed in 1938 numbered 4,076 and their combined earnings amounted to \$3,859,085.

The two industries are treated separately in the following review.

1. PRIMARY PRODUCTION - THE STONE QUARRYING INDUSTRY

The kinds of stone quarried in Canada include granite (trap rock, syenite and other igneous rock), limestone, marble, sandstone, and slate. Stone of almost every known variety occurs in Canada; rocks of the igneous areas of British Columbia, Manitoba, Ontario, Quebec and the Maritime Provinces exhibit a wide range of physical characteristics, some varieties being especially noted for their richness of colour and beauty of crystallization. The sedimentary rocks, including limestones, sandstones and marbles are quarried at various points in Canada. The products from quarries operating in these different formations not only yield high class structural and decorative materials but provide the chemical and other allied industries with many of their increasing requirements.

The gross value of all varieties of stone produced in Canada during 1938 totalled \$5,556,026 compared with \$6,939,360 in 1937. Comprising the tonnage shipped in 1938 were 705,307 tons of granite valued at \$1,379,417; 4,288,507 tons of limestone at \$3,864,619; 19,375 tons marble at \$87,274; 101,854 tons sandstone at \$218,405 and 979 tons of slate worth \$6,311. Of the total value of stone sold in 1938 the value of Quebec shipments amounted to 45 per cent, Ontario 42 per cent and British Columbia 6 per cent.

Rough and dressed stone sold for building purposes in 1938 amounted to 49,666 tons valued at \$725,402 including 13,762 tons of granite, 30,647 tons of limestone, 239 tons of marble and 5,018 tons of sandstone. Shipments of stone for chemical purposes totalled 551,737 tons worth \$468,000, comprising 551,501 tons of

limestone and 236 tons of marble. Road construction during the year under review absorbed 2,721,922 tons of stone valued at \$2,347,010, concrete aggregate 981,739 tons at \$791,971 and railroad ballasting 86,019 tons worth \$58,816.

Imports of stone and various stone products during 1938 were appraised at \$768,412 compared with \$1,151,373 in 1937. Exports of stone from Canada in 1938 were valued at \$225,586 as against \$250,593 in the preceding year.

The number of firms in the stone quarrying industry reported as active in 1938 totalled 429; capital employed amounted to \$11,187,274; employees numbered 2,815; salaries and wages paid aggregated \$2,298,154 and the cost of fuel, electricity and process supplies used was reported at \$890,350.

Table 1 -- PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA, 1937 and 1938.

	1937	1938
Number of firms	418	429
Capital employed	\$ 12,857,537	11,187,274
Number of employees --		
On salary	284	266
On wages	2,614	2,549
Total	2,898	2,815
Salaries and wages --		
Salaries	\$ 427,624	347,959
Wages	\$ 2,148,720	1,950,195
Total	\$ 2,576,344	2,298,154
Selling value of products (Gross) ...	\$ 6,939,360	5,556,026
Cost of fuel and electricity	\$ 472,006	433,041
Process supplies used	\$ 613,542	457,309
Selling value of products (Net)	\$ 5,853,812	4,665,676

Table 2 -- PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA BY PROVINCES, 1935 to 1938.

Provinces	Year	Num- ber of Firms	Capital employed	Fuel, electricity(x) and process supplies used	Number of em- ployees	Salaries and wages paid	Net Value of Production
			\$	\$		\$	\$
Nova Scotia ..	1935	11	682,156	22,939	138	130,612	598,893
	1936	21	803,155	41,879	218	182,855	333,450
	1937	26	195,181	35,191	127	100,823	243,907
	1938	20	31,891	11,573	61	51,176	135,371

Table 2 - PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA BY PROVINCES, 1935 to 1938. (concluded)

Provinces	Year	Number of firms	Capital employed	Fuel, electricity(x) and process supplies used	Number of employees	Salaries and wages paid	Net value of production
			\$	\$		\$	\$
New Brunswick.	1935	11	209,501	10,144	87	60,868	198,579
	1936	7	153,853	6,878	150	73,575	127,080
	1937	9	192,761	9,491	93	60,891	129,550
	1938	6	164,258	3,684	75	58,141	116,641
Quebec	1935	134	5,664,006	366,825	1,452	968,879	1,688,385
	1936	192	4,384,921	360,701	1,228	814,973	1,368,668
	1937	184	5,327,000	373,123	1,438	1,022,174	1,839,898
	1938	189	5,219,520	408,199	1,744	1,239,082	2,119,729
Ontario	1935	182	4,376,190	276,744	595	559,809	1,587,148
	1936	169	5,189,718	385,100	703	731,395	2,013,366
	1937	163	5,914,613	612,870	1,032	1,139,066	3,050,898
	1938	181	4,882,560	429,202	767	741,251	1,893,963
Manitoba	1935	6	542,625	30,309	87	113,776	159,446
	1936	8	649,810	11,527	54	48,926	60,438
	1937	6	642,363	11,407	40	54,053	53,821
	1938	6	393,148	13,481	43	56,431	88,136
Alberta	1935	2	-	3,948(a)	-	-	3,033
	1936	3	1,825	305	3	2,411	29,083
	1937	3	6,500	102	1	1,265	27,087
	1938	2	(b)	(b)	(b)	(b)	6,148
British Columbia ...	1935	26	803,040	23,630	116	116,754	337,760
	1936	26	716,570	35,514	176	189,081	360,376
	1937	27	579,119	43,364	167	198,072	508,651
	1938	25	505,897	24,211	125	152,073	305,608
TOTAL -- CANADA	1935	-	12,277,518	734,339	2,475	1,950,698	4,573,224
	1936	-	11,899,852	841,704	2,512	2,043,216	4,292,449
	1937	-	12,857,537	1,085,548	2,898	2,576,344	5,853,812
	1938	-	11,187,274	890,350	2,815	2,298,154	4,665,676

- (x) Exclusive of electricity generated by operator.
- (a) Process supplies only.
- (b) Included with data relating to lime industry.

Table 3 - AVERAGE NUMBER OF WAGE-EARNERS, BY MONTHS, 1937 and 1938.

Month	1937			Month	1938		
	1937	Quarry	Dressing Works		1937	Quarry	Dressing Works
January ..	1,098	1,003	212	July	3,785	3,175	515
February .	1,091	974	249	August ..	3,804	2,953	446
March	1,441	1,028	262	September	3,782	2,880	466
April	2,089	1,650	342	October .	3,413	2,809	508
May	2,922	2,444	422	November.	2,637	2,435	466
June	3,284	2,703	443	December.	1,875	1,621	429

Table 4 - NUMBER OF WAGE-EARNERS WHO WORKED THE NUMBER OF HOURS SPECIFIED, DURING ONE WEEK IN MONTH OF NORMAL EMPLOYMENT, 1938.

Hours	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	British Columbia	Canada
	No.	No.	No.	No.	No.	No.	No.
30 hours or less ..	-	-	173	14	-	-	187
31 - 43 hours	-	-	212	18	-	30	260
44 hours	-	-	149	40	22	2	213
45 - 47 hours	-	-	177	21	-	32	230
48 hours	5	46	686	233	31	54	1,055
49 - 50 hours	-	-	225	40	11	-	276
51 - 54 hours	113	39	214	134	-	-	500
55 hours	-	-	61	2	-	-	63
56 - 64 hours	27	3	355	547	-	53	985
65 hours and over ..	-	-	17	39	-	-	56
GRAND TOTAL	145	88	2,269	1,088	64	171	3,825
Total wages paid in that week	\$ 1,712	3,419	19,845	15,825	144	1,072	42,017

Table 5 - FUEL AND ELECTRICITY USED, 1937 and 1938.

Kind	Unit of measure	1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal -- Canadian	short ton	3,192	24,056	3,662	19,463
Imported	short ton	11,264	73,905	7,521	50,667
Anthracite coal	short ton	292	2,274	241	5,504
Lignite coal	short ton	-	-	-	-
Coke	short ton	250	2,099	10	117
Gasoline	Imp. gal.	355,824	83,631	429,039	97,579
Kerosene	Imp. gal.	3,306	630	23,869	5,243
Fuel oil	Imp. gal.	173,974	20,134	144,093	14,071
Wood	cord	7,093	13,022	2,471	7,943
Gas -- natural	M Cu.ft.	-	-	3,500	1,625
Other fuel	xxx	-	-	-	127
Electricity purchased	K. W. H.	18,807,394	252,255	16,775,204	230,702
TOTAL	xxx	-	472,006	-	433,041
Electricity generated for own use	K. W. H.	1,317,300	-	179,434	-
Cost of explosives and other process supplies used	\$	-	613,542	-	457,309

Table 6 -- POWER INSTALLATION, 1938.

	Ordinarily in use		In reserve or idle	
	Number of units	Total h.p. (according to manufacturers' rating)	Number of units	Total h.p. (according to manufacturers' rating)
Steam engines and steam turbines	79	2,942	17	1,177
Diesel engines	35	2,697	--	--
Gasoline, gas and oil engines other than diesel	142	5,171	9	242
Hydraulic turbines or water wheels ..	8	785	7	310
Electric motors run by purchased power	735	21,073	105	3,773
Electric motors run by own power	29	833	--	--
Boilers installed	49	2,136	12	993

Table 7 -- The following table gives the value of construction contracts awarded in Canada from 1925 to 1938, also index numbers of wholesale prices of building materials, index numbers of wage rates and value of total stone produced.

Year	Value of construction contracts awarded in Canada (a)	Value of Canadian primary stone production (b)	Average index numbers of employment in building construction (1925=100) (c)	Average index	
				numbers of wholesale prices of building materials (1925=100) (d)	Index of wage rates in the building trades (1913=100) (e)
	\$	\$			
1925	297,973,000	7,464,777	75.8	102.9	170.4
1926	372,947,900	7,865,874	100.0	100.0	172.1
1927	418,951,600	9,265,304	108.7	96.1	179.3
1928	472,032,600	10,272,301	112.0	97.4	185.6
1929	576,651,800	12,066,532	135.3	99.0	197.5
1930	456,999,600	13,037,209	134.3	90.8	203.2
1931	315,482,000	11,075,184	104.3	81.9	195.7
1932	132,872,400	4,942,211	54.1	77.2	178.2
1933	97,289,800	3,000,326	38.5	78.3	158.0
1934	125,811,500	4,157,131	47.8	82.5	154.8
1935	160,305,000	5,307,563	55.4	81.2	159.8
1936	162,588,000	5,134,153	55.4	85.3	160.8
1937	224,056,700	6,939,360	60.1	94.4	165.3
1938	187,277,900	5,556,026	60.1	89.1	169.4

- (a) Compiled by McLean Building Reports Ltd.
- (b) Includes all stone.
- (c) General Statistics Branch, Dominion Bureau of Statistics.
- (d) Internal Trade Branch, Dominion Bureau of Statistics.
- (e) Labour Department.

Note: The value of construction contracts awarded in Canada during the twelve months ending December 31, 1939, totalled \$187,178,500 according to "McLean Building Reports Ltd."

Table 8. - COMPARISON OF THE PRINCIPAL STATISTICS OF THE CONSTRUCTION INDUSTRY IN CANADA, 1937 and 1938.

	1937	1938	+ Increase - Decrease
Reports received No.	10,855	12,964	+ 2,109
Capital invested \$	176,971,223	184,200,541	+ 7,229,318
Salaried employees No.	22,431	25,278	+ 2,847
Salaries paid \$	30,398,287	34,809,919	+ 4,411,632
Wage-earning employees (average) No.	129,221	121,913	- 7,308
Wages paid \$	120,239,004	112,595,479	- 7,643,525
Total employees No.	151,652	147,191	- 4,461
Total salaries and wages paid \$	150,637,291	147,405,398	- 3,231,893
Cost of materials used \$	175,844,435	176,562,208	+ 717,773
Value of work performed: \$	351,874,114	353,223,285	+ 1,349,171
New Construction (including subcontract work) \$	244,946,916	240,549,164	- 4,397,752
Alterations, maintenance and repairs \$	106,927,198	112,674,121	+ 5,746,923
Subcontract work performed: \$	46,975,118	54,024,399	+ 7,049,281
New construction \$	40,025,508	45,322,673	+ 5,297,165
Alterations, maintenance and repairs \$	6,949,610	8,701,726	+ 1,752,116

Construction Branch, Dominion Bureau of Statistics.

Table 9. - ACTUAL VARIATIONS IN THE PRINCIPAL STATISTICS OF 1938 IN COMPARISON WITH 1937, BY PROVINCES.

Provinces	+ Denotes an increase		- Denotes a decrease		
	Capital Invested	Employees	Salaries and Wages Paid	Cost of Materials	Value of work Performed
	\$	No.	\$	\$	\$
Prince Edward Island ..	+ 189,868	+ 254	+ 212,741	+ 277,907	+ 576,994
Nova Scotia	- 980,868	- 3,884	- 849,922	+ 147,804	- 2,141,717
New Brunswick	- 1,293,974	- 665	- 400,158	- 1,149,070	- 2,582,326
Quebec	+ 3,853,212	- 362	- 5,657,021	- 1,323,800	- 630,128
Ontario	+ 4,158,176	+ 251	+ 1,996,559	+ 1,549,215	+ 3,083,515
Manitoba	+ 405,846	+ 220	+ 237,930	+ 1,297,149	+ 1,772,335
Saskatchewan	+ 550,445	- 17	+ 831,595	+ 349,376	+ 2,583,729
Alberta	+ 624,788	+ 283	+ 628,181	+ 1,001,680	+ 1,967,768
British Columbia	- 278,175	- 549	- 231,198	- 1,432,488	- 3,280,999
CANADA	+ 7,229,318	- 4,461	- 3,231,893	+ 717,773	+ 1,349,171

Construction Branch, Dominion Bureau of Statistics.

Table 10 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES, BY KINDS AND BY PROVINCES, 1937 and 1938.

Province		Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1937</u>							
Nova Scotia	..... tons	16,430	24,398	-	137,893	-	178,721
	\$	50,966	35,914	-	192,218	-	279,098
New Brunswick	.... tons	936	51,929	-	4,603	-	57,468
	\$	74,961	55,600	-	8,480	-	139,041
Quebec	..... tons	218,743	1,653,556	14,957	70,726	414	1,958,396
	\$	611,125	1,474,653	61,348	65,424	471	2,213,021
Ontario	..... tons	625,160	3,582,175	6,685	8,680	300	4,223,000
	\$	769,860	2,871,469	27,247	22,934	2,258	3,663,768
Manitoba	..... tons	138	41,053	-	-	-	41,191
	\$	1,796	63,432	-	-	-	65,228
Alberta	..... tons	-	13,182	-	43	-	13,225
	\$	-	24,935	-	2,254	-	27,189
British Columbia	. tons	273,692	176,513	-	15,220	186	463,611
	\$	318,725	177,939	-	52,561	2,790	552,015
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CANADA tons	1,135,099	5,542,806	21,642	235,165	900	6,935,612
	\$	1,827,433	4,673,942	88,595	343,871	5,519	6,939,360
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<u>1938</u>							
Nova Scotia tons	5,765	20,957	-	36,940	-	63,662
	\$	31,768	34,696	-	80,480	-	146,944
New Brunswick tons	954	7,985	-	4,340	-	13,279
	\$	71,600	19,855	-	28,870	-	120,325
Quebec	..... tons	294,446	1,850,019	8,838	42,587	494	2,196,384
	\$	757,531	1,672,260	46,580	51,010	547	2,527,928
Ontario	..... tons	254,917	2,242,964	10,537	4,662	211	2,513,291
	\$	351,941	1,911,841	40,694	16,220	2,469	2,323,165
Manitoba	..... tons	329	39,049	-	-	-	39,378
	\$	6,120	95,497	-	-	-	101,617
Alberta	..... tons	-	1,691	-	-	-	1,691
	\$	-	6,148	-	-	-	6,148
British Columbia	. tons	148,896	125,842	-	13,325	274	288,337
	\$	160,457	124,322	-	41,825	3,295	329,899
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CANADA tons	705,307	4,288,507	19,375	101,854	979	5,116,022
	\$	1,379,417	3,864,619	87,274	218,405	6,311	5,556,026

NOTE - Not included in the above limestone statistics are 1,344,868 tons of limestone consumed in the cement industry in 1938 and 1,465,168 tons in 1937. Limestone used in the Canadian lime industry is also not included; it is estimated that approximately 900,000 tons of limestone were burned in the manufacture of lime in 1938 and about 980,000 tons in 1937.

(a) All igneous rocks included.

(b) Includes dolomite, also marl for agricultural purposes.

Table 11 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1937 and 1938.

For use as follows -	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1937</u>						
Building stone - Rough. tons	6,925	15,317	129	4,297	-	26,668
\$	51,110	98,634	5,939	19,492	-	175,175
Dressed. tons	6,257	14,624	275	1,274	-	22,430
\$	252,346	248,659	18,297	51,893	-	571,195
Monumental and - Rough. tons	5,587	128	125	-	-	5,840
ornamental stone - \$	48,520	4,992	3,438	-	-	56,950
Dressed. tons	2,375	65	-	21	-	2,461
\$	218,140	2,355	-	900	-	221,375
Flagstone tons	8	238	-	2,898	-	3,144
\$	75	1,507	-	7,352	-	8,934
Curbstone tons	796	50	-	-	-	846
\$	3,085	500	-	-	-	3,585
Paving blocks tons	547	-	-	10	-	557
\$	4,792	-	-	110	-	4,902
Lining open-hearth furnaces tons	-	764	-	-	-	764
\$	-	1,688	-	-	-	1,688
Chemical -						
Flux in iron and steel plants tons	-	200,932	-	-	-	200,932
\$	-	150,146	-	-	-	150,146
Flux in smelters tons	-	144,810	-	-	-	144,810
\$	-	116,634	-	-	-	116,634
Glass factories tons	-	510	4,000	-	-	4,510
\$	-	765	14,000	-	-	14,765
Pulp and paper mills . tons	-	199,433	1,460	-	-	200,893
\$	-	218,292	1,169	-	-	219,461
Sugar refineries tons	-	28,902	-	-	-	28,902
\$	-	30,664	-	-	-	30,664
Other chemical uses .. tons	-	113,900	-	-	-	113,900
\$	-	94,627	-	-	-	94,627
Pulverized stone -						
Whiting tons	-	659	4,775	-	-	5,414
\$	-	1,281	3,157	-	-	4,438
Asphalt filler tons	-	10,344	-	-	-	10,344
\$	-	26,475	-	-	-	26,475
Dusting coal mines ... tons	-	829	-	-	-	829
\$	-	3,320	-	-	-	3,320
Agricultural purposes. tons	-	111,428	1,200	-	-	112,628
\$	-	128,671	2,400	-	-	131,071
Other uses tons	-	15,811	-	-	95	15,906
\$	-	51,838	-	-	682	52,520
Crushed stone for manu- facture of artificial tons	-	60	2,011	-	-	2,071
stone \$	-	300	8,835	-	-	9,135
Roofing granules tons	10,710	-	-	-	370	11,080
\$	85,715	-	-	-	4,216	89,931
Poultry grit tons	20	908	1,153	-	21	2,102
\$	200	3,916	5,687	-	150	9,953

Table 11 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1937 and 1938. (con.)

For use as follows -	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1937 - concl'd.</u>						
Stucco dash	tons	215	2,031	-	-	2,246
	\$	1,419	9,239	-	-	10,658
Terrazzo chips	tons	-	2,388	-	-	2,388
	\$	-	10,999	-	-	10,999
Rock wool	tons	5,322	-	-	-	5,322
	\$	5,439	-	-	-	5,439
Rubble and riprap	tons	458,331	179,287	-	414	699,586
	\$	431,758	125,703	-	471	608,453
Crushed stone -						
Concrete aggregate ..	tons	103,726	1,387,524	232	6,173	1,497,655
	\$	153,656	1,052,727	182	7,616	1,214,181
Road metal	tons	138,995	2,877,534	1,863	150,744	3,169,136
	\$	182,288	2,136,746	5,253	197,793	2,522,080
Railroad ballast	tons	400,822	233,232	-	8,194	642,248
	\$	395,748	166,664	-	8,194	570,606
TOTAL CANADA (b) ..	tons	1,135,099	5,542,806	21,642	900	6,935,612
	\$	1,827,433	4,673,942	88,595	5,519	6,939,360

(a) Includes all igneous rock. (b) Does not include limestone used in Canadian lime and cement industries, but includes marl used for agricultural purposes.

1938

Building stone - Rough	tons	6,468	17,094	59	2,745	-	26,366
	\$	36,819	115,891	1,446	14,289	-	168,445
Dressed	tons	7,294	13,553	180	2,273	-	23,300
	\$	244,501	227,324	1,440	83,692	-	556,957
Monumental and Rough	tons	14,506	331	353	12	-	15,202
ornamental stone -	\$	53,059	1,776	17,592	100	-	72,527
Dressed	tons	3,704	3,454	22	-	-	7,180
	\$	294,001	79,156	2,644	-	-	375,801
Flagstone	tons	80	363	-	463	17	923
	\$	28	365	-	2,555	111	3,059
Curbstone	tons	5,975	200	-	150	-	6,325
	\$	12,195	750	-	2,000	-	14,945
Paving blocks	tons	961	-	-	20	-	981
	\$	10,673	-	-	235	-	10,908
Lining open-hearth							
furnaces	tons	-	634	-	-	-	634
	\$	-	1,440	-	-	-	1,440
Chemical -							
Flux in iron and steel							
furnaces	tons	-	190,366	-	-	-	190,366
	\$	-	145,416	-	-	-	145,416
Flux in non-ferrous							
smelters	tons	-	124,238	-	-	-	124,238
	\$	-	88,255	-	-	-	88,255
Glass factories	tons	-	308	236	-	-	544
	\$	-	463	1,158	-	-	1,621

Table 11 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1937 and 1938. (concl'd.)

For use as follows -		Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1938</u> - concl'd.							
Pulp and paper mills. tons	-	-	114,572	-	-	-	114,572
	\$	-	126,980	-	-	-	126,980
Sugar refineries tons	-	-	90	-	-	-	90
	\$	-	360	-	-	-	360
Other chemical uses . tons	-	-	121,927	-	-	-	121,927
	\$	-	105,368	-	-	-	105,368
Pulverized Stone -							
Whiting (substitute) tons	-	-	-	-	-	-	-
	\$	-	-	-	-	-	-
Asphalt filler tons	-	-	9,631	-	-	-	9,631
	\$	-	30,050	-	-	-	30,050
Dusting coal mines . tons	-	-	761	-	-	-	761
	\$	-	3,045	-	-	-	3,045
Agricultural purposes							
and fertilizer tons	-	-	128,289	1,400	-	-	129,689
plants \$	-	-	142,707	3,850	-	-	146,557
Other uses tons	-	-	26,589	-	-	19	26,608
	\$	-	8,162	-	-	105	8,267
Crushed stone for							
manufacture of arti- tons	-	-	10	2,557	-	-	2,567
ficial stone \$	-	-	10	13,351	-	-	13,361
Roofing granules tons	8,889	-	8	-	-	344	9,241
	\$	75,468	8	-	-	3,632	79,108
Poultry grit tons	6	-	1,222	1,010	-	-	2,238
	\$	90	4,568	5,057	-	-	9,715
Stucco dash tons	21	-	137	2,453	-	-	2,611
	\$	210	831	12,136	-	-	13,177
Terrazzo chips tons	15	-	-	4,618	-	-	4,633
	\$	22	-	19,409	-	-	19,431
Rock wool tons	-	-	4,499	-	-	-	4,499
	\$	-	4,204	-	-	-	4,204
Rubble and riprap ... tons	240,151	-	240,361	3,381	16,829	494	501,216
	\$	156,607	183,725	3,447	14,906	547	359,232
Crushed stone -							
Concrete aggregate . tons	88,111	-	885,643	-	7,985	-	981,739
	\$	75,230	706,350	-	10,391	-	791,971
Road metal tons	329,126	-	2,327,033	3,106	62,552	105	2,721,922
	\$	420,514	1,837,424	5,744	81,412	1,916	2,347,010
Railroad ballast ... tons	-	-	77,194	-	8,825	-	86,019
	\$	-	49,991	-	8,825	-	58,816
<hr/>							
TOTAL CANADA (b). tons		705,307	4,288,507	19,375	101,854	979	5,116,022
	\$	1,379,417	3,864,619	87,274	218,405	6,311	5,556,026

(a) Includes all igneous rock. (b) Does not include limestone used in Canadian lime and cement industries, but includes marl used for agricultural purposes.

Table 12 -- PRODUCTION OF GRANITE(x) IN CANADA, FOR YEARS SPECIFIED.

Year	Short tons	\$	Year	Short tons	\$
1913	(a)	1,653,791	1931	1,190,887	2,763,050
1914	(a)	2,176,602	1932	490,822	1,110,582
1915	(a)	1,525,553	1933	256,723	679,585
1916	(a)	1,247,267	1934	200,285	781,739
1917	(a)	639,412	1935	326,354	1,126,287
1918	(a)	590,871	1936	941,743	1,319,313
1919	(a)	850,563	1937	1,135,099	1,827,433
1920	(a)	1,508,916	1938	705,307	1,379,417

(x) Includes all igneous rock.

(a) Information not available.

Large areas in Canada are underlain by granite, much of which is suitable for all the purposes for which the stone is used. The stone quarried consists of granite and related crystalline igneous rocks which are used for building, decorative, ornamental, or construction purposes, and is obtained from properties in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba and British Columbia. Granite is employed for building purposes mainly in the larger buildings such as public and semi-public structures and institutions. In the building trade coloured granites are being used to an increasing extent in the form of thin polished slabs for trim for buildings where contrast is called for in the main colour scheme. At present, the so-called "black granite" and the "grey" seem to be in most demand for monuments. Stone used in the National Memorial at Ottawa was quarried during 1938 from Rivière-à-Pierre district Northeast of Three Rivers, Quebec; more than 800 tons of dressed granite were used in the erection of the memorial, and it was necessary to quarry about 7,000 tons to obtain sufficient material free from blemishes, and of proper sizes. The largest block used weighed over 40 tons dressed. (Bureau of Mines - Ottawa)

Table 13 -- PRODUCTION OF LIMESTONE IN CANADA, FOR YEARS SPECIFIED.

Year	Short tons	\$	Year	Short tons	\$
1913	(a)	3,204,091	1931	6,262,430	6,305,538
1914	(a)	2,672,781	1932	3,687,241	3,227,715
1915	(a)	2,312,081	1933	2,572,911	2,142,516
1916	(a)	2,224,091	1934	3,747,779	3,157,832
1917	(a)	2,283,659	1935	3,631,665	3,253,573
1918	(a)	2,342,403	1936	3,731,548	3,143,872
1919	(a)	3,074,815	1937	5,542,806	4,673,942
1920	(a)	5,665,693	1938	4,288,507	3,864,619

(a) Data not available.

"Limestone in blocks of large dimensions for building is quarried in the provinces of Quebec, Ontario, and Manitoba. In Quebec there are three quarries at St. Marc des Carrières, Portneuf county, producing grey limestone, and several in and near Montreal producing limestone of similar colour. In Ontario a large quarry near Queenston in the Niagara peninsula yields silver-grey limestone as well as small quantities of buff and of variegated buff and grey; and at Longford Mills, near Orillia, buff, silver-grey, and brown limestone for use both as marble and

building stone is quarried. The Manitoba quarries, three in number, are near Tyndall and yield mottled grey, mottled buff, and mottled variegated limestone. Besides these large quarries, the products of which have a wide shipping range, small quarries producing building stone for local use are worked near Quebec City, Montreal, and Hull in the province of Quebec; and at Ottawa, Kingston, Erin, and Warton in Ontario. Rubble is their chief product.

"For domestic use limestone is marketed in a variety of forms ranging from huge squared blocks of dimension stone used in construction, to extremely fine dust used chiefly as a mineral filler. Some few of the products are processed but little if at all from the condition in which they are obtained after blasting, as for example limestone used in the wood pulp industry, but the bulk of the output is crushed and screened for use as road metal, concrete aggregate, railroad ballast, and as flux in metallurgical plants. Large quantities are used in the manufacture of Portland cement, lime, rock wool and various chemical products. It is of interest to note that in 1938 Canadian rock wool made from argillaceous dolomite was exported to England, Switzerland, Sweden, Holland and the Argentine.

"Of significance in connection with future production of pure limestone is the progress being made in beneficiation whereby siliceous material is in part removed from limestone by flotation. This method of purifying limestone is now in use at several Portland cement plants in various parts of the world.

"New uses for limestone are continually being developed. The dolomitic variety when crushed or when calcined has long been used as a refractory material for fettling the bottoms of basic open-hearth furnaces, but its applications as a refractory have been limited because of the readiness with which it air-slakes and also because of its chemical activity. Recently, however, a method has been found of combining dolomite (and also calcium limestone) with silica in the presence of a stabilizing agent to give a refractory product that contains no active lime or silica, does not disintegrate, and is comparable in refractoriness with materials that are several times as expensive. Dolomite is assuming a position of importance in Europe as a raw material for making metallic magnesium. Canada possesses ample deposits of high-grade dolomite and developments are being watched with interest in this country. A present use for limestone, capable of enormous development is in agriculture. Though the necessity of applying limestone or lime to agricultural land in order to maintain or increase soil fertility has been emphasized for years by authorities on agriculture, the quantity so used in Canada is still very small, whereas if the proper quantity were applied it would constitute one of the principal outlets for limestone." (Bureau of Mines - Ottawa)

Table 14 - PRODUCTION OF SANDSTONE IN CANADA, FOR YEARS SPECIFIED.

Year	Short tons	\$	Year	Short tons	\$
1913	(a)	396,782	1931	924,101	1,332,883
1914	(a)	487,140	1932	500,480	349,458
1915	(a)	249,336	1933	99,043	108,562
1916	(a)	146,244	1934	115,169	143,283
1917	(a)	261,256	1935	342,824	838,005
1918	(a)	102,750	1936	285,508	495,856
1919	(a)	86,577	1937	235,165	343,871
1920	(a)	165,149	1938	101,854	218,405

(a) Data not available.

Canadian sandstone has been utilized extensively in the construction of many important public buildings in Canada and is finding increasing favour as a material in the construction of the better type home. The rock occurs in Canada in a variety of colours, including white, reddish brown, purple (bands), yellow and grey. Shipments of sandstone were made in 1938 from quarries located in all of the provinces with the exception of Prince Edward Island, Manitoba and Saskatchewan. Of the total output in 1938, quarries in Nova Scotia contributed 36,940 tons, valued at \$80,480, Quebec 42,587 tons at \$51,010 and British Columbia 13,325 tons worth \$41,825. In 1938 the market for sandstone in Canada included railroad ballast, highway metal, rubble and riprap, building stone, flagstone and concrete aggregate.

Table 15 - PRODUCTION OF MARBLE IN CANADA, FOR YEARS SPECIFIED.

Year	Short tons	\$	Year	Short tons	\$
1913	(a)	249,975	1931	20,442	668,713
1914	(a)	132,533	1932	12,379	250,706
1915	(a)	158,027	1933	10,897	65,913
1916	(a)	118,810	1934	13,783	69,475
1917	(a)	55,820	1935	15,975	85,369
1918	(a)	550	1936	22,866	169,698
1919	(a)	213,982	1937	21,642	88,595
1920	(a)	240,593	1938	19,375	87,274

(a) Data not available.

"Marble quarries are operated in the provinces of Quebec, Ontario, Manitoba and British Columbia for the production of squared blocks for sawing into slabs and for making monuments, and also for the production of broken marble for making terrazzo, stucco dash, whiting substitute, marble flour, artificial stone, and building rubble. A part of the production of some quarries is also marketed for chemical use ... Progress is being made in finding new ways of utilizing marble. Thin slabs of semi-translucent, light coloured marble have been used in large windows of buildings and white marble sand is being produced for use in white cement. Many deposits of beautifully coloured marbles, particularly in Ontario, Quebec and British Columbia, have never been fully investigated, the chief reason being that the present demand in Canada for marble of any one colour, other than for a staple variety such as white, is comparatively small. In Quebec, four varieties of clouded grey marble, some of which are tinted and lined with green, and also black marble, are quarried at Phillipsburg. A small quantity of dry red marble is quarried, chiefly for use as tombstones, at Cap St. Martin near Montreal.

"In Ontario black marble is quarried at St. Albert, near Ottawa; buff and silver grey marbles are produced at Longford, near Orillia; and at Bancroft, Hastings County, a number of handsomely coloured marbles are available, the most striking of which, known as Bancroft Laurentian, is a clouded-grey breccia with a rich chocolate-coloured bond; white marble is quarried at Marmora and Haliburton, and buff, red, white, green and black marbles near Eldorado.

"In Manitoba, a number of highly coloured marbles are available and near Calgary in Alberta deposits of calcareous tufa are quarried for terrazzo chips. In British Columbia a bluish grey marble for making monuments is obtained at La Blanche station on the Lardeau branch of the Canadian Pacific Railway, while small quantities of white marble are quarried near Victoria and on Texada Island for the production of terrazzo, poultry grit, whiting substitute and marble sand.

"The Canadian Market calls for interior decorative marble almost entirely, as very little marble is used for the exteriors of buildings. A considerable quantity is used, however, for tombstones. There has been an increasing demand in recent years for marble in the form of terrazzo for flooring, instead of slabs or tiles. Prices of marble depend upon the quality and rareness of colouring, but they are governed largely by the prices of foreign marbles." (Bureau of Mines - Ottawa)

Table 16 - PRODUCTION OF SLATE IN CANADA, FOR YEARS SPECIFIED.

Year	Short tons	\$	Year	Short tons	\$
1913	1,432	6,444	1931	250	5,000
1914	1,075	4,837	1932	250	3,750
1915	397	2,039	1933	250	3,750
1916	1,262	6,223	1934	738	4,802
1917	1,422	7,789	1935	1,129	4,329
1918	933	5,124	1936	1,247	5,414
1919	1,632	10,853	1937	900	5,519
1920	(a)	14,200	1938	979	6,311

(a) Data not available.

In 1938 slate was produced only in Quebec, Ontario and British Columbia; the output totalled 979 short tons valued at \$6,311 and was sold chiefly as roofing granules, and rubble and riprap. Imports of slate into Canada in 1938 comprised roofing slate, 1,174 squares valued at \$10,651 (all from United States); slate pencils and writing slates \$5,244; other slate manufactures \$19,935. The Nova Scotia Department of Mines reported that no work was performed during 1938 on the large deposits of excellent building slate located in that province.

"Mineral Trade Notes" United States Department of the Interior reported that there had been a wider use in the United Kingdom recently of slate for such purposes as billiard-table beds, monuments, brewing tanks, aquariums, electric switchboards and honing stones. Three years ago, after long research, a colouring process was discovered and patented by which a wide range of pastel shades, hitherto unobtainable in any roofing material, can be produced in slate. The colours are claimed to be absolutely permanent and the cost of the process is about one shilling per square yard.

Table 17 - PRODUCTION OF STONE FOR BUILDING PURPOSES, CHEMICAL USE, CEMENT MANUFACTURE, CONCRETE AGGREGATE, ROAD METAL AND RAILROAD BALLAST, 1930-1938.

	Building stone(a)	For chemical purposes(b)	For concrete aggregate	For road metal	For railroad ballast	For cement manufacture
1930 - tons ..	173,204	586,456	2,115,104	3,910,245	2,036,981	2,925,399
\$..	4,184,778	540,534	1,623,904	3,434,935	1,674,298	-
1931 - tons ..	129,345	333,699	3,275,276	3,122,633	652,352	2,489,147
\$..	3,717,993	314,088	2,565,204	2,557,515	485,447	-
1932 - tons ..	62,951	226,966	1,929,756	1,847,371	89,835	1,141,376
\$..	1,035,571	188,820	1,320,088	1,474,870	84,930	-
1933 - tons ..	40,299	315,287	981,460	1,212,981	93,624	616,364
\$..	340,852	297,652	682,213	969,504	52,359	-

Table 17 - PRODUCTION OF STONE FOR BUILDING PURPOSES, CHEMICAL USE, CEMENT MANUFACTURE, CONCRETE AGGREGATE, ROAD METAL AND RAILROAD BALLAST, 1930-1938 - Concl'd.

	Building stone(a)	For chemical purposes(b)	For concrete aggregate	For road metal	For railroad ballast	For cement manufacture
1934 - tons ..	52,665	489,580	821,099	2,062,487	345,802	806,546
\$..	490,095	447,429	608,240	1,668,927	209,296	-
1935 - tons ..	200,899	537,799	804,719	1,976,363	351,302	818,443
\$..	1,258,741	483,709	523,847	1,987,351	211,993	-
1936 - tons ..	42,335	615,207	1,014,145	1,903,927	784,081	1,180,358
\$..	714,616	553,597	730,617	1,653,134	659,656	-
1937 - tons ..	49,098	693,947	1,497,655	3,169,136	642,248	1,465,168(c)
\$..	746,370	626,297	1,214,181	2,522,080	570,606	-
1938 - tons ..	49,666	551,737	981,739	2,721,922	86,019	1,358,689(d)
\$..	725,402	468,000	791,971	2,347,010	58,816	-

(a) Does not include monumental or ornamental stone.

(b) Does not include limestone used in Canadian lime industry.

(c) Includes shale.

(d) Includes 13,821 tons shale.

Table 18 - IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1937 and 1938.

	1937		1938	
	Tons	Value	Tons	Value
		\$		\$
IMPORTS -				
Curling stone and handles	669	14,710	746	16,385
Building stone, other than marble or granite, planed, turned, cut or further manufactured than sawn on four sides	8	314	0.1	10
Flagstone, sandstone, and all building stone, not hammered, sawn or chiselled	5,818	34,479	3,604	20,757
Flagstone and building stone, other than marble or granite, sawn on not more than two sides	1,202	8,479	1,849	13,997
Granite, rough, not hammered or chiselled ..	-	80,273	-	62,735
Granite, sawn only	-	11,022	-	10,429
Granite, monuments	-	16,732	-	16,949
Granite, manufactures of, n.o.p.	-	6,908	-	8,990
Marble, rough, not hammered or chiselled ...	-	16,729	-	23,102
Marble, sawn or sand rubbed, not polished ..	-	31,991	-	28,051
Marble, not further manufactured than sawn for tombstones	-	12,655	-	11,886
Marble, manufactures of, n.o.p.	-	15,327	-	8,634
Ornamental or decorative marble (not chips), unicolour or variegated, of colours or texture not produced in Canada; rough or dressed, etc., for church interiors (x) ...	-	12,561	-	9,743

(x) From February 26, 1937.

Table 18 - IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1937 and 1938. - Concl'd.

	1937		1938	
	Tons	Value	Tons	Value
<u>IMPORTS</u> - Concl'd.		\$		\$
Paving blocks of stone	-	22	-	-
Refuse stone, not sawn, hammered or chiselled	592,593	348,319	303,103	160,618
Slate roofing	2,162	18,711	1,174	10,651
Slate pencils and school writing slates..	-	5,790	-	5,244
Slate mantels and manufactures of slate, n.o.p.	-	30,270	-	19,935
Chalk, china, Cornwall or cliff stone and mica schist	-	55,558	-	22,572
Mineral wool	1,015	81,050	669	45,109
Whiting, gilders' whiting and Paris white	11,992	126,015	10,701	116,923
Manufactures of stone, n.o.p.	-	25,170	-	30,518
Lithographic stones not engraved	-	266	-	449
Chalk prepared	-	6,873	-	5,731
Pumice and pumice stone, lava and calcareous tufa, not further manufactured than ground	-	26,238	-	24,688
Grindstones, not mounted, and not less than 36 inches in diameter	1,587	157,699	840	91,205
Burrstones, rough in blocks	174	1,232	22	213
Ganister	2,405	5,980	360	2,888
TOTAL	-	1,151,373	-	768,412
<u>EXPORTS</u> -				
Crushed stone	132,006	233,824	112,537	198,720
Granite and marble, unwrought	1,234	11,408	657	5,042
Freestone, limestone, and other building stone, unwrought.....	659	1,380	42	227
Dressed stone of all kinds	-	3,846	-	16,156
Grindstones, manufactured	-	135	-	5,441
TOTAL	-	250,593	-	225,586

DIRECTORY, 1938

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

GRANITE

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>NOVA SCOTIA</u> --		
Bower, A. R.	Box 255, Shelburne	Shelburne
Dauphinee, W. T. (x)	Shelburne	Shelburne
Nixon, W. H. (x)	Nictaux Falls	Nictaux West
Nova Scotia Dept. of Highways	Halifax	Various
Rice, E. A. and O. A. (x)	Nictaux West	Nictaux West and Birchtown
Rice, W. D.	Middleton	Nictaux West
Shelburne Granite Works (C. G. Reid) (x)	Shelburne	Birchtown
<u>NEW BRUNSWICK</u> --		
Granite Street & Construction Co. Ltd. (x)	Rothsday Ave., Saint John	Hampstead
Milne Coutts & Co. Ltd. (x)	St. George	St. George
B. Mooney & Sons Realty Ltd. (x)	49 Canterbury St., Saint John	Hampstead
O'Brien & Baldwin (x)	St. George	St. George
<u>QUEBEC</u>		
Aluminum Power Co. Ltd.	Racine	Chicoutimi Co.
B. and R. Granite Quarry	Beebe	Ogden Twp.
Barrowman & Denny	Beebe	Ogden Twp.
Bennier & Fils (x)	Box 491, Roberval	Roberval
Bémubé, Lucien (x)	Brownshurg	Chatham Twp.
Boisvert, Adéland	6236 Bordeaux St., Montreal	St. John Co.
Boisvert, Léonidas	La Sarre	La Sarre
Brodie's Ltd. (x)	1070 Bleury St., Montreal	(Graniteville Guenette Mount Johnson)
Bullock, Wright	Graniteville	Ogden Twp.
Bussière, A. L. (x)	St. Sébastien	Gayhurst Twp.
Cloutier, R. L. (x)	Beebe	Beebe
Delwaide & Goffin (x)	Chicoutimi	Chicoutimi
Deschambault Quarry Corp. (x)	56 rue St. Pierre, Quebec	St. Gérard de Wolfe.
Desrocher, E.	Grand'Mère	Grand'Mère.
Didier, Jos. Belley	Jonquière	Jonquière
Dontigny, Alphonse	Glenada	Ste-Flore
Drummond Quarry Ltd.	Drummondville	Drummondville
Dubois, Honoré (x)	Rivière-à-Pierre	Colbert Tp.
Foucault, J. E.	1227 St. Hubert St., Montreal	Beebe
Frontenac Granite Quarries (x)	Scott Junction	Whitton Twp.

DIRECTORY, 1938 (Continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

GRANITE - Continued

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>QUEBEC</u> -- Concluded		
Gagnon, Arthur Gingras & Frère Ltée (x)	Chemin St. Louis, Grand'Mère St. Marc des Carrières	Grand'Mère Almaville & Stanhope
Granit National Ltée, Le (x) Granit Rouge de St. Canut Eng. (x)	St. Joseph d'Alma 10,622 Laverdure, Montreal	Lac St. Jean Co. Guenette & St. Canut
Grenier Elie Haselton, W.M. Granite Quarries (x)	Glenada Beebe	Glenada Stanstead Co.
Henrikson & Hokanson Interprovincial Construction Inc.	R. R. 1 Beebe Rigaud	Graniteville Rigaud
La Carrière d'Amos Lacasse & Boulais Laroche, Omar	Amos Box 23, Beebe Rivière-à-Pierre	Amos Beebe Rivière-à- Pierre
Maltais, Charles	St. Joseph d'Alma	St. Joseph d'Alma
McIntosh, Robert Quebec Dept. of Highways Perron, Stanislas (x) Port Alfred, Town of Riverin & Riverin	Beebe Quebec Rivière-à-Pierre Port Alfred Chicoutimi	Beebe Various Portneuf Co. Port Alfred Chicoutimi
St. Bruno Quarry & Pg. Co. Ltd. St. Jerome, Ville de St. Maurice Power Corp. Scotstown Granite Co. Ltd. (x) Silver Granite Co. Ltd. (x)	636 Ave. Querbes, Outremont St. Jerome 107 Craig St. W., Montreal 1406 University Tower Bldg., Montreal 180 Côte d'Abraham, Quebec	Chambly Co. St. Jerome La Tuque Lingwick Twp. Rivière-à- Pierre
Stanstead Granite Quarries Co. Ltd. (x) Voyer, F. & Frère (x)	Beebe Rivière-à-Pierre	St. Samuel Station Graniteville Rivière-à- Pierre
Wilkinson, Frank L. (x)	Beebe	Stanstead Co.
<u>ONTARIO</u>		
Building Products Ltd.	Box 6063, Montreal, Que.	Verona, Moun- tain Grove
Campbell Construction Co. Ltd. Canadian Dredge & Dock Co. Ltd.	137 Wellington St. W., Toronto Midland	Escott Twp. Skuniah Twp.

DIRECTORY, 1938 (Continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

GRANITE - Continued

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>ONTARIO</u> - Concl'd.		
Fort William, City of	Fort William	Mt. McKay
Grenville Crushed Rock Co. Ltd.	917 Keefer Bldg., Montreal	Hawk Lake
R. B. Hall	Parry Sound	Parry Sound
Hewitson Construction Co. Ltd.	Port Arthur	McIntyre Twp.
Horne, Wm. Granite Quarries (x)	Butler via Ignace	Butler
Hydro Electric Power Commission	620 University Ave., Toronto	Patricia Dist. Cockrane Dist.
Ontario Rock Co. Ltd.	320 Bay St., Toronto	Belmont & Methuen Twps.
<u>MANITOBA</u>		
Winnitoba Marble Co. Ltd. (x)	1180 Wall St., Winnipeg	Hawk Lake & Hodgson
<u>BRITISH COLUMBIA</u>		
B.C. Monumental Works Ltd. (x)	27 Kingsway, Vancouver	Granite Island
Canadian National Railways	Montreal, Que.	Various
Canadian Pacific Railways	Montreal, Que.	Ashcroft
Coast Quarries Ltd.	1840 Georgia St. W., Vancouver	Granite Falls
Gilley Bros. Ltd.	902 Columbia St., New Westminster	New West- minster
Nelson, City of	Nelson	Kootenay Dist.
Nelson Granite & Monumental Co.	505 Front St., Nelson	Nelson
Port Alberni, City of	Port Alberni	Alberni
Prince Rupert, City of	Prince Rupert	Prince Rupert
Vancouver Granite Co. Ltd.	932 Marine Bldg., Vancouver	Nelson Island
Vernon Granite & Marble Co. (x)	Box 265, Vernon	Yale Dist.
Wilson, James S. (x)	Sirdar	Sirdar

LIMESTONE

NOVA SCOTIA

Eastern Lime Co. Ltd.	Windsor	Windsor
H. & MacD Lime Co.	Windsor	Windsor
Kirkpatrick, Robie	Kirkhill	Kirkhill
McLean, Peter	Nappan	Nappan

DIRECTORY, 1938 (continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

<u>NOVA SCOTIA - concluded</u>	<u>LIMESTONE (Continued)</u>	
<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
Mersey Paper Co. Ltd.	Liverpool	East River
Montgomery, D. J.	North River Bridge	Meadow
Mosher, O. P. and Sons	Musquodoboit Harbour	Musquodoboit Hbr.
North Inverness Lime Crushing Association	Grand Etang	Cheticamp
N. S. Dept. of Agriculture	Truro	Various
N. S. Dept. of Highways	Halifax	Various
Smiley, Howard	Newport	Newport
 <u>NEW BRUNSWICK -</u>		
Clark, J. Sutton	L'Etang	L'Etang
Snowflake Lime Ltd.	Saint John	Saint John
 <u>QUEBEC -</u>		
Andorno, J. E.	Cap St. Martin	Cap St. Martin
Babin, Emilien	Rivière Caplane	Rivière Caplane
Beaudry, J. Pitre	41 rue Taché, Joliette	Joliette
Belanger, P. and A.	Sayabec	Grande Rivière
Blais, Jos.	Levis	Levis
Canada Cement Co. Ltd.	Box 290, Station B. Montreal	Hull & Montreal East
Canadian Quarries Ltd.	4740 rue Iberville, Montreal	Montreal
Carrière Chateau Enrg.	Chateau Richer	Chateau Richer
Carrière du Cap St. Martin Enrg.	636 Querbes, Outremont	Cap St. Martin
Carrière Gravel Ltée	Chateau Richer	Chateau Richer
Carrière de St. Barthélemi Ltée	St. Barthélemi	St. Barthélemi
Carrière St. Dominique Ltée	2805 Lacordaire St., Montreal	St. Dominique
Carrières St. Marc Ltée	St. Marc des Carrières	St. Marc des Carrières
Carrière St. Maurice Ltée	307 rue Alexandre, Trois-Rivières	Champlain Co.
Carrière Trois-Rivières Ltée	St. Louis de France	St. Louis de France
Carrière Turcotte & Asselin Enrg.	Chateau Richer	Chateau River
Charbonneau, Lucien	St. François-de-Sales	Laval Co.
Chenel, Rev. J. E.	Port Daniel East	Port Daniel E.
Dept. of Justice	Ottawa	St. Vincent de Paul
Deschambault Quarry Corp.(x)	56 rue St. Pierre, Quebec	St. Marc des Carrières
Dominion Lime Ltd.	East Angus	Lime Ridge
Drouin, Madame Eva Cimon	Ste-Justine	Ste-Justine

DIRECTORY, 1938 (continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

LIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>QUEBEC -- continued</u>		
Durocher, Cyrille	11,021 Notre Dame E., Montreal E.	Montreal E.
Faubert, Alphonse	De Léry	Chateauguay Co.
Filion, Adélarde	Lachute	Lachute
Fillion, Joseph	200 Notre Dame, Lachine	Lachine
Fortin, Georges	St. Honoré de Chicoutimi	Chicoutimi
Francoeur, J. B.	St. Godfroi	St. Godfroi
Fuger & Smith Ltd.	Pointe Claire	Pointe Claire
Gagné, Eugène	Métabetchouan	Métabetchouan
Gaspesian Fertilizer Co.	Port Daniel E.	Port Daniel E.
Gauthier, Jos. O., Ltd. (x)	St. Marc des Carrières	St. Marc des Carrières
Gauthier, René	7652 Henri Julien, Montreal	Bélanger Tp.
Gingras & Frère Ltée (x)	St. Marc des Carrières	St. Marc des Carrières
Harrison, George & Cie	Ponceville	Matane Co.
Kennedy Construction Co. Ltd.	407 McGill St., Montreal	Actonvale
Laberge & Marchand	Chateauguay	Chateauguay
Lagasé, Nap.	L'Abord-à-Plouffe	St. Martin
Lakeshore Construction Co.	Pointe-Claire	Pointe-Claire
Lamothe, Napoléon	Pont Rouge	Pont Rouge
Langlois, Wilbrod	105 Côte de la Montagne, Quebec	Val Brillant
La Pierre a Chaux Ltée	St-Marc des Carrières	St. Marc des Carrières
Lapointe, A. & E. (x)	12,034 Lachapelle, Montréal	Cartierville
Lapointe, Emile	St. Dominique, Bagot	St. Dominique, Bagot.
Lasalle Products Ltd.	159 W. Jean Talon St., Montreal	Ville St. Michel
Laurentian Stone Co. Ltd.	195 Nicholas St., Ottawa, Ont.	Wrightville
Drapeau, J. J.	Drapeau	Drapeau
Lecrenier, Victor (x)	10,832 St. Lawrence Blvd., Montreal	Cap St. Martin
Leroux, L. P.	Beaconsfield	Beaconsfield
Lessard, Joseph	St. Joachim	St. Joachim
Lévesque, Armand	Roberval	Roberval
Lévesque & Langlois	Rivière-Bleue	Témiscouata
Martineau Fils Ltée (x)	517 Marie-Anne E., Montréal	Pont Viau, Montréal
Mercure, C.	9 rue St-Denis, St. Hyacinthe	Bagot Co.
Miner, R. H. Co. Ltd.	7411 de Lanaudière St., Montreal	St. Laurent
Montreal Quarry Ltd.	6217 de Lanaudière St., Montreal	Montreal
National Quarries Ltd.	6301 Park Ave., Montreal	Côte St-Michel
Noel, Oscar	61 Montcalm Ave., Hull	Wrightville
Paquette, Lévis & Cie (x)	Cap St. Martin	Cap St. Martin

DIRECTORY, 1938 (continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

LIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>QUEBEC</u> -- continued		
Pearson, Honoré Pelletier, Joseph E.	Port Daniel Station Ste-Anne des Monts	Bonaventure Co. Ste-Anne des Monts
Quebec Dept. of Highways St. Francis Rock Products and Equipment Ltd.	Quebec 8050 Bloomfield Ave., Montreal	Various St. Laurent Parish
St. Laurent Quarry Ltd. St. Michel Lime Co.	Ville St. Laurent 2285 Cote St. Michel, Montreal	Laval Co. Montreal
St. Onge, Omer Shawinigan Chemicals Ltd. Société des Agriculteurs de Lévis	St. Dominique de Bagot Box 6072, Montreal 249 rue St. Georges, Lévis	St. Dominique Bedford Lévis
Standard Clay Products Ltd. Standard Lime Co. Ltd.	Box 189, St. John Joliette	St. John St. Paul de Joliette
Trappist Fathers Stone & Quarry Ltd. (x) Tremblay, Napoléon Trudel, Nap. & Fils Union des Carrières & Pavages Ltée	Village des Pères 6217 de Lanauderie St., Montreal 31 rue Joffre, Hull St. Irénée 3 Blvd. Charest, Quebec	Village des Pères St-François-de- Hull (Sales Charlevoix Co. Charlesbourg
Valleyfield, City of Verreault, E. Ltd. (x) Villeneuve, François	Valleyfield 194 rue du Pont, Quebec Pointe-au-Pic	New Salaberry Giffard Pointe-au-Pic
<u>ONTARIO</u> --		
Brunner, Mond Canada Ltd. Campbell Construction Co. Ltd. Canada Cement Co. Ltd.	Bank of Commerce Bldg., Toronto 137 Wellington St. W., Toronto Box 290, Station B, Montreal	Essex Co. Gilmour Hull & Montreal East
Canada Crushed Stone Corp.Ltd.	Sun Life Bldg., Hamilton	(W. Flamboro Tp. Hagersville Oso Twp.
Code, W. H. Coldwater Crushed Stone Ltd. Collingwood, Town of Cook, J. S. (x) Foster, R. R. Gow, James Gypsum, Lime & Alabastine Can. Ltd.	Smiths Falls Coldwater Collingwood Warton 86 Spadina Ave., Ottawa Fergus Paris	Simcoe Co. Collingwood Bruce Co. Nepean Twp. Fergus Hespeler, Beachville & Milton Hagersville
Hagersville Quarries Ltd.	Hagersville	

DIRECTORY, 1938 (continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

LIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>ONTARIO -- continued</u>		
Haldimand Quarries & Constr. Ltd.	137 Wellington St. W., Toronto	Hagersville
Harvey, Harold H.	Kingston	Vernon, Howe Island, Alexandria
Hicks, Wm. & Son	Owen Sound	Owen Sound
Innerkip Quarries Ltd.	Fleet St., Toronto	Innerkip
Johnson Bros. Co. Ltd.	Brantford	Burleigh Falls
Kehoe, P. J.	Brechin	Haliburton Co.
Kingston Penitentiary (x)	Dept. of Justice, Ottawa	Portsmouth
Kirby Bros. Supply Co. Ltd.	215 Sussex St., Ottawa	Gloucester Twp.
Kirkfield Crushed Stone Ltd.	Fleet St., Toronto	Kirkfield
Law Construction Ltd.	225 Sterling Road, Toronto	Allenford
Law, R.E., Crushed Stone Ltd.	Port Colborne	Port Colborne
Limestone Products Ltd.	1104 Hermant Bldg., Toronto	N. Orillia Twp.
Longford Quarries Ltd.	Sun Life Bldg., Hamilton	Longford Mills
McGinnis & O'Connor	King St., Kingston	Adolphustown
Noranda Mines Ltd.	1600 Royal Bank Bldg., Toronto	Haileybury
North American Cyanamid Ltd.	Royal Bank Bldg. Toronto	Beachville
Ontario Dept. of Highways	Parliament Bldgs., Toronto	Various
Ontario Reformatory	Parliament Bldgs., Toronto	Guelph
Ontario Rock Co. Ltd.	320 Bay St., Toronto	Belmont & Methuen Twps.
Pirson, John	Stevensville	Bertie Twp.
Queenston Quarries Ltd. (x)	76 Sun Life Bldg., Hamilton	St. Davids
Rayner Construction Ltd.	29 Commercial St., Leaside	Coboconk
Routly Construction Co. Ltd.	21 Dundas Sq., Toronto	Rawdon & Portland Twps.
Walker Bros.	Box 586, Thorold	Stamford Twp.
Wehman, John	23 Plum St., Kingston	Kingston Twp.
Welland Canal	St. Catherines	St. Catherines
<u>MANITOBA --</u>		
Gillis Quarries Ltd.	Richards & Spruce Sts., Winnipeg	Garson & Stonewall
Manitoba Dept. of Highways	Winnipeg	Various
Tyndall Quarry Co. Ltd. (x)	1591 Erin St., Winnipeg	Garson
Winnipeg, City of	Winnipeg	Stony Mountain
Winnipeg Supply & Fuel Co. Ltd.	812 Boyd Bldg., Winnipeg	(Spearhill Stonewall)

DIRECTORY, 1938 (continued)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

LIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>ALBERTA -</u>		
Loder's Lime Co. Ltd.	Kananaskis	Kananaskis
Summit Lime Works	Box 273, Lethbridge	Lethbridge
<u>BRITISH COLUMBIA</u>		
Agostinelli & Vannucchi	957 Rossland Ave., Trail	Fife Station
B. C. Dept. of Highways	Victoria	Various
B. C. Pulp & Paper Co. Ltd.	Bank of Nova Scotia Bldg., Vancouver	Quatsino M.D.
Christensen, P. (Koeys Lime Quarries)	Nami	Nami
Cons. Mg. & Smelting Co. of Canada Ltd.	Trail	Kootenay Lake
Coulter, Thomas Hugh	Van Anda	Van Anda
Deeks Sand & Gravel Co. Ltd.	101 W. 1st Ave., Vancouver	(Seymour Creek Coquitlam Texada Island Trail
Pacific Lime Co. Ltd.	744 Hastings St. W., Vancouver	
Trail, City of	Trail	

MARBLE

QUEBEC --

Canada Marble & Lime Co. Reg.	74 Blvd. Levesque, L'Abord-a-Plouffe	L'Annonciation
Missisquoi Stone & Marble Co. Ltd. (x)	Phillipsburg	Phillipsburg
White Grit Co.	Hurdman Road, Ottawa	Portage du Fort

ONTARIO --

Bolender Bros. (White Star Mine)	Haliburton	Haliburton
Bonter Marble & Calcium Co. Ltd.	Box 61, Marmora	Marmora Twp.
Connolly Marble, Mosaic & Tile Co. Ltd.	316 Dupont St., Toronto	Madoc Twp.
Orser, S. H. (x)	Verona	Verona
Silvertone Black Marble Quarries Ltd.	305 O'Connor St., Ottawa	St. Albert
Stockloser, Karl	Madoc	Eldorado

DIRECTORY, 1938 (concluded)

STONE QUARRYING INDUSTRY

Note - (x) Firms operating dressing works in conjunction with quarry.

SANDSTONE

NOVA SCOTIA -

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
Fairview Crushed Stone Co. Ltd.	N. Gottingen St., Halifax	Fairview
N. S. Dept. of Highways	Halifax	Various
Wallace Quarries Ltd. (x)	Wallace	Wallace

NEW BRUNSWICK -

Read Stone Co. Ltd. (x)	Sackville	Stonehaven
Smith, E. A. (x)	Shediac	Shediac

QUEBEC -

Blais, Jos.	32 Mont-Marie, Levis	(St-Louis de Pintendre (St-Nicholas St-David Grand Remou
Gagnon & Frère Enrg.	St-David	St-David
La Cie d'Entreprises Gaspé: siennes Ltd.	Mont Joli	Grand Remou
Quebec Dept. of Highways	Quebec	Various
Rousseau, T. E.	48 - 2nd Ave., Quebec	New Carlisle
Sherbrooke, City of	Sherbrooke	Sherbrooke
Vezina, Jos. Enrg. (x)	Ste-Foy	Ste-Foy
Warren & Simard Inc.	Point-au-Pic	Point-au-Pic

ONTARIO

Campbell Sandstone Quarries Ltd. (x)	143 Main St., Westboro	Nepean Twp.
Corner, Austin	Acton	Inglewood
Mountain Sandstone Quarry	Box 307, Georgetown	Esquesing Twp.
Norton, A.W. Quarries	Limehouse	Limehouse
Sykes, Thos.	Georgetown	Glen Williams

ALBERTA

Oliver, Wm.	Cochrane	Cochrane
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BRITISH COLUMBIA

Canadian Pacific Railways	Montreal	Revelstoke
Consolidated Mg. & Smg.Co. Ltd.	Trail	Kimberley
McDonald, J.A. & C.H.Ltd. (x)	1,571 Main St., Vancouver	Haddington Is.

SLATE

QUEBEC

Broughton Soapstone & Quarry Co.	Broughton Station	Ste-Thérèse Twp.
Williamson & Crombie	Kingsbury	Kingsbury

ONTARIO

Canada Slate Products Ltd.	11 King St. W.	Toronto
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BRITISH COLUMBIA

Brown, O.M.	Kapoor	Kapoor
Richardson, Geo. W.	2635 W. 15th Ave., Vancouver	Howe Sound

2. SECONDARY PRODUCTION

THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY - 1938.

In 1938 there were 234 stone dressing works whose operations were reported separately from the quarries. These works were engaged chiefly in cutting and polishing Canadian or imported stone to produce finished monuments or dressed stone for construction purposes. Output from these establishments was valued at \$3,902,774 in 1938, a gain of 15.7 per cent over the \$3,371,242 in 1937. Ontario plants, numbering 125, accounted for 57 per cent of the total production and the 48 works in Quebec made 22 per cent.

The average number of employees in this industry in 1938 was 1,261 compared with 1,159 in the previous year; payments in salaries and wages increased to \$1,560,931 from \$1,352,566.

Purchased materials, excluding fuel and power, used in manufacturing cost \$1,271,650 in 1938 as against \$1,142,885 in 1937.

Output value of dressed monumental and ornamental stone decreased 0.6 per cent during 1938 to \$1,751,839 from \$1,762,400, and the value of dressed building stone advanced 46.9 per cent to \$1,418,306 from \$965,412 in 1937.

Table 19 - PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1925 - 1938.

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross Selling Value of products at works
		\$		\$	\$	\$	\$
1925	214	5,015,729	1,262	1,811,512	96,929	1,964,817	5,355,997
1926	232	5,443,767	1,491	2,175,223	106,492	1,859,964	5,799,690
1927	228	5,758,806	1,514	2,255,638	112,895	1,798,672	5,606,984
1928	222	6,305,519	1,686	2,578,707	105,833	2,460,900	7,176,035
1929	220	7,107,162	1,863	3,048,084	138,508	2,788,934	8,224,060
1930	226	7,468,687	1,919	3,044,877	147,459	2,759,870	8,355,605
1931	223	6,880,835	1,436	2,145,023	136,135	1,770,559	5,989,372
1932	206	5,828,109	1,003	1,200,214	108,053	928,572	2,961,914
1933	212	5,461,171	821	841,425	87,562	691,525	2,162,650
1934	218	5,194,702	881	886,809	90,874	834,323	2,407,474
1935	222	5,180,887	1,066	1,174,229	107,836	1,010,999	3,079,118
1936	227	5,766,308	1,245	1,257,808	127,151	1,070,902	3,309,911
1937	229	5,213,431	1,159	1,352,566	122,209	1,142,885	3,371,242
1938	234	5,172,014	1,261	1,560,931	138,259	1,271,650	3,902,774

Table 20 - PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1937 and 1938.

Provinces	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
<u>1937</u>							
Prince Edward Island	2	54,439	11	10,457	195	12,129	35,035
Nova Scotia	11	106,482	36	35,823	2,335	37,472	111,581
New Brunswick	7	80,268	33	30,760	2,406	17,681	75,417
Quebec	46	1,124,196	269	300,778	29,388	242,724	691,420
Ontario	121	2,835,211	613	738,212	71,768	696,087	1,924,360
Manitoba	13	243,401	58	55,689	4,549	33,540	115,574
Saskatchewan	10	154,058	37	38,032	3,183	33,949	100,638
Alberta	5	243,662	34	45,646	2,543	16,735	109,940
British Columbia ...	14	371,714	68	97,169	5,842	52,568	207,277
CANADA	229	5,213,431	1,159	1,352,566	122,209	1,142,885	3,371,242
<u>1938</u>							
Prince Edward Island	2	48,686	10	10,360	204	11,800	34,143
Nova Scotia	10	99,046	41	36,930	2,772	37,812	113,758
New Brunswick	5	62,442	22	22,415	1,937	15,330	55,699
Quebec	48	1,298,865	309	355,573	34,735	278,666	857,814
Ontario	125	2,865,933	674	887,480	82,989	754,124	2,248,014
Manitoba	14	196,646	67	58,135	4,259	45,047	137,326
Saskatchewan	10	159,038	29	38,950	3,433	24,328	83,845
Alberta	7	268,621	37	49,935	2,760	25,221	131,766
British Columbia ...	13	172,737	72	101,153	5,170	79,322	240,409
CANADA	234	5,172,014	1,261	1,560,931	138,259	1,271,650	3,902,774

Table 21 - CAPITAL EMPLOYED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 and 1938.

Provinces	Present value of land, buildings, fixtures, machinery and tools	Inventory value of materials on hand, finished products and stocks in process	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1937</u>				
Prince Edward Island	13,000	29,800	904,675	54,439
Nova Scotia	55,800	23,021	27,661	106,482
New Brunswick	45,725	17,613	16,930	80,268
Quebec	737,671	285,569	100,956	1,124,196
Ontario	1,810,785	552,053	472,373	2,835,211
Manitoba	67,757	99,834	75,810	243,401
Saskatchewan	64,432	39,571	50,055	154,058
Alberta	128,304	32,820	82,538	243,662
British Columbia ...	272,856	32,145	66,713	371,714
CANADA	3,196,330	1,112,426	904,675	5,213,431
<u>1938</u>				
Prince Edward Island	13,500	22,750	12,436	48,686
Nova Scotia	55,174	21,688	22,184	99,046
New Brunswick	32,325	16,765	13,352	62,442
Quebec	747,011	280,423	271,431	1,298,865
Ontario	1,768,681	529,859	567,393	2,865,933
Manitoba	71,963	79,519	45,164	196,646
Saskatchewan	68,566	38,177	52,295	159,038
Alberta	140,084	36,352	92,185	268,621
British Columbia ...	100,757	27,538	44,442	172,737
CANADA	2,998,061	1,053,071	1,120,882	5,172,014

Table 22 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1938.

	Number of plants		Capital employed	Number of employees	Selling value of products at works
			\$		\$
(a) PRODUCTION					
Under \$5,000	74		373,456	111	208,854
\$5,000 to \$10,000	65		608,737	176	471,176
\$10,001 to \$25,000	64		1,201,372	312	970,341
\$25,001 to \$50,000	12		889,874	146	408,085
\$50,001 to \$100,000	14		1,218,278	292	897,333
Over \$100,000	5		880,297	224	946,985
TOTAL	234		5,172,014	1,261	3,902,774
(b) NUMBER OF EMPLOYEES					
1 or 2	102		566,978	146	434,375
3 to 10	107		1,834,326	500	1,408,902
11 to 20	11		954,030	169	615,813
Over 20	14		1,816,680	446	1,443,644
TOTAL	234		5,172,014	1,261	3,902,774
(c) CAPITAL EMPLOYED					
Under \$25,000	187		1,576,865	512	1,418,781
\$25,000 to \$100,000	33		1,390,939	360	1,196,619
Over \$100,000	14		2,204,210	389	1,287,374
TOTAL	234		5,172,014	1,261	3,902,774

Table 23 - EMPLOYEES, SALARIES AND WAGES OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1937 and 1938.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES AND WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
1937								
Prince Edward Island	2	-	9	-	11	3,000	7,457	10,457
Nova Scotia	9	1	26	-	36	12,730	23,093	35,823
New Brunswick	8	3	21	1	33	12,055	18,705	30,760
Quebec	84	5	180	-	269	120,063	180,715	300,778
Ontario	183	20	407	3	613	294,334	443,878	738,212
Manitoba	17	3	38	-	58	24,471	31,218	55,689
Saskatchewan	16	1	20	-	37	19,467	18,565	38,032
Alberta	10	3	19	2	34	22,245	23,401	45,646
British Columbia	21	2	44	1	68	36,547	60,622	97,169
CANADA	350	38	764	7	1,159	544,912	807,654	1,352,566
1938								
Prince Edward Island	2	-	8	-	10	3,500	6,860	10,360
Nova Scotia	13	1	27	-	41	15,423	21,507	36,930
New Brunswick	5	3	13	1	22	9,328	13,087	22,415
Quebec	80	7	222	-	309	118,851	236,722	355,573
Ontario	196	16	456	6	674	336,583	550,897	887,480
Manitoba	24	4	39	-	67	26,642	31,493	58,135
Saskatchewan	15	-	14	-	29	20,626	18,324	38,950
Alberta	12	3	20	2	37	23,135	26,800	49,935
British Columbia	22	2	47	1	72	34,888	66,265	101,153
CANADA	369	36	846	10	1,261	588,976	971,955	1,560,931

Table 24 - WAGE-EARNERS, BY MONTHS, 1937 and 1938 (On the last day of month or nearest representative date)

Months	1937			1938		
	Male	Female	Total	Male	Female	Total
January	431	3	434	615	6	621
February	404	3	407	621	5	626
March	497	4	501	720	8	728
April	694	5	699	830	9	839
May	733	7	740	870	10	880
June	861	7	868	914	9	923
July	897	13	910	945	9	954
August	917	8	925	1,045	9	1,054
September	939	7	946	972	9	981
October	988	7	995	917	8	925
November	928	6	934	835	8	843
December	770	5	775	736	7	743
AVERAGE	764	7	771	846	10	856

Table 25 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS (OVERTIME NOT INCLUDED), 1938.

Regular hours worked per week	Per cent of wage-earners	Regular hours worked per week	Per cent of wage-earners
	1937		1938
30 hours or less	8.9	49-50 hours	7.4
31-43 hours	14.4	51-54 hours	8.9
44 hours	25.0	55 hours	2.7
45-47 hours	1.8	56-64 hours	8.4
48 hours	19.0	65 hours and over	3.5

Table 26 - FUEL AND ELECTRICITY USED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 and 1938.

Kinds	Unit of measure	1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	short ton	308	2,469	238	2,088
Imported	short ton	1,397	8,946	1,446	8,318
Anthracite coal	short ton	143	1,793	348	3,412
Lignite coal	short ton	-	-	-	-
Coke	short ton	740	6,901	866	8,116
Gasoline	Imp. gal.	7,390	1,923	12,732	3,512
Kerosene or coal oil	Imp. gal.	1,566	135	135	37
Fuel oil	Imp. gal.	68,540	4,296	35,600	3,181
Wood	cord	708	2,977	331	1,608
Gas - Manufactured	M cu. ft.	148	138	107	95
Natural	M cu. ft.	2,970	1,572	656	437
Other fuel	xxx	-	640	-	1,098
Electricity purchased	k. w. h.	5,175,879	90,419	10,820,887	106,357
TOTAL	xxx	-	122,209	-	138,259

Table 27 - POWER EQUIPMENT IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 and 1938.

Kinds	1937		1938	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines ..	6	120	1	150
Diesel engines	1	17	3	106
Gasoline, gas and oil engines	15	352	14	218
Hydraulic turbines or water wheels	-	-	1	25
Total Primary Equipment	22	489	19	499
Electric motors run by purchased power	698	9,669	785	10,946
TOTAL	720	10,158	804	11,445
Electric motors operated by power generated	-	-	1	5
Total Electric Motors	699	9,674	805	11,450
Boilers	9	605	3	175

Table 28 - COST OF STONE USED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 and 1938.

	Cost at works	
	1937	1938
	\$	\$
Granite and Marble from Canadian quarries	500,250	647,007
Granite and Marble (imported)	304,008	260,572
Monuments, cut and polished, for lettering only	171,265	189,357
All other materials	167,362	174,714
TOTAL	1,142,885	1,271,650

Table 29 - PRODUCTS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 and 1938.

Products	TOTAL SELLING VALUE AT WORKS	
	1937	1938
	\$	\$
Granite, cut and polished -		
(a) Monuments	1,468,895	1,515,000
(b) For building purposes	179,557	216,485
Marble, cut and polished -		
(a) Monuments	176,101	127,803
(b) For building purposes	347,405	369,698
Marble chips and dust	10,419	81,512
Limestone -		
(a) Monuments and bases	117,404	109,036
(b) For building purposes	438,450	832,123
Finished monuments, lettered only	356,629	385,669
Other products	220,623	210,491
Repairs and custom work (re-lettering, etc.)	55,759	55,157
TOTAL	3,371,242	3,902,774

Table 30 - PRODUCTION FROM THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1937 and 1938.

	GRANITE		MARBLE			LIMESTONE		Finished	Other products	TOTAL
	Monu-ments	For building purposes	Monu-ments	For building purposes	Marble chips and dust	Monu-ments and bases	For building purposes	Monu-ments, lettered only		
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Prince Edward Island -										
1937	9,000	67	17,400	-	-	-	-	8,568	-	33,035
1938	14,610	108	-	13,250	-	-	-	6,175	-	34,143
Nova Scotia -										
1937	59,888	89	14,046	737	-	2,954	31,669	-	2,198	111,581
1938	71,476	100	11,179	-	-	2,591	-	24,650	3,762	113,758
New Brunswick -										
1937	70,367	1,000	1,340	-	-	1,430	-	1,030	250	75,417
1938	50,789	1,290	700	1,520	-	-	-	1,100	300	55,699
Quebec -										
1937	316,326	53,507	29,598	101,979	2,800	3,745	119,457	23,277	40,731	691,420
1938	323,656	40,004	28,068	203,539	67,923	13,993	140,783	22,822	17,026	857,814
Ontario -										
1937	800,638	25,913	65,075	187,649	-	100,577	266,483	264,542	213,483	1,924,360
1938	819,917	15,123	40,121	142,964	75	63,431	669,865	264,559	231,959	2,248,014
Manitoba -										
1937	48,563	1,554	6,674	19,200	350	1,150	3,711	31,217	3,155	115,574
1938	69,190	670	7,457	8,250	325	11,785	-	34,990	34,659	137,326
Saskatchewan -										
1937	41,773	1,933	23,883	958	229	4,850	5,430	14,113	7,469	100,638
1938	31,266	670	21,718	175	2,980	4,918	3,475	13,933	4,710	83,845
Alberta -										
1937	48,103	6,000	15,389	5,000	7,040	2,498	10,500	12,212	3,198	109,940
1938	61,131	8,000	16,316	-	10,009	3,628	18,000	13,480	1,202	131,766
British Columbia -										
1937	74,237	89,494	2,696	31,882	-	200	1,200	1,670	5,898	207,277
1938	72,965	150,520	2,244	-	-	8,690	-	3,960	2,030	240,409
CANADA -										
1937	1,468,895	179,557	176,101	347,405	10,419	117,404	438,450	356,629	276,382	3,371,242
1938	1,515,000	216,485	127,803	369,968	81,312	109,036	832,123	385,669	265,648	3,902,774

Table 31 -- TOTAL PRODUCTION IN CANADA OF DRESSED BUILDING STONE, 1925 - 1938.

Years	GRANITE		MARBLE		LIMESTONE		Sandstone from quarries	TOTAL
	From quarries	From dressing works	From quarries	From dressing works	From quarries	From dressing works		
	\$	\$	\$	\$	\$	\$		
1925 ..	236,651	73,376	223,840	573,602	378,194	1,909,212	18,114	3,412,989
1926 ..	190,711	74,792	4,500	644,945	662,211	1,969,755	13,036	3,559,950
1927 ..	267,194	83,877	-	673,126	716,929	1,713,445	8,784	3,463,355
1928 ..	667,050	314,553	340,585	883,076	702,081	2,861,336	18,000	5,786,681
1929 ..	746,537	465,185	347,256	1,621,112	944,491	2,739,504	92,500	6,956,585
1930 ..	1,189,120	902,519	687,115	1,339,108	1,416,277	2,706,390	286,972	8,527,501
1931 ..	1,011,499	1,032,202	576,458	1,054,952	1,085,767	1,372,131	686,616	6,819,615
1932 ..	336,632	79,136	188,743	339,627	348,187	636,294	20,580	1,949,199
1933 ..	114,318	40,224	27,377	73,445	111,235	281,074	19,300	666,973
1934 ..	216,574	35,957	-	137,902	173,536	280,279	5,500	849,748
1935 ..	403,951	184,033	16,000	130,227	425,247	837,985	97,400	2,094,843
1936 ..	171,858	330,306	104,738	175,834	189,064	514,375	167,859	1,654,034
1937 ..	252,346	179,557	18,297	347,405	248,659	438,450	51,893	1,536,607
1938 ..	244,501	216,485	1,440	369,698	227,324	832,123	83,692	1,975,263

Table 32 -- TOTAL PRODUCTION IN CANADA OF DRESSED MONUMENTAL AND ORNAMENTAL STONE, 1925 - 1938.

	GRANITE		MARBLE		LIMESTONE		TOTAL
	From quarries	From dressing works	From quarries	From dressing works	From quarries	From dressing works	
	\$	\$	\$	\$	\$	\$	
1925 ..	188,513	1,387,658	-	292,621	754	154,488	2,024,034
1926 ..	196,820	1,619,206	466,648	376,859	3,908	94,446	2,757,887
1927 ..	147,510	1,728,293	449,717	420,651	1,523	97,264	2,844,958
1928 ..	125,744	1,718,988	9,700	404,058	2,237	132,406	2,393,133
1929 ..	149,810	1,815,463	-	391,947	4,722	325,876	2,687,818
1930 ..	111,504	1,815,143	-	350,323	3,577	319,472	2,600,019
1931 ..	251,379	1,584,099	-	257,668	6,300	43,584	2,143,030
1932 ..	196,071	1,164,283	-	180,323	2,532	43,652	1,586,861
1933 ..	215,616	1,111,354	-	200,313	2,868	30,370	1,560,521
1934 ..	244,286	1,271,009	24,342	168,201	3,488	27,036	1,738,362
1935 ..	277,568	1,268,414	-	158,249	1,680	26,690	1,732,601
1936 ..	231,482	1,317,005	-	150,629	-	35,162	1,734,278
1937 ..	278,140	1,468,895	(x) 900	176,101	2,335	117,404	1,983,775
1938 ..	294,001	1,515,000	2,644	127,803	79,156	109,036	2,127,640

(x) Sandstone.

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1938.

NOTE - These dressing works are operated separately from the quarries.

Names of Companies

Location of Plants

PRINCE EDWARD ISLAND -

Beck, Vere & Son
Chandler & Bell

Main St., Montague
Malpeque Road, Charlottetown

NOVA SCOTIA -

Coughlan, James S.
Dauphinee, A. T.
Keddy, C. L. Monumental Works
Kelly Monumental Works
Nixon's Monumental Works
Rottler, A. A.
Steele, John D., & Sons
Tingley, Harold
Tingley, J. A., Granite Works
Truro Marble & Granite Works

Simpson's Siding, Halifax
Horton St., Yarmouth
171 Kempt Rd., Halifax
Bridge Water
R. R. 3, Middleton
Main St., Kentville
Commercial St., North Sydney
13 Merkel St., Halifax
Amherst
92 Walker St., Truro

NEW BRUNSWICK -

Kane, M. T., & Co. Ltd.
Miramichi Granite & Marble Works
St. Stephen Granite Works
Sherrard, T. F., & Son
Stultz, Chester E.

Westmoreland Rd., Saint John
Chatham
Queen St., St. Stephen
135 Victoria St., Moncton
Rothesay Ave., Saint John

QUEBEC -

Anderson, James
Beaudet & Frenette Ltée
Beaulieu, Elzéar
Berson, L., & Son

Brault, Z.
Brodie's Ltd.
Brunet, A.
Brunet, J., Limitée

Caron, E.
Chabot, J. Ray
Chausse, Edouard & Fils
Coté, Valère, Inc.
Crête, James
Dalceggio, F.

Daudelin, Napoléon
Delwaide & Goffin
Ducharme, J. Maurice
Dugas, Joseph
Dussault, Theo. & Cie.

Box 125, Beebe
Mont Joli
Ste. Hélène, Kamouraska
3896 St. Lawrence Blvd.,
Montreal
1 Champlain St., Valleyfield
9th Ave., Iberville
Ornostown
4485 Chemin Côte des Neiges,
Montreal
Ste. Anne de Beaupré
Scott Junction, Co. Dorchester
57 rue Aberdeen, Sherbrooke
187 First Ave., Quebec
190 Sophie St., Sorel
4588 Chemin Côte des Neiges,
Montreal
92 Mondor St., St. Hyacinthe
16 rue du Havre, Chicoutimi
257 Notre Dame St., Victoriaville
191 St. Charles Borrome, Joliette
Mont Laurier

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1938. (continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>QUEBEC</u> - concluded	
Fortin, Dollard	St. David de Levis
Gagnac, Azarias	St. Alban
Gingras, Roch	Ste. Foy
Godin & Delisle	1253 St. Vallier St., Quebec
Gordon Stone Monument Reg'd.	4374 St. Lawrence Blvd., Montreal
Gosselin, Arsène	Côte de la Station, Beauceville Est.
Gosselin, Oscar	Lake Megantic (Frontenac Co.)
Hansford, Frank	14 Baldwin St., Coaticook
Hawkins, S.	1116 Bleury St., Montreal
Hurtubise, Albert	6752 Sherbrooke St. E., Montreal
Jacques, André	18 Shaw St., Levis
Lachute Marble & Granite Works	Main St., Lachute
Lafresnaye, Louis	Rivière du Loup
Lagalle Stone Co. Ltd.	Lafleur Ave., Ville La Salle
National Granite Works Ltd.	Iberville
Paquin, Laurent	1043 Blvd. des Forges, Three Rivers
Picard, Mme E.	3285 Desautels, Montreal
Quinlan Cut Stone Ltd.	Bois Franc Rd., Cartierville
Robertson, Fred	Beebe Jct.
Rolland, J. A.	1285 rue St. Vallier, Quebec
Savard, Armand	27 Lemoine St., Longueuil
Savard, J. Bte.	Ste. Anne de la Perade
Servais, René	1035 des Forges Blvd., Three Rivers
Smith Bros. Memorial Art Ltd.	1195 Ducharme St., Montreal
Smith Marble & Cons. Co. Ltd.	207 Van Horne Ave., Montreal
Sutton Marble & Granite Co.	Sutton
Thompson, T. C.	270 Wellington St. S., Sherbrooke
Thuot & Denicourt	87 Fourth St., Iberville
Todoro & Bigras	3275 Desautels St., Montreal
<u>ONTARIO</u> -	
Allan Bros.	11 Cambridge St., Lindsay
Alpaugh, J., & Sons	St. Andrews St., Fergus
Ambroise, L. & Son (West End Monumental Works)	58 Alma St., Guelph
Bayview Memorial Co.	Willow Cove
Bayne, D. M.	Kemptville
Beaver Marble & Granite Works	Brock St. W., Uxbridge
Bounsall, A. H.	Division St., Bowmanville
Bawden Marble & Granite	782 Second Ave. E., Owen Sound
Bowers, Chas. Henry	226 King St., Prescott
Bradfield, W. & Son	535 Main St., Simcoe
Brampton Monument Works	68 Queen St. W., Brampton
Brantford Monument Works	Cor. Gray and Market Sts., Brantford

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1938. (continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
Braun Monument Works	16 Andrew St., Kitchener
Brockville Cemetary Memorial Works	R. R. 3, Brockville
Brown, R., & Son	376 Sparks St., Ottawa
Brown, Geo. W., Monumental Works	473 Bronson Ave., Ottawa
Campbell, A. C.	21 Bridge St. W., Belleville
Canadian Art Memorials	819 St. Clarens, Toronto
Canadian Cut Stone Co.	5 Isabella St., Ottawa
Canadian Gypsum Co. Ltd.	Oak St., Weston
Chapman, Wm. E. (Seaforth Monumental Works)	Seaforth
Clarke, D., & Co.	1044 Howard Ave., Windsor
Cobourg Granite & Marble Works	King St., Cobourg
Colby, C. H. (Chatham Marble & Granite Works)	39 Market Square, Chatham
Collingwood Granite & Marble Works	Simcoe St., Collingwood
Corley, A. C.	Main St., Brighton
Coughlin Monumental Works	216 Hunter St. W., Peterborough
Creber Son & Co.	1333 St. Clair Ave. W., Toronto
Cresswell, W. H. & Son	187 Kent St., Lindsay
Cunningham & Pryde	Main St., Exter
Dillon, Joseph	55 Stone St., Gananoque
Doyle, J. E.	269 Eighth St. E., Owen Sound
Elgin Memorial Works	20 Elgin St., St. Thomas
Excelsior Granite & Marble Works	163 Pitt St. E., Windsor
Fallon Bros.	393 Princess St., Kingston
Froats, George & Co.	Argyle St., Renfrew
Galt Monumental Works	62 Water St. N., Galt
Gladstone & Ross	388 East Brock St., Fort William
George, J. T.	Port Elgin
Geard, A. W.	995 Barton St. E., Hamilton
Guelph Marble and Granite Works (G.H. Farmworth)	Elora Rd., Guelph
Hardwick, H. G., & Son	30 Ottawa St. N., Hamilton
Hayes Bros. Co.	290 Klock Ave., North Bay
Hibberd, Arthur, Cut Stone	195 Melita Ave., Toronto
Humberstone Cut Stone & Monument Works	590 King St., Humberstone
Ideal Monument Works (T. Rapson)	R. R. 4, Springbank
Insulation Products Ltd.	Todmorden P. O.
Isaac, James, & Son	30 Dupont St., Toronto
Johnston & Cranston	1849 Yonge St., Toronto
Jones & Stevens	277 Rideau St., Ottawa
Jones, W. A. & Sons	Main St. W., Picton
Kemp & Ronald	Listowel
Kilvington Bros., Ltd.	1357 St. Clair Ave. W., Toronto
Kitchener Monumental Works	311 King St. E., Kitchener
Lake Superior Granite & Marble Works	111 Wellington St. W., Sault Ste. Marie
Laings Memorials	16 Elm St., Cornwall
Laurin, J. P.	95 George St., Ottawa
Leamington Granite & Marble Works	75 Erie St. N., Leamington
Lethbridge Art Memorials	144 King St. W., Oshawa
Lloyd, Oscar P.	Smiths Falls

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1938. (continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>ONTARIO - continued</u>	
London Marble & Granite Co. Ltd.	493 Richmond St., London
Luesby, George W.	178 Main St., Newmarket
Majury, L.	Paisley
Martel, & Son	Main St., Vankleek Hill
McCallum Granite Co. Ltd.	395 Princess St., Kingston
McIntosh Granite Co.	1119 Yonge St., Toronto
McIntyre, George Co.	60 Danforth Ave., Toronto
McKay Cut Stone Co.	65 Shalmar Ave., Forest Hill Village
McMillan Granite Co. Ltd.	105 Ontario St., Sarnia
Memorial Company of Toronto	2299 Bloor St. W., Toronto
Middleton Marble & Granite Co. Ltd.	122 Main St. E., Hamilton
Monumental Art Co.	2168 Dundas St. W., Toronto
Napanee Memorial Granite Works	Dundas St., Napanee
National Cut Stone Ltd.	355 Logan Ave., Toronto
Niagara Cut Stone Co. Ltd.	Buttrey St., Niagara Falls
Nicol, John	Acton
Nicholsons Cut Stone Ltd.	Copeland St., Leaside
Nobbs, E. E.	Williams St. at C.P.R., London
Ontario Granite & Supply Co.	Hawkesbury
Ontario Marble Co. Ltd.	Maria St., Peterboro
Orillia Monument Co.	252 Coldwater Rd. W., Orillia
Patterson & Cornelius	428 Queenston Rd., St. Catharines
Peirce & Co.	295 Lorne St. S., Sudbury
Pine Hills Monument Co.	Danforth & Kennedy, Scarboro Jct.
Pollard & Miller	715 Queen St. E., Sault Ste. Marie
Pollock & Ingham	151 Main St., Galt
Porterfield & Colquhoun	Mitchell
Port Hope Monument Works	Ontario St., Port Hope
Rhodes Memorials Ltd.	Cayuga
Rigg Bros.	605 Queen St., Niagara Falls
Rivercourt Memorials	300 O'Connor Drive, Toronto
Ritchie Cut-Stone Co. Ltd.	New Toronto St., New Toronto
Ritchie Stone Co.	51 Catherine St., Ottawa
Ruch, L. J. & Son	38 Avondale Ave., Stratford
Rutledge, S. H. (Orangeville Monument Works)	Broadway Ave., Orangeville
Sanderson, R. J., Marble Co.	33 Peter St. S., Orillia
Sharp Bros. Cut Stone Co. Ltd.	516 Kenilworth St. N., Hamilton
Skelton, E. J., & Son	Yonge St., Walkerton
Smith, M., Granite Works	Merrickville
Smith Memorial Works	1539 Main St. E., Hamilton
Smith Monument Co.	349 Weston Road, Toronto
Smyth & Son	344 Wellington St., London
Spotton, R. A.	Wingham
Spun Rock Woods Ltd.	65 Ormond St., Thorold

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1938. (continued)

<u>Name of Companies</u>	<u>Location of Plants</u>
<u>ONTARIO - concluded</u>	
Standard Stone Co. Ltd.	1704 Howard Ave., Windsor
Stead, Arthur, Cut Stone Co. Ltd.	Frid St., Hamilton
Steiner's Monuments	321 College St., Toronto
Stubbs & Gibson	Morrisburg and Winchester
Strathroy Granite & Marble Co. Ltd.	Strathroy
Sudbury Memorial Works	453 Annley St., Sudbury
Taub Monuments	429 Spadina Ave., Toronto
Telephone City Memorial Works	59 Colborne St., Brantford
Terrell, Walter	356 Hopewell Ave., Toronto
Thomas, Geo., & Son	Industrial St., Leaside
Thomson Monument Co. Ltd., The	862 Dupont St., Toronto
Toronto Monumental Co.	153 St. Patrick St., Toronto
Trenton Marble & Granite Works	Cor. Front & Ford Sts., Trenton
Twin City Monument Co.	King St. E., Kitchener
Wardell Monument Works	2696 Dundas St. W., Toronto
Westport Marble Works	Westport
Wideman, L. G., & Son	Stouffville
Wilcox Granite Co.	Plains Road, Hamilton
Williamson, W. A., & Sons	William St., Gananoque
Williscroft, B. A.	868 Third Ave. E., Owen Sound
<u>MANITOBA -</u>	
Allen & Grants	405 Youville St., St. Boniface
Brunet, Joseph O.	26 Lyndale Drive, Norwood
Brooke, J. H., & Sons	266 Main St., Winnipeg
Cassan Monumental Co.	402 - 10th St., Brandon
Fort Rouge Monumental Works	465 Gartrude Ave., Winnipeg
Gauthier, Joseph	554 $\frac{1}{2}$ Des Meurons St., St. Boniface
Guinn & Simpson Co. Ltd.	52 Tupper St. N., Portage la Prairie
Hooper's Memorial Works	481 Notre Dame St., Winnipeg
MacIntyre, A. L.	361 Bannatyne Ave., Winnipeg
Memorial Marble & Tile Co. Ltd.	1180 Wall St., Winnipeg
Neepawa Marble & Granite Works	Neepawa
Peirson, C. H.	201 Sixth St., Brandon
Somerville & So.	1417 Rosser Ave., Brandon
Wheeldon & Sons	1055 Main St., Winnipeg
<u>SASKATCHEWAN -</u>	
Best Monumental Co.	721 Caribou St. W., Moose Jaw
Modern Monumental Shop	10th Ave. & Halifax St., Regina
Molano Marble & Stone Works	404 Ontario Ave., Saskatoon
Moose Jaw Marble & Granite Works Ltd.	706 Athabasca St. E., Moose Jaw
Regina Monumental Co.	2537 Railway St., Regina
Sask. Marble & Construction Co. Ltd.	140 Sixth St. E., Prince Albert
Saskatoon Granite & Marble Works Ltd.	137 Ave. A. North, Saskatoon
Western Granite, Marble & Stone Co. Ltd.	714 Second Ave., North, Saskatoon
Yorkton Monumental Works	20 Agricultural Ave., Yorkton



DIRECTORY (concl'd.)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1938. (concl'd.)

Name of Companies

Location of Plants

SASKATCHEWAN -- concluded

Young, Alex., Ltd.

Scarth St., & Fourth Ave., Regina

ALBERTA -

Alberta Granite, Marble & Stone Co. Ltd.

10702 - 101st. St., Edmonton

Hart, Albert J.

1821 Second St. E., Calgary

Lethbridge Monumental & Tile Works

325 Eighth St. S., Lethbridge

Maclean Granite Co.

Red Deer

McDonald Granite Co. Ltd.

2313 Second St. E., Calgary

North West Granite & Marble Co.

8537 - 109th St., Edmonton

Somerville Calgary Monumental Co.

121 - 13th Ave. W., Calgary

BRITISH COLUMBIA -

Allan, A. S., & Co. Ltd.

880 Beach Ave., Vancouver

Art Monument Co. Ltd.

602 Kingsway, Vancouver

Bertram Marble and Granite Works

4880 Fraser Ave., Vancouver

Burnaby Monumental Works

2655 Patterson Ave., Burnaby

Continental Marble Co. Ltd.

1002 Georgia St. E., Vancouver

Forster Monumental Works

5528 Fraser St., Vancouver

Kingsway Monumental Works

3070 Kingsway St., Vancouver

Millins, C. E. J. (Nanaimo Monumental Works)

Pine St. and Comox Road,

Nanaimo

Mortimer, J., & Son

George Rd. and Government St.,

Victoria

Patterson & Chandler

5498 Fraser St., Vancouver

Stewart Monumental Works Ltd.

1401 May St., Victoria

Westaway's Monumental Works

143 Columbia St. E., New Westminster

Willey Monument Works

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