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### THE STONE INDUSTRY IN CANADA, 1940

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 Stone Products 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 Stone Products 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 \$16,825,174 in 1940. Production during the year totalled \$10,991,582 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 1940 numbered 3,947 and their combined earnings amounted to \$4,016,528.

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 1940 totalled \$7,398,959 compared with \$6,475,696 in 1939. Comprising the tonnage shipped in 1940 were 1,147,747 tons of granite valued at \$1,884,410; 6,108,591 tons of limestone at \$5,128,075; 13,739 tons of marble at \$75,409; 176,475 tons of sandstone at \$305,543 and 1,113 tons of slate worth \$7,522. Of the total value of stone sold in 1940, the value of Quebec shipments amounted to 38 per cent, Ontario 46 per cent and British Columbia 6 per cent.

The number of firms in the stone quarrying industry reported as active in 1940 totalled 482; capital employed amounted to \$12,127,271; employees numbered 2,886; salaries and wages paid aggregated \$2,779,703 and the cost of fuel, electricity and process supplies used was reported at \$1,204,375.

Data relating to imports and exports of stone in 1940 are not published and for information relating to same communications should be addressed to the External Trade Branch of the Dominion Bureau of Statistics.

Table 1 - PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA, 1939 and 1940

	1939	1940
Number of firms .....	452	482
Capital employed .....	\$ 12,213,030	12,127,271
Number of employees - On salary .....	303	283
On wages .....	2,773	2,603
Total .....	3,076	2,886
Salaries and wages - Salaries .....	\$ 472,413	438,559
Wages .....	2,344,165	2,341,144
Total .....	2,816,578	2,779,703
Selling value of products (Gross) .....	\$ 6,475,696	7,398,959
Cost of fuel and electricity .....	456,966	528,319
Process supplies used .....	624,918	676,056
Selling value of products (Net) .....	5,393,812	6,194,584

Table 2 - PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA, BY PROVINCES, 1936 - 1940

Provinces	Year	Number of firms	Capital employed	Fuel, elec- tricity (x) and process supplies used	Number of em- ployees	Salaries and wages paid	Net value of production
			\$	\$		\$	\$
Nova Scotia ....	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
	1939	18	166,286	18,143	80	67,095	115,774
	1940	47	272,284	30,971	158	128,257	282,673
New Brunswick ..	1936	7	153,853	6,678	130	73,575	127,080
	1937	9	192,761	9,491	93	60,891	129,550
	1938	6	154,258	3,684	75	58,141	116,641
	1939	8	243,358	16,660	136	118,890	249,447
	1940	9	222,471	16,097	146	138,733	294,302
Quebec .....	1936	192	4,384,921	360,701	1,228	814,973	1,368,368
	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
	1939	218	5,339,375	531,029	1,903	1,577,265	2,792,570
	1940	199	4,885,498	466,948	1,572	1,280,955	2,360,653
Ontario .....	1936	169	5,189,718	385,100	703	731,395	2,013,356
	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
	1939	175	5,609,524	478,867	754	828,949	1,821,244
	1940	193	5,674,896	638,120	785	995,005	2,749,275
Manitoba .....	1936	8	649,810	11,527	54	48,926	60,433
	1937	6	642,363	11,407	40	54,053	53,821
	1938	6	393,148	13,481	43	56,431	88,136
	1939	5	225,359	8,454	48	55,558	75,494
	1940	6	390,252	8,998	43	39,528	69,442
Alberta .....	1936	3	1,825	305	3	2,411	29,083
	1937	3	6,500	102	1	1,265	27,087
	1938	2	(a)	(a)	(a)	(a)	6,148
	1939	3	6,400	248	5	3,552	14,032
	1940	2	(a)	(a)	(a)	(a)	11,999
British Columbia	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
	1939	25	622,728	30,483	150	167,269	325,251
	1940	26	681,870	43,241	182	197,225	426,340
TOTAL - CANADA -	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	5,353,812
	1938	...	11,187,274	890,350	2,815	2,298,154	4,665,676
	1939	...	12,213,030	1,081,884	3,076	2,816,578	5,393,812
	1940	...	12,127,271	1,204,375	2,866	2,779,703	6,194,584

(x) Exclusive of electricity generated by operator.

(a) Included with data relating to lime industry.

(27 May '42)

Table 3 - AVERAGE NUMBER OF WAGE-EARNERS, BY MONTHS, 1939 and 1940

Month	1939	1 9 4 0		Month	1939	1 9 4 0	
		Quarry	Dressing works			Quarry	Dressing works
January ....	1,532	687	328	July .....	3,914	3,315	546
February ...	1,613	899	296	August .....	3,854	3,418	580
March .....	1,785	960	349	September ...	3,602	3,111	508
April .....	2,145	1,591	432	October .....	3,221	2,670	535
May .....	3,021	2,427	476	November ....	2,745	2,329	447
June .....	3,763	2,696	516	December ....	1,888	1,600	337

Table 4 - NUMBER OF WAGE-EARNERS WHO WORKED THE NUMBER OF HOURS SPECIFIED, DURING ONE WEEK IN MONTH OF NORMAL EMPLOYMENT, 1940

Hours	Nova Scotia No.	New Brunswick No.	Quebec No.	Ontario No.	Manitoba No.	Alberta No.	British Columbia No.	CANADA No.
30 hours or less ...	3	5	249	31	...	(x)	7	293
31 - 43 hours .....	...	1	245	34	4	(x)	20	304
44 hours .....	10	...	216	11	32	(x)	9	278
45 - 47 hours .....	...	1	125	9	...	(x)	26	161
48 hours .....	...	64	637	259	...	(x)	160	1,120
49 - 50 hours .....	...	3	289	24	...	(x)	8	324
51 - 54 hours .....	310	35	250	63	...	(x)	33	671
55 hours .....	...	...	90	89	...	(x)	2	181
56 - 64 hours .....	43	108	394	321	3	(x)	26	895
65 hours and over ..	65	6	233	368	...	(x)	1	673
GRAND TOTAL .....	431	221	2,708	1,209	39	(x)	292	4,900
Total wages paid in that week ..... \$	7,090	4,240	47,925	30,136	885	(x)	6,033	96,309

(x) Information not available.

Table 5 - FUEL AND ELECTRICITY USED, 1939 and 1940

Kind	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ...	short ton	2,718	20,751	3,064	23,463
Imported ...	short ton	6,249	43,661	6,176	44,578
Anthracite coal .....	short ton	639	5,320	207	2,193
Lignite coal .....	short ton	191	1,337	88	725
Coke .....	short ton	150	1,401	170	1,569
Gasoline .....	Imp. Gal.	364,904	81,682	658,865	150,293
Kerosene .....	Imp. Gal.	7,474	1,107	2,349	477
Fuel oil .....	Imp. Gal.	221,119	23,176	274,811	30,119
Wood .....	cord	2,495	9,717	1,953	6,556
Gas - natural .....	M cu. ft.	3,000	1,400	3,000	1,600
Other fuel .....	...	...	22	...	143
Electricity purchased .....	K. W. H.	18,738,435	267,392	19,715,907	266,605
TOTAL .....	...	...	456,966	...	528,319
Electricity generated for own use .....	K. W. H.	1,550,890	...	1,773,530	...
Cost of explosives and other process supplies used .....	...	...	624,918	...	676,056



Table 6 - POWER INSTALLATION, 1940

	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 .....	64	2,592	22	1,155
Diesel engines .....	44	4,303	...	...
Gasoline, gas and oil engines other than diesel .....	161	5,856	27	990
Hydraulic turbines or water wheels .....	11	930	6	250
Electric motors run by purchased power..	768	21,181	75	2,842
Electric motors run by own power .....	48	2,384	11	347
Stationary boilers .....	44	1,831	13	636

Table 7 - The following table gives the value of construction contracts awarded in Canada from 1925 to 1940, 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 (1926=100) (c)	Average index numbers of wholesale prices of building materials (1926=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	12,066,522	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
1939 .....	187,178,500	6,475,696	62.1	89.7	170.7
1940 .....	346,009,800	7,398,959	83.5	95.6	174.6

(a) Compiled by McLean Building Reports Ltd.

(b) Includes all stone except limestone used in making lime and cement.

(c) General Statistics Branch, Dominion Bureau of Statistics.

(d) Internal Trade Branch, Dominion Bureau of Statistics.

(e) Labour Department.

Table 8 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES, BY KINDS AND BY PROVINCES, 1939 and 1940

Province		Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1940</u>							
Nova Scotia .....	tons	87,975	24,160	...	69,316	...	181,451
	\$	155,458	46,717	...	111,469	...	313,644
New Brunswick .....	tons	1,326	159,812	...	5,015	...	166,153
	\$	69,833	206,916	...	33,550	...	310,299
Quebec .....	tons	366,662	2,287,394	8,767	92,378	639	2,755,830
	\$	792,708	1,854,423	50,652	129,179	639	2,827,601
Ontario .....	tons	529,440	3,302,596	4,792	3,446	...	3,840,274
	\$	704,421	2,649,809	22,157	11,008	...	3,387,395
Manitoba .....	tons	218	48,488	...	...	...	48,706
	\$	4,324	74,116	...	...	...	78,440
Alberta .....	tons	...	3,981	...	...	...	3,981
	\$	...	11,999	...	...	...	11,999
British Columbia .....	tons	162,126	232,170	180	6,320	474	451,270
	\$	157,666	282,095	2,600	20,337	6,883	469,581
CANADA .....	tons	1,147,747	6,108,591	13,739	176,475	1,113	7,447,665
	\$	1,884,410	5,126,075	75,409	305,543	7,522	7,398,959
<u>1939</u>							
Nova Scotia .....	tons	885	17,239	...	31,711	...	49,835
	\$	20,809	33,941	...	79,167	...	133,917
New Brunswick .....	tons	1,492	52,505	...	21,412	...	75,409
	\$	72,005	142,927	...	51,175	...	266,107
Quebec .....	tons	503,011	1,904,658	7,600	112,403	683	2,528,355
	\$	1,276,859	1,726,653	168,612	150,792	683	3,323,599
Ontario .....	tons	495,619	1,931,285	6,519	4,124	47	2,437,594
	\$	625,880	1,624,618	50,642	16,322	649	2,298,111
Manitoba .....	tons	174	35,969	...	...	...	36,143
	\$	3,544	80,404	...	...	...	83,948
Alberta .....	tons	...	2,888	5	155	...	3,048
	\$	...	8,166	800	5,314	...	14,280
British Columbia .....	tons	101,214	205,045	...	6,460	419	313,138
	\$	120,404	200,842	...	29,060	5,428	355,734
CANADA .....	tons	1,102,395	4,149,589	14,124	176,265	1,149	5,443,522
	\$	2,119,501	3,917,551	200,054	331,830	6,760	6,475,696

(a) All igneous rocks included.

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

NOTE: Not included in the above limestone statistics are 1,765,944 tons of limestone consumed in the cement industry in 1940 and 1,379,858 tons in 1939. Limestone used in the Canadian lime industry is also not included; it is estimated that approximately 1,280,949 tons of limestone were burned in the manufacture of lime in 1940 and more than 900,000 tons in 1939.

Table 9 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1940 - 1939

For use as follows -		Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1940</u>							
Building stone - Rough .....	tons	54,214	15,095	58	1,514	...	70,881
	\$	120,372	70,885	3,070	5,658	...	199,935
Dressed .....	tons	10,908	13,281	131	2,135	...	26,455
	\$	255,527	192,183	19,680	55,139	...	522,529
Monumental and ornamental stone							
Rough .....	tons	5,230	4	52	...	...	5,286
	\$	55,176	80	1,704	...	...	56,960
Dressed .....	tons	2,623	47	...	...	...	2,670
	\$	223,203	2,218	...	...	...	225,421
Flagstone .....	tons	137	585	...	401	...	1,123
	\$	310	1,943	...	2,886	...	5,159
Curbstone .....	tons	844	...	...	539	...	1,383
	\$	4,142	...	...	1,617	...	5,759

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Table 9 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED,  
1940 - 1939 (Continued)

For use as follows -	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1940 (Concluded)</u>						
Paving blocks ..... tons	8,383	...	...	...	...	8,383
\$	17,165	...	...	...	...	17,165
Lining open-hearth furnaces ... tons	...	34,565	...	...	...	34,565
\$	...	24,518	...	...	...	24,518
Chemical -						
Flux in iron and steel furnaces ..... tons	...	167,476	166	...	...	167,642
\$	...	136,598	358	...	...	136,956
Flux in non-ferrous smelters.. tons	...	163,512	...	...	...	163,512
\$	...	103,446	...	...	...	103,446
Glass factories ..... tons	...	1,613	121	...	...	1,734
\$	...	2,016	692	...	...	2,708
Pulp and paper mills ..... tons	...	248,755	...	...	...	248,755
\$	...	315,080	...	...	...	315,080
Sugar refineries ..... tons	...	10,164	...	...	...	10,164
\$	...	12,331	...	...	...	12,331
Other chemical uses ..... tons	...	133,878	...	...	...	133,878
\$	...	111,275	...	...	...	111,275
Pulverized Stone -						
Whiting (substitute) ..... tons	...	900	...	...	...	900
\$	...	9,600	...	...	...	9,600
Asphalt filler ..... tons	...	13,511	...	...	...	13,511
\$	...	45,284	...	...	...	45,284
Dusting coal mines ..... tons	...	610	...	...	...	610
\$	...	2,440	...	...	...	2,440
Agricultural purposes and fertilizer plants ..... tons	...	174,114	1,440	...	...	175,554
\$	...	272,161	3,070	...	...	275,231
Other uses ..... tons	...	27,464	378	...	...	27,842
\$	...	55,228	2,112	...	...	57,340
Crushed stone for manufacture of artificial stone ..... tons	...	...	800	...	...	800
\$	...	...	3,526	...	...	3,526
Roofing granules ..... tons	12,406	524	...	...	1,113	14,043
\$	105,709	1,274	...	...	7,522	114,505
Poultry grit ..... tons	2	1,377	1,499	...	...	3,378
\$	57	8,211	7,120	...	...	15,388
Stucco dash ..... tons	2	55	1,327	...	...	1,384
\$	55	266	9,129	...	...	9,450
Terrazzo chips ..... tons	...	1,290	3,484	...	...	4,774
\$	...	5,650	17,184	...	...	22,834
Rock wool ..... tons	...	5,825	...	...	...	5,825
\$	...	6,451	...	...	...	6,451
Rubble and riprap ..... tons	138,274	267,934	3,980	12,526	...	452,714
\$	128,802	136,362	7,563	7,909	...	298,323
Crushed stone -						
Concrete aggregate ..... tons	238,708	2,382,153	...	32,222	...	2,673,078
\$	341,581	1,784,808	...	45,098	...	2,171,487
Road metal ..... tons	160,819	2,018,353	303	121,138	...	2,300,613
\$	186,714	1,517,592	202	181,236	...	1,885,744
Railroad ballast ..... tons	435,202	455,206	...	6,000	...	896,408
\$	448,097	287,675	...	6,000	...	741,772
TOTAL CANADA (b) ..... tons	1,147,747	6,108,591	13,739	176,475	1,113	7,447,665
\$	1,884,410	5,126,075	75,409	305,543	7,522	7,398,959



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Table 9 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED,  
1940 - 1939 (Continued)

For use as follows	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<b>1 9 3 9</b>						
Building stone - Rough ..... tons	12,098	14,821	88	4,111	...	31,118
\$	64,752	89,191	4,744	17,787	...	176,474
Dressed ..... tons	17,460	17,296	955	4,459	...	40,170
\$	561,253	349,547	145,618	101,448	...	1,157,866
Monumental and ornamental stone						
Rough ..... tons	4,613	33	211	...	...	4,857
\$	42,678	12	5,508	...	...	48,198
Dressed ..... tons	3,262	165	5	7	...	3,439
\$	260,375	3,321	800	325	...	264,821
Flagstone ..... tons	99	684	...	820	...	1,603
\$	225	2,297	...	3,558	...	6,080
Curbstone ..... tons	1,446	...	...	...	...	1,446
\$	7,548	...	...	...	...	7,548
Paving blocks ..... tons	775	...	...	...	...	775
\$	6,233	...	...	...	...	6,233
Lining open-hearth furnaces ... tons	...	24,331	...	...	...	24,331
\$	...	17,038	...	...	...	17,038
Chemical -						
Flux in iron and steel plants. tons	...	135,583	...	...	...	135,583
\$	...	107,748	...	...	...	107,748
Flux in smelters ..... tons	...	138,387	...	...	...	138,387
\$	...	95,924	...	...	...	95,924
Glass factories ..... tons	...	890	173	...	...	1,063
\$	...	1,112	848	...	...	1,960
Pulp and paper mills ..... tons	...	175,154	...	...	...	175,154
\$	...	206,126	...	...	...	206,126
Sugar refineries ..... tons	...	5,141	...	...	...	5,141
\$	...	5,764	...	...	...	5,764
Other chemical uses ..... tons	...	121,950	...	...	...	121,950
\$	...	106,057	...	...	...	106,057
Pulverized Stone -						
Whiting (substitute) ..... tons	...	100	...	...	...	100
\$	...	1,250	...	...	...	1,250
Asphalt filler ..... tons	...	19,726	...	...	...	19,726
\$	...	45,858	...	...	...	45,858
Dusting coal mines ..... tons	...	585	...	...	...	585
\$	...	2,340	...	...	...	2,340
Agricultural purposes ..... tons	...	191,833	672	...	...	192,505
\$	...	269,353	1,941	...	...	271,294
Other uses ..... tons	...	13,357	1,403	...	10	14,770
\$	...	50,172	4,766	...	103	55,041
Crushed stone for manufacture						
of artificial stone ..... tons	173	...	1,143	...	...	1,316
\$	115	...	4,049	...	...	4,164
Roofing granules ..... tons	10,865	400	80	...	456	11,801
\$	92,782	630	320	...	5,974	99,706
Poultry grit ..... tons	6	1,645	1,432	...	...	3,083
\$	90	5,344	7,015	...	...	12,449
Stucco dash ..... tons	20	175	1,300	...	...	1,495
\$	200	1,110	8,088	...	...	9,398
Terrazzo chips ..... tons	...	...	3,046	...	...	3,046
\$	...	...	15,205	...	...	15,205
Rock wool ..... tons	...	4,665	...	...	...	4,665
\$	...	4,905	...	...	...	4,905
Rubble and riprap ..... tons	174,437	218,000	3,326	32,759	683	429,205
\$	169,360	152,581	832	17,546	683	341,002

# Stone

- 8 -

Table 9 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1940 - 1939 (Concluded)

For use as follows	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1939 (Con.)</u>						
Crushed stone -						
Concrete aggregate ..... tons	270,224	1,039,666	38	34,708	...	1,344,636
\$	255,322	811,586	152	41,968	...	1,109,028
Road metal ..... tons	201,645	1,836,068	252	93,341	...	2,131,306
\$	262,303	1,367,728	168	143,138	...	1,773,337
Railroad ballast ..... tons	405,272	188,934	...	6,060	...	600,266
\$	396,265	120,557	...	6,060	...	522,882
TOTAL CANADA (b) ..... tons	1,102,395	4,149,589	14,124	176,265	1,149	5,443,522
\$	2,119,501	3,817,551	200,054	331,830	6,760	6,475,696

(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 10 - PRODUCTION OF GRANITE(x) IN CANADA, 1932 - 1940

Year	Short tons	\$	Year	Short tons	\$
1932 .....	490,822	1,110,582	1937 .....	1,135,099	1,827,433
1933 .....	256,723	679,585	1938 .....	705,307	1,379,417
1934 .....	200,285	781,739	1939 .....	1,102,395	2,119,501
1935 .....	326,354	1,126,287	1940 .....	1,147,747	1,884,410
1936 .....	941,743	1,319,313			

(x) Includes all igneous rock.

"The stone quarried in this industry consists of granite and related crystalline igneous rocks used for building, decorative, ornamental, or constructional purposes. Producing properties are situated in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, and British Columbia. Large areas in Canada are underlain by granite, and the prospects of finding stone suitable for its various uses are good.

"Much of the granite produced in Canada is used for foundations for highways; for the permanent ballasting of railway roadbeds; for heavy aggregate in large concrete structures; for the filling of breakwaters; and for bridge piers. The marked curtailment of such operations during the past several years has seriously affected production. Production is still far below the record years.

"Granite for monumental use is produced in the Maritime Provinces and in Quebec, Ontario, Manitoba, and British Columbia, and is finding a small but steadily increasing market. Early in 1939 an appreciable amount of foreign stone, principally of the black and red varieties, was imported, mainly from Finland and Sweden, but this source of supply is now cut off. Black granite has been quarried in Canada, notably in the vicinity of Lake St. John, Quebec, and from quarries along the north shore of Lake Superior, and stone from these areas should find a ready market for monumental use. Other deposits of 'black granite' in the Maritime Provinces, Quebec, Ontario, and Manitoba show promise of yielding stone of good quality.

"Now that shipments from the Scandinavian countries to the United States and to Canada have been discontinued, Canadian producers would be well advised to give careful study to the market possibilities of a monumental stock, especially for the black and red varieties.

"In the building trade, coloured granites are being used to an increasing extent in the form of thin polished slabs for trim for buildings in which the main colour scheme calls for contrast.

"Canadian granites are suitable for all the purposes for which granite is used, and with persistent advertising there is no reason why this industry should not have a flourishing future." (Bureau of Mines, Ottawa).



Table 11 - PRODUCTION OF LIMESTONE IN CANADA, 1932 - 1940

Year	Short tons	\$	Year	Short tons	\$
1932 .....	3,687,241	3,227,715	1937 .....	5,542,806	4,673,942
1933 .....	2,572,911	2,142,516	1938 .....	4,288,507	3,864,619
1934 .....	3,747,779	3,157,832	1939 .....	4,149,589	3,817,551
1935 .....	3,631,665	3,253,573	1940 .....	6,108,591	5,126,075
1936 .....	3,731,548	3,145,872			

"Limestone, because of the great variety and importance of its industrial uses, is the most useful of all rocks. It is quarried in all provinces of Canada except Prince Edward Island and Saskatchewan but by far the greater part of the production comes from Ontario and Quebec.

"Limestone is available in great bedded formations and in massive highly metamorphosed deposits—the former being much more common and yielding most of the production. At present, almost all Canadian limestone is won by open pit methods, though underground mining of the rock has been adopted by several companies producing limestone for chemical and metallurgical uses and for making lime. Underground mining will undoubtedly become more common, particularly for the production of high-grade stone for chemical use, as the readily accessible parts of deposits become worked out.

"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.

"Limestone is widely distributed and is quarried on a large scale in all industrial countries. Rarely is there any considerable international trade in it, but, because foreign limestone can be obtained more cheaply at certain large consuming centres in Canada than the domestic, considerable quantities are imported from the United States and Newfoundland for use as blast furnace flux, and from the United States alone for road metal, and for use in some pulp mills in Ontario near the International Boundary. Comparatively small tonnages are exported to the United States for use in agriculture and in sugar refineries. No separate record is maintained of the trade in limestone.

"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 the rock is obtained from the quarry, 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, and various chemical products. Argillaceous dolomite is used in the manufacture of rock wool. This industry is steadily expanding in Canada and in 1940 its output was valued at over \$1,000,000.

"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 claimed to be 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, where after being calcined it is used to precipitate magnesia from sea-water. Processes are also being developed to extract magnesium directly from calcined dolomite. 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.

"Limestone in blocks of large dimensions for sawing into building stone is quarried in Quebec, Ontario, and Manitoba. In Quebec, quarries at St. Marc des Carrières, Portneuf county, produce grey limestone, and several in and near Montreal yield 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 as building stone is available. The Manitoba quarries are near Tyndall and yield mottled buff, mottled grey, 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.

"Prices of limestone in the mill block f.o.b. quarry have remained almost stationary in recent years, and range from 50 cents to \$1 per cubic foot, depending on the size of block and grade of stone." (Bureau of Mines, Ottawa).

#### WHITING SUBSTITUTE

"Whiting substitute, as the name implies, is a material that may be used in place of chalk whiting, all of which originates in England or in Europe. Until 1940 all whiting substitute made in Canada was made from white limestone or white marble. In 1940 production of whiting substitute from white marl began by White Valley Chemicals, Limited, at Bobcaygeon, Ontario. Whiting substitute is used mostly in the manufacture of oilcloth, linoleum, in certain kinds of rubber products, in putty, and in explosives. In lesser quantities it is used in the manufacture of moulded articles, cleaning compounds and polishes, as a ceramic glaze, and for a number of other purposes.

"The products made from white marble or white limestone are pulverized to various degrees of fineness ranging from 200 to 400 mesh, and the raw material used contains very little magnesium carbonate, though in the past a whiting substitute made from white dolomite was produced in Eastern Canada for making putty.

"The principal differences between whiting and whiting substitute made from marble or limestone are that the latter is usually whiter, has a low capacity for absorbing oil, and the individual particles are sub-angular rather than rounded.

"Marl suitable for making whiting substitute should be white or nearly so, be nearly free from grit and clayey material, and have a very low content of organic matter. This last-named constituent, which is present to some extent in all deposits of marl, renders the product unsuitable for use as a filler in products such as putty and paint where it will come in contact with oils. The oil-absorptive capacity of whiting substitute made from marl is usually greater than that of whiting but in other respects the physical characteristics of the two products are much the same.

"Whiting substitute is manufactured by Pulverized Products, Limited, Montreal; by Claxton Manufacturing Company, Toronto; by White Valley Chemicals, Limited, Toronto; by Gypsum, Lime and Alabastine, Canada, Limited, Winnipeg; and by F. J. Beale, Limited, Van Anda, Texada Island, British Columbia.

"Calcium carbonate filler, a product closely akin to whiting substitute and made by introducing carbon dioxide gas into milk-of-lime made from high-calcium quicklime, has been produced in Canada for the past several years. Its use up to the present has been as a filler in newsprint and book paper, and its manufacture has been undertaken by the paper companies using it. Whiting substitute made from carefully processed white marl is said to be satisfactory for this use.

"By-product precipitated chalk, made from waste sludge resulting from the manufacture of caustic soda from soda ash and lime, is classed as a whiting substitute, but its usefulness is restricted by the fact that it almost invariably contains a small amount of free alkali. The raw materials for the manufacture of by-product precipitated chalk are available but it is not yet being made in Canada.

"No separate record is kept by the Dominion Bureau of Statistics of the production, imports, and exports of whiting substitute, but the industry has experienced a steady growth in recent years because improvements in grinding equipment and the maintenance of close technical control have enabled a product to be marketed that is very consistent in both chemical and physical properties. Many manufacturers now use the domestic product with entire satisfaction in place of imported whiting, and in the present situation when all European sources of whiting are cut off from the Canadian market because of the war the domestic industry is largely supplying the Canadian market. Prices per ton in carload lots range from \$8.00 to \$15.00 per ton f.o.b. plants in Eastern Canada". (Bureau of Mines, Ottawa).

Table 13 - PRODUCTION OF MARBLE IN CANADA, 1932 - 1940

Year	Short tons	\$	Year	Short tons	\$
1932 .....	12,579	250,706	1937 .....	21,642	88,595
1933 .....	10,897	65,913	1938 .....	19,375	87,274
1934 .....	13,783	69,475	1939 .....	14,124	200,054
1935 .....	15,975	85,369	1940 .....	13,739	75,409
1936 .....	22,866	169,698			



"Marble quarries are operated in the provinces of Quebec, Ontario, Manitoba, and British Columbia. The products include squared blocks for sawing into slabs and for making monuments, and broken marble for rubble and for making terrazzo, stucco dash, whiting substitute, marble flour and artificial stone. Waste from some of the quarries is sold for chemical uses and for road metal.

"In Quebec, several varieties of clouded grey marble and also a black marble are quarried at Phillipsburg by Missisquoi Stone and Marble Company, Limited. Some brown marble used for counters and wainscoting is obtained from the building stone quarries in the Trenton limestones of St. Marc des Carrieres, Portneuf county. Dolomitic white marble is quarried and crushed by White Grit Company at Portage du Fort, Pontiac county, and by Canada Marble and Lime Company at l'Annonciation, Labelle county, for the making of terrazzo chips, stucco dash, poultry grit, artificial stone, and for the chemical and ceramic uses. A small quantity of dark red marble is quarried at Cap St. Martin near Montreal, chiefly for making tombstones.

"In Ontario, black marble is quarried at St. Albert, near Ottawa, by Silvertone Black Marble Quarries, Limited. Recently a 40-inch bed of marble was uncovered in this quarry which, because of its soundness and uniformity, is suitable for making large monolithic pillars. White marble is quarried at Marmora by Bonter Marble and Calcium Company, Limited, and at Haliburton by Bolender Brothers for making terrazzo chips, poultry grit, stucco dash, and artificial stone. Bonter Marble and Calcium Company also produces white marble in block form. Buff, red, white, green and black marbles are quarried, near Eldorado, Hastings county, by Karl Stocklosar of Madoc, for use as terrazzo.

"In Manitoba, a number of highly coloured marbles are available but there is only a small production to supply terrazzo chips and building rubble.

"In Alberta, a deposit of calcareous tufa near Radnor station on the Canadian Pacific railway has been quarried for terrazzo and a small quantity has also been marketed in block form.

"In British Columbia there are many deposits of marble but there is only a small production of white marble near Victoria and on Texada island for the production of terrazzo, poultry grit, marble sand, and whiting substitute.

"Many known deposits of beautifully coloured marbles have never been fully investigated chiefly because the present demand in Canada for marble of any one colour, other than for a staple variety such as white, is comparatively small.

"Imports of marble during 1940 had a value of \$84,005 compared with \$97,797 in 1939. Current imports of marble are largely in the form of unpolished slabs and in the form of sawn stock for tombstones, the finishing being done in the marble mills throughout Canada. Most of the imports of marble blocks are from the United States.

"The Canadian market calls for interior decorative marble almost entirely, and very little is used for exteriors of buildings. A considerable quantity is, however, used for tombstones. In recent years there has been an increasing demand for marble in the form of terrazzo for flooring, and many inquiries have reached the Bureau of Mines as to where marbles of various colours could be obtained". (Bureau of Mines, Ottawa).

Table 14 - PRODUCTION OF SANDSTONE IN CANADA, 1932 - 1940

Year	Short tons	\$	Year	Short tons	\$
1932 .....	500,480	349,458	1937 .....	255,165	545,871
1933 .....	99,043	108,562	1938 .....	101,854	218,405
1934 .....	115,169	143,283	1939 .....	176,265	331,830
1935 .....	342,824	838,005	1940 .....	176,475	505,545
1936 .....	285,508	495,856			

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, yellow and grey. Shipments of sandstone were made in 1940 from quarries located in all of the provinces with the exception of Prince Edward Island, Manitoba and Saskatchewan.



The greater part of the output in 1940 was employed as rubble and riprap and in the crushed state for concrete, highway construction and railroad ballasting. Sandstone in British Columbia, New Brunswick and Nova Scotia has been employed in the manufacture of abrasive wheels and sharpening stones.

Table 15 - PRODUCTION OF SLATE IN CANADA, 1932 - 1940

Year	Short tons	\$	Year	Short tons	\$
1932 .....	250	3,750	1937 .....	900	5,519
1933 .....	250	3,750	1938 .....	979	6,811
1934 .....	738	4,802	1939 .....	1,149	6,760
1935 .....	1,129	4,329	1940 .....	1,113	7,522
1936 .....	1,247	5,414			

Canadian slate production in 1940 came entirely from the provinces of Quebec and British Columbia and represented shipments of the stone in the form of granules for roofing purposes. No Canadian deposits of slate suitable for the production of high grade roofing slates or shingles have been reported as being under development in recent years.

Table 16 - PRODUCTION OF STONE FOR BUILDING PURPOSES, CHEMICAL USE, CEMENT MANUFACTURE, CONCRETE AGGREGATE, ROAD METAL AND RAILROAD BALLAST, 1934 - 1940

	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	791,371	2,347,010	58,816	...
1939 ..... tons	71,288	577,278	1,344,636	2,131,306	600,266	1,407,099(d)
..... \$	1,334,340	523,579	1,109,028	1,773,337	522,882	...
1940 ..... tons	97,336	725,685	2,673,078	2,300,613	896,408	1,784,291(d)
..... \$	722,514	681,796	2,171,487	1,885,744	741,772	...

(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 in 1938, 27,241 tons in 1939 and 18,347 in 1940.

#### DIRECTORY, 1940

#### STONE QUARRYING INDUSTRY

NOTE: (x) Firms operating dressing works in conjunction with quarry.  
(a) Did not ship in 1940.

#### GRANITE

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<b>NOVA SCOTIA -</b>		
Bower, A. R.	Box 255, Shelburne	Shelburne
Dauphinee, W. T. (x)	Shelburne	Shelburne
Nixon, W. H. (x) (a)	Nictaux Falls	Nictaux West
Nova Scotia Department of Highways	Halifax	Various
Rice Bros. (x)	Lawrencetown	Nictaux West and Birchtown

DIRECTORY, 1940 (Continued)

STONE QUARRYING INDUSTRY

GRANITE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>NOVA SCOTIA (Con.) -</u>		
Rice, W. D.	Middleton	Nictaux West
Shelburne Marble and Granite Works (C. G. Reid) (x) (a)	Shelburne	Birchtown
Porter, J. P. & Sons Ltd. (x)	936 Dominion Square Bldg., Montreal, Que.	Chester
<u>NEW BRUNSWICK -</u>		
Granite Street Pavement & Construction Co. Ltd. (x)	Box 1157, 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.	P. O. Box 6090, Dominion Square East, Montreal	Chicoutimi Co.
B. and R. Granite Quarry	Beebe	Ogden Twp.
Berube, Lucien (x)	Brownsburg	Chatham Twp.
Brasseur, S.	McWatters	McWatters
Brodie's Ltd. (x)	1070 Bleury St., Montreal	Graniteville
		Guenette
		Mount Johnson
		Ogden Twp.
		Various
		Gayhurst Twp.
		Chicoutimi
		Beebe
		Chicoutimi
		St. Gerard de Wolfe
		Jonquière
		Shawinigan Falls
		Drummondville
		Landanet Twp.
		Bois Twp.
		Bois Twp.
		Grand'Mere
		Fisher Station
		Megantic
		Glenada
		Graniteville
		Beebe
		Rivière a Pierre
		Chicoutimi Co.
		Signal Twp.
		Frontenac Co.
		St. Joseph d'Alma
		Beebe
		Various
		Port Alfred
		Chicoutimi
		Chambly Co.
		St. Jerome
		La Tuque
		Lingwick Twp.
		Sherbrooke
		St. Samuel Station
		Graniteville
		St. Ignace Twp.
		Stanstead Co.
Bullock, W. W.	Graniteville	
Bureau de Reconstruction Economique	Quebec	
Bussiere, A. L. (x)	St. Sebastien	
City of Chicoutimi	Chicoutimi	
Cloutier, R. L. (x)	Beebe	
Delwaide & Goffin (x)	1365 St. Valier, Quebec	
Deschambault Quarry Corp. (x)	56 rue St. Pierre, Quebec	
Didier, Jos. Belley	Jonquière	
Dontigny, Alphonse	Shawinigan Falls	
Drummond Quarry Ltd.	Drummondville	
Dufresne Engineering Co. Ltd.	1852 Pius IX Blvd., Montreal	
Dumas and Voyer	Rivière a Pierre	
Dumas, Auguste (x)	Rivière a Pierre	
Gagnon, Arthur	Chemin St. Louis, Grand'Mere	
Gingras & Frère Ltée (x)	St. Marc des Carrières	
Gosselin, Oscar	Megantic	
Grenier, Elie	Glenada	
Henrikson & Hokanson	R. R. 1, Beebe	
Lacasse & Boulais	Box 23, Beebe	
Laroche, Omer	Rivière a Pierre	
La Ville de Jonquière	Jonquière	
Le Granit National (x)	St. Joseph d'Alma	
Les Carrières de Granit Frontenac	Scott Junction	
Maltais, Charles	St. Joseph d'Alma	
McIntosh, Robert	Beebe	
Quebec Department of Highways	Quebec	
Port Alfred, Town of	Port Alfred	
Riverin & Riverin	Chicoutimi	
St. Bruno Quarry & Paving Co. Ltd.	636 Ave. Querbes, Outremont	
St. Jerome, Ville de	St. Jerome	
St. Maurice Power Corp.	Box 6072, Montreal	
Scotstown Granite Co. Ltd. (x)	660 St. Catherine St. W., Montreal	
Sherbrooke, City of	Sherbrooke	
Silver Granite Co. Ltd. (x)	2331 rue Provaneal, Quebec	
Stanstead Granite Quarries Co. Ltd. (x)	Beebe	
Theberge, J. R.	Chicoutimi	
Wilkinson, Frank L. (x)	Beebe	

## DIRECTORY, 1940 (Continued)

STONE QUARRYING INDUSTRYGRANITE (Concluded)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>ONTARIO -</u>		
Building Products Ltd.	Box 6063, Montreal, Que.	Verona, Mountain Grove
Canadian Ledge & Dock Co. Ltd.	302 Harbour Commission Bldg., Toronto	Thunder Bay Dist.
Fort William, City of	Fort William	Mt. McKay
Grenville Crushed Rock Co. Ltd.	917 Keefer Bldg., Montreal	Hawk Lake
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	Kenora Dist.
Mill Lake Stone Quarry	Parry Sound	Mill Lake
Ontario Rock Co. Ltd.	18 Grenville St., Toronto	Belmont and Methuen Twps.
Orser, C. C. & Sons (x)	Verona	Verona
Upper Canada Granite Quarries Ltd.	1406 Concourse Bldg., Toronto	Coe Hill
<u>MANITOBA -</u>		
Winnitoba Marble Co. Ltd. (x)	1180 Wall St., Winnipeg	Hawk Lake
<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 and Golden
Coast Quarries Ltd.	1840 Georgia St. W., Vancouver	Granite Falls
Gilley Bros. Ltd.	902 Columbia St., New Westminster	Granite Island
Nelson, City of	Nelson	Kootenay Dist.
Nelson Granite & Monumental Co.	505 Front St., Nelson	Nelson
Prince Rupert, City of	Prince Rupert	Prince Rupert
Trail, City of	Trail	Trail
Vancouver Granite Co. Ltd.	744 West Hastings St., Vancouver	Nelson Island
Vernon Granite & Marble Co. (x)	Box 285, Vernon	Yale Dist.
Wilson, James S. (x)	Sirdar	Sirdar
<u>LIMESTONE</u>		
<u>NOVA SCOTIA -</u>		
Eastern Lime Co. Ltd.	Windsor	Windsor
H. & MacD. Lime Co.	Windsor	Windsor
Kirkpatrick, Robie	Kirkhill	Kirkhill
MacDonald & MacVicar	Bailey's Brook	Doctors Brook
Mersey Paper Co. Ltd.	Liverpool	East River
Montgomery, D. J. (a)	North River Bridge	Meadow
Mosher, O. P. and Sons	Musquodoboit Harbour	Musquodoboit Harbour
North Inverness Lime Crushing Association	Grand Etang	North Inverness Dist.
N. S. Department of Agriculture	Truro	Various
N. S. Department of Highways	Halifax	Various
Smiley, Howard (Brooklyn Agricultural Society Ltd.)	Newport	Upper Newport
<u>NEW BRUNSWICK -</u>		
Brookville Mfg. Co. Ltd.	Brookville	Brookville
Department of Munitions & Supply	Ottawa	Various
Snowflake Lime Ltd.	5 Poklok Rd., Saint John	Saint John
St. John Lime Co.	Brookville	Brookville



DIRECTORY, 1940 (Continued)STONE QUARRYING INDUSTRYLIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>QUEBEC -</u>		
Amendements Calcaires de Rivière Bleue Engr.	Rivière Bleue	Temiscouata Co.
Andorno, Jean (x)	Cap St. Martin	Cap St. Martin
Babin, Emilien	Rivière Caplan	Rivière Caplan
Baillargeon Pacifique	St. Lambert	Onyers Cliff
Beaudry, J. Pitre	41 rue Taché, Joliette	Joliette
Belanger, Michel	St. Ulric	St. Ulric
Bureau de Reconstruction Economique	Quebec	Various
Canada Cement Co. Ltd.	Box 290, Station B, Montreal	Hull and Montreal East
Canadian Quarries Ltd.	2251 Chemin de la Cote St. Michel, Ville St. Michel	Ville St. Michel
Carrière Bourbonnais Engr.	Dorion	Pte. Claire
Carrière Château Engr.	Château Richer	Château Richer
Carrière du Cap St. Martin Engr.	636 Ave. Querbes, Outremont	Cap St. Martin
Carrière Gravel Ltée	Château Richer	Château Richer
Carrière de St. Barthélemi Ltée	St. Barthélemi	St. Barthélemi
Carrière Marcil Ltée	St. Michel Station	St. Clothilde
Carrière St. Dominique Ltée	9 rue St. Denis, St. Hyacinthe	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 Engr.	Château Richer	Château Richer
Charbonneau, Lucien & Co.	St. Francois-de-Sales	Laval Co.
Chenel, Rev. J. E.	Port Daniel East	Port Daniel E.
Cie de Construction Roberval Ltée	Roberval	Roberval
Department of Justice	Ottawa	St. Vincent de Paul
Deraiche, Madame F. X.	Port Daniel	Port Daniel
Deschambault Quarry Corp. (x)	56 rue St. Pierre, Quebec	Bergerville, St. Marc des Carrières
Dominion Lime Ltd.	Lime Ridge	Lime Ridge
Drouin, Madame Eva Cimon	Ste-Justine	Ste-Justine
Dufresne Construction Co. Ltd.	1832 Blvd. Pie IX, Montreal	Rivière des Prairies
Durocher, Cyrille	11021 Notre Dame E., Montreal E.	Montreal E.
Entreprises Generalis Engr.	28 St. James St. W., Montreal	Montreal
Faubert, Alphonse	De Lery	De Lery
Fillion, Adelard	Lachute	Lachute
Fillion, Joseph	200 Notre Dame, Lachine	Lachine
Fontaine, Omer	St. Maurice	St. Maurice
Fortin, Camille	Chambord Jct.	Chambord
Fortin, Georges	St. Honore de Chicoutimi	Chicoutimi
Fuger & Smith Ltd.	Pointe Claire	Pointe Claire
Gagne, Eugene (a)	Metabetchouan	Metabetchouan
Gagnon & Leclerc	St. Joachim	St. Joachim
Gaspesian Fertilizer Co.	Port Daniel E.	Port Daniel E.
Gauthier, Jos. C., Ltd. (x)	St. Marc des Carrières	St. Marc des Carrières
Gauthier, René	7652 Henri Julien, Montreal	Belanger Twp.
Genest, L. G.	St. Bernard	Port Daniel
Gingras & Frère Ltée (x)	St. Marc des Carrières	St. Marc des Carrières
Gorman, T. G. Construction Co. Ltd.	1440 St. Catherine St. W., Montreal	Coteau du Lac
Harrison, George & Cie	Petit Matane	Matane Co.
Kennedy Construction Co. Ltd.	407 McGill St., Montreal	Actonvale
Laberge & Marchand	Chateauguay	Chateauguay

DIRECTORY, 1940 (Continued)STONE QUARRYING INDUSTRYLIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>QUEBEC (Concluded) -</u>		
Lagace, Nap.	L'Abord-a-Plouffe	St. Martin
Lakeshore Construction Co.	Pointe-Claire	Pointe-Claire
Lamothe, Napoleon	Pont Rouge	Pont Rouge
Langlois, Wilbrod	103 rue St. Pierre, Quebec	Val Brilliant
La Pierre & Chaux Ltee	St. Marc des Carrieres	St. Marc des Carrieres
Lapointe, A. & E. (x)	12034 Lachapelle, Montreal	Cartierville
Lapointe, Emile	St. Dominique, Bagot	St. Dominique
Larouche, Jean-Bte.	Baie St. Paul	Baie St. Paul
Lasalle Products Ltd.	159 W. Jean Talon St., Montreal	Ville St. Michel
Laurentian Stone Co. Ltd.	195 Nicholas St., Ottawa, Ont.	Wrightville
Leclerc, J. J.	Drapeau	Drapeau
Leclerc and Robitaille	Roberval	Roberval
Leroux, L. P.	Beaconsfield	Beaconsfield
Lessard, Joseph	St. Joachim	St. Joachim
Levesque, Armand	Roberval	Roberval
Levesque & Langlois (a)	Riviere-Bleue	Temiscouata
Martineau Fils Ltee (x)	517 Marie-Anne E., Montreal	Pont Viau, Montreal
Mercure, C.	9 rue St-Denis, St. Hyacinthe	Bagot Co.
Miner, R. H. Co. Ltd.	719 Sun Life Bldg., Montreal	St. Laurent
National Quarries Ltd.	6301 Park Ave., Montreal	Cote St-Michel
Noel, Oscar	64 Montcalm Ave., Hull	Wrightville
O'Connors Inc.	Huntingdon	Huntingdon Co.
Outimet, Eugene	St. Jean	St. Jean
Paquette, Levis & Cie (x)	Cap St. Martin	Cap St. Martin
Paquin, Laurent	1043 Blvd. des Forges, Three Rivers	St. Marc des Carrieres
Pearson, Honore	Port Daniel Station	Bonaventure Co.
Pelletier, Joseph E.	Ste-Anne des Monts	Ste-Anne des Monts
Pierre & Chaux Ltee	St. Marc des Carrieres	St. Marc des Carrieres
Quebec Department of Highways	Quebec	Varicus
Rousseau, T. E.	105 Cote de la Montagne, Quebec	Val Brilliant
St. Francis Rock Products and Equipment Ltd.	8050 Bloomfield Ave., Montreal	St. Laurent Parish
St. Laurent Quarry Ltd.	Ville St. Laurent	Laval Co.
St. Laurent Stone Products & Supplies Ltd.	8050 Bloomfield Ave., Montreal	Cote St. Marguerite
St. Michel Lime Co.	7805 Blvd. St. Michel, Montreal	Montreal
Shawinigan Chemicals Ltd.	Box 6072, Montreal	Bedford
Société des Agriculteurs de Lévis	249 rue St. Georges, Lévis	Lévis
Standard Clay Products Ltd.	Box 189, St. Johns	St. Johns
Standard Lime Co. Ltd.	Joliette	St. Paul de Joliette
Syndicate de Broyage de Levis	R. R. 1, St. Joseph de Levis	Ville Lauzon
Tessier, S.	174 Laurier St., Hull	Hull Twp.
Trappist Fathers	Village des Peres	Village des Peres
Stone & Quarry Ltd. (x)	8013 rue St-Denis, Montreal	St-François de Sales
Syndicate de Broyage de Levis	Levis	Levis
Tremblay, Napoleon	31 rue Joffre, Hull	Hull
Trudel, Nap. & Fils	St. Irene	Charlevoix Co.
Union des Carrieres & Pavages Ltee	48 Second Ave., Quebec	Charlesbourg W.
Valleyfield, City of	Valleyfield	New Salaberry
Varin, Joseph	8128 Blvd. St. Michel	St. Michel
Verreault, E. Ltd. (x)	194 rue du Pont, Quebec	Giffard
Villeneuve, François	Pointe-au-Pic	Pointe-au-Pic

## DIRECTORY, 1940 (Continued)

## STONE QUARRYING INDUSTRY

## LIMESTONE (Continued)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>ONTARIO -</u>		
Brunner, Mond Canada, Ltd.	Bank of Commerce Bldg., Toronto	Essex Co.
Canada Cement Co. Ltd.	Box 290, Station B, Montreal, Que.	Belleville
Canada Crushed Stone Ltd.	Sun Life Bldg., Hamilton	W. Flamboro Twp.
		Hagersville
Code, W. H.	Smiths Falls	Various
Coldwater Crushed Stone Ltd.	Coldwater	Simcoe Co.
Collingwood, Town of	Collingwood	Collingwood
Cook, J. S. (x)	Warton	Bruce Co.
Curran and Briggs Ltd.	203 Manning Chambers, Toronto	Larchwood
Foster, R. R.	86 Spadina Ave., Ottawa	Nepean Twp.
Gow, James (a)	Fergus	Fergus
Gypsum, Lime & Alabastine Canada Ltd.	Paris	Hespeler, Beachville and Milton
Hagersville Quarries Ltd.	Hagersville	Hagersville
Haldimand Quarries & Construction Ltd.	137 Wellington St. W., Toronto	Hagersville
Hicks, Wm. & Son (a)	Owen Sound	Owen Sound
Innerkip Quarries Ltd.	445 Fleet St. W., Toronto	Innerkip
Jamieson Lime Co.	Renfrew	Horton Twp.
Kingston Penitentiary (x)	Department of Justice, Ottawa	Portsmouth
Kirby Bros. Supply Co. Ltd.	215 Sussex St., Ottawa	Gloucester Twp.
Kirkfield Crushed Stone Ltd.	445 Fleet St. W., Toronto	Kirkfield
Lapierre, M. C.	1949 .. 8th Ave. E., Owen Sound	Owen Sound
Law, R. E., Crushed Stone Ltd.	Port Colborne	Port Colborne
Limestone Products Ltd.	406 Metropolitan Bldg., Toronto	N. Orillia Twp.
Longford Quarries Ltd.	Sun Life Bldg., Hamilton	Longford Mills
McGinnis & O'Connor	King St. E., Kingston	Barriefield
Noranda Mines Ltd.	1600 Royal Bank Bldg., Toronto	Haileybury
North American Cyanamid Ltd.	Royal Bank Bldg., Toronto	Beachville
Ontario Department of Highways	Parliament buildings, Toronto	Various
Ontario Reformatory	Parliament Buildings, Toronto	Guelph
Ontario Rock Co. Ltd.	18 Grenville St., Toronto	Belmont and Methuen Twp.
Pembroke, Corp. of	Pembroke	Pembroke
Pirson, John	Stevensville	Bertie Twp.
Queenston Quarries Ltd. (x)	76 Sun Life Bldg., Hamilton	St. Davids
Ritchie Cut-stone Co. Ltd.	250 Madison Ave., Toronto	Erin Twp.
Routiv Construction Co. Ltd.	21 Dundas Sq., Toronto	Leeds Co.
Walker Bros.	Box 586, Thorold	Stamford Twp.
Wehman, John	88 Pine St., Kingston	Kingston Twp.
White Valley Chemicals Ltd.	809 Lumsden Bldg., Toronto	Bobcaygeon
<u>MANITOBA -</u>		
Gillis Quarries Ltd.	Richards & Spruce Sts., Winnipeg	Garson and Stonewall
Manitoba Department 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	Moosehorn
		Stonewall
<u>ALBERTA -</u>		
Loder's Lime Co. Ltd.	Kananaskis	Kananaskis
Summit Lime Works Ltd.	Box 273, Lethbridge	Lethbridge
<u>BRITISH COLUMBIA -</u>		
Agostinelli & Vannuchi	957 Rossland Ave., Trail	Fife
Beale Quarries Ltd.	744 West Hastings St., Vancouver	Van Anda
B. C. Department of Highways	Victoria	Various
B. C. Pulp & Paper Co. Ltd.	Bank of Nova Scotia Bldg., Vancouver	Quatsino M.D.



DIRECTORY, 1940 (Continued)STONE QUARRYING INDUSTRYLIMESTONE (Concluded)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>BRITISH COLUMBIA (Concluded) -</u>		
Christensen, P. (Koeve Lime Quarries)	Namu	Namu
Cons. Mining & Smelting Co. of Canada Ltd. (a)	Trail	Proctor
Deeks Sand & Gravel Co. Ltd.	101 W. 1st Ave., Vancouver	Seymour Creek
Fernie, City of	Fernie	Coquitlam
Pacific Lime Co. Ltd.	744 Hastings St. W., Vancouver	near Fernie
Reynolds, H.	2475 Charles St., Vancouver	Texada Island
Richmond, Geo. W. & Co.	3239 W. King Edward Ave., Vancouver	Hope
Trail, City of	Trail	Vancouver
		Trail

MARBLE

<u>QUEBEC -</u>		
Canada Marble & Lime Co. Ltd.	74 Blvd. Levesque, L'Abord-a-Plouffe	L'Annonciation
Missisquoi Stone & Marble Co. Ltd. (x)	Philipsburg	Philipsburg
White Grit Co.	Hurdman Road, Ottawa, Ont.	Portage du Fort
<u>ONTARIO -</u>		
Bolender Bros. (White Star Mine) (a)	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) (a)	Verona	Verona
Silvertone Black Marble Quarries Ltd.	305 O'Connor St., Ottawa	St. Albert
Stockloser, Karl	Madoc	Eldorado
<u>ALBERTA -</u>		
Couch, E. J.	502 .. 9th St. N.E., Calgary	Radnor
<u>BRITISH COLUMBIA -</u>		
Marble & Associated Products	507 Ellice St., Victoria	Malahat

SANDSTONE

<u>NOVA SCOTIA -</u>		
Fairview Crushed Stone Co. Ltd.	637 Gottingen St., Halifax	Halifax
N. S. Department of Highways	Halifax	Various
Stanley Tools	New Britain, Conn., U.S.A.	Pictou Co.
Wallace Quarries Ltd. (x)	Wallace	Wallace
<u>NEW BRUNSWICK -</u>		
Read Stone Co. Ltd. (x) (a)	Sackville	Stonhaven
Smith, E. A. (x)	Shediac	Shediac
<u>QUEBEC -</u>		
Hleis, Jos.	32 Mont-Marie, Levis	St. Romauld
Deschambault Quarry Corp.	Bergerville	Bergerville
Gagnon, L. P.	St-David	St-David
La Cie d'Entreprises Gaspesiennes Ltd.	Mont Joli	Grand Remou
Oullet & Cie	rue St. Jerome, Matane	Matane
Pageot and Bouchard	Everell	Ste. Foy
Quebec Department of Highways	Quebec	Various

DIRECTORY, 1940 (Concluded)STONE QUARRYING INDUSTRYSANDSTONE (Concluded)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>QUEBEC (Concluded) -</u>		
Rousseau, T. E.	105 Cote de la Montagne, Quebec	New Carlisle
Roy and Cote	Cap Chat	Gaspé Co.
Sherbrooke, City of	Sherbrooke	Sherbrooke
Simard, A.	Pointe au Pic	Pointe au Pic
Vezina Quarry (x)	Ste-Foy	Ste-Foy
<u>ONTARIO -</u>		
Campbell Sandstone Quarries Ltd. (x)	163 Main St., Westboro	Nepean Twp.
Mountain Sandstone Quarry	Box 307, Georgetown	Esquesing Twp.
Norton, A. W.	Limehouse	Limehouse
Sykes, Thos.	Georgetown	Glen Williams
<u>ALBERTA</u>		
Oliver, Wm.	Cochrane	Cochrane
<u>BRITISH COLUMBIA -</u>		
Canadian Pacific Railways	Montreal	Revelstoke
Consolidated Mining & Smelting Co. Ltd.	Trail	Kimberley
McDonald, J. A. & C. H. Ltd. (x)	1571 Main St., Vancouver	Haddington Is.
<u>SLATE</u>		
<u>QUEBEC -</u>		
Broughton Soapstone & Quarry Co. (a)	Broughton Station	Ste-Thérèse Twp.
Williamson & Crombie	Kingsbury	Kingsbury
<u>ONTARIO -</u>		
Canada Slate Products Ltd.	11 King St. W., Toronto	Toronto
<u>BRITISH COLUMBIA -</u>		
Brown, O. M.	1903 Lansdowne Rd., Victoria	Kapoor
Richardson, Geo. W.	3239 West King Edward Ave., Vancouver	Howe Sound

2. SECONDARY PRODUCTIONTHE STONE PRODUCTS INDUSTRY, 1940

In 1940 there were 177 stone dressing works whose operations were reported separately from the quarries. These plants were engaged chiefly in cutting or polishing Canadian or imported stone to produce finished monuments or cut and dressed stone for construction purposes. Retail establishments engaged only in selling and lettering monuments have not been included. Five producers of rock wool were also included in this industry.

Output from this industry was valued at \$3,592,623 in 1940, a decline of 5.6 per cent from the total of \$3,805,989 reported for the previous year. The 81 works in Ontario accounted for 58 per cent of the total output and the 46 plants in Quebec for 24 per cent. The average number of employees was 1,061 and \$1,236,825 were paid in salaries and wages. Materials used in the cutting and dressing processes, including stone, cost \$1,183,112 and expenditures for fuel and electricity amounted to \$133,417.

Table 17 - PRINCIPAL STATISTICS OF THE STONE PRODUCTS INDUSTRY, 1930 - 1940

Year	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
		\$		\$	\$	\$	\$
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
1939 .....	190	4,991,636	1,257	1,458,780	139,438	1,259,547	3,805,989
1940 .....	182	4,697,903	1,061	1,236,825	133,417	1,183,112	3,592,623
Per cent change 1940 from 1939	...	-5.9	-15.6	-15.2	-4.3	-6.1	-5.6

NOTE: Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as, interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 18 - PRINCIPAL STATISTICS OF THE STONE PRODUCTS INDUSTRY, BY PROVINCES, 1939 and 1940

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
		\$		\$	\$	\$	\$
<b>1939</b>							
Prince Edward Island	2)						
New Brunswick .....	5)	120,916	35	37,225	2,270	27,660	87,635
Nova Scotia .....	9	106,829	37	36,726	2,921	42,292	118,019
Quebec .....	44	1,386,105	379	404,286	38,363	401,249	1,031,619
Ontario .....	87	2,619,038	613	765,813	81,541	640,926	2,044,382
Manitoba .....	13	172,770	53	41,346	4,038	33,785	102,638
Saskatchewan .....	10	153,860	39	43,184	3,211	27,113	95,075
Alberta .....	7	260,621	46	51,561	3,272	48,223	154,802
British Columbia ...	13	171,497	55	78,639	3,822	38,299	171,819
CANADA .....	190	4,991,636	1,257	1,458,780	139,438	1,259,547	3,805,989
<b>1940</b>							
Prince Edward Island	2)						
New Brunswick .....	5)	103,345	35	33,914	3,282	20,301	86,801
Nova Scotia .....	8	132,683	36	36,160	2,787	27,354	105,189
Quebec .....	46	1,132,560	259	287,212	25,937	395,028	877,875
Ontario .....	81	2,592,319	563	689,923	86,762	635,495	2,101,147
Manitoba .....	13	185,740	55	49,794	4,638	35,964	111,282
Saskatchewan .....	9	144,745	38	47,280	3,468	30,545	100,821
Alberta .....	7	252,041	38	46,899	3,391	25,383	123,891
British Columbia ...	11	154,470	37	45,643	3,152	13,042	85,617
CANADA .....	182	4,697,903	1,061	1,236,825	133,417	1,183,112	3,592,623



Table 19 - CAPITAL EMPLOYED IN THE STONE PRODUCTS INDUSTRY, 1939 and 1940

Provinces	Present value of land, build- ings, fixtures, machinery and tools	Inventory value of materials on hand, finished products and stocks in process	Operating capital (cash, bills and accounts receiv- able, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1939</u>				
Prince Edward Island)				
New Brunswick .....	46,345	43,173	31,396	120,916
Nova Scotia .....	60,857	12,725	33,247	106,829
Quebec .....	926,464	259,054	200,587	1,386,105
Ontario .....	1,575,165	480,209	563,664	2,619,038
Manitoba .....	58,703	77,152	36,915	172,770
Saskatchewan .....	67,973	36,651	49,236	153,860
Alberta .....	143,786	30,057	86,778	260,621
British Columbia ...	96,336	26,461	48,700	171,497
CANADA .....	2,975,629	965,482	1,050,525	4,991,636
<u>1940</u>				
Prince Edward Island)				
New Brunswick .....	45,593	38,484	19,268	103,345
Nova Scotia .....	56,055	46,015	30,613	132,683
Quebec .....	752,981	240,403	139,176	1,132,560
Ontario .....	1,649,723	471,772	470,824	2,592,319
Manitoba .....	57,433	85,032	43,245	185,740
Saskatchewan .....	67,639	32,302	44,804	144,745
Alberta .....	142,951	31,225	77,865	252,041
British Columbia ...	88,941	27,409	38,120	154,470
CANADA .....	2,861,346	972,642	863,915	4,697,903

Table 20 - EMPLOYEES, SALARIES AND WAGES OF THE STONE PRODUCTS INDUSTRY, BY PROVINCES, 1939 and 1940

Provinces	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
<u>1939</u>								
Prince Edward Island)								
New Brunswick .....	6	4	25	...	35	12,007	25,218	37,225
Nova Scotia .....	10	1	26	...	37	12,017	24,709	36,726
Quebec .....	73	6	300	...	379	114,660	289,626	404,286
Ontario .....	161	17	426	9	613	283,922	481,891	765,813
Manitoba .....	17	4	31	1	53	15,285	26,061	41,346
Saskatchewan .....	19	2	17	1	39	25,244	17,940	43,184
Alberta .....	13	4	29	...	46	21,424	30,137	51,561
British Columbia ...	21	1	33	...	55	31,018	47,621	78,639
CANADA .....	320	39	887	11	1,257	515,577	943,203	1,458,780
<u>1940</u>								
Prince Edward Island)								
New Brunswick .....	5	3	27	...	35	9,250	24,664	33,914
Nova Scotia .....	7	1	28	...	36	7,814	28,346	36,160
Quebec .....	71	3	185	...	259	99,394	187,918	287,212
Ontario .....	144	16	400	3	563	232,164	457,759	689,923
Manitoba .....	20	3	31	1	55	22,588	27,206	49,794
Saskatchewan .....	19	2	16	1	38	28,098	19,182	47,280
Alberta .....	10	4	23	1	38	17,272	29,627	46,899
British Columbia ...	17	1	19	...	37	23,280	22,363	45,643
CANADA .....	293	33	729	6	1,061	429,860	796,965	1,236,825

Table 21 - WAGE-EARNERS, BY MONTHS, IN THE STONE PRODUCTS INDUSTRY, 1939 and 1940 (On the last work day of each month)

Months	1 9 3 9			1 9 4 0		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	647	6	653	563	3	566
February .....	714	6	720	573	2	575
March .....	758	7	765	591	2	593
April .....	837	10	847	728	3	731
May .....	957	10	967	773	4	777
June .....	982	10	992	802	6	808
July .....	1,071	10	1,081	834	6	840
August .....	1,066	10	1,076	838	6	844
September .....	1,015	10	1,025	840	5	845
October .....	896	9	905	733	5	738
November .....	866	8	874	716	4	720
December .....	785	8	793	621	4	625
AVERAGE .....	887	11	898	729	6	735

Table 22 - HOURS WORKED PER WEEK BY WAGE-EARNERS IN THE STONE PRODUCTS INDUSTRY, 1940 (In one week of highest employment; overtime included)

Hours worked per week	Number of wage-earners	Per cent of total	Hours worked per week	Number of wage-earners	Per cent of total
30 hours or less ....	87	7.9	51 - 54 hours .....	50	4.6
31 - 43 hours .....	156	14.2	55 hours .....	28	2.6
44 hours .....	284	25.9	56 - 64 hours .....	110	10.0
45 - 47 hours .....	73	6.7	65 hours and over ...	121	11.0
48 hours .....	113	10.3	Total .....	1,096	100.0
49 - 50 hours .....	74	6.8	Total wages paid in selected week .....	\$26,504	

Table 23 - FUEL AND ELECTRICITY USED IN THE STONE PRODUCTS INDUSTRY, 1939 and 1940

Kinds	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian ...	short ton	1,427	8,792	165	1,497
Imported ...	short ton	950	5,991	2,300	14,766
Anthracite coal .....	short ton	287	3,214	298	3,298
Lignite coal .....	short ton	...	...	13	72
Coke .....	short ton	411	4,158	146	1,600
Gasoline .....	Imp. gal.	24,171	2,899	50,268	8,933
Kerosene or coal oil .....	Imp. gal.	5,649	1,175	119	15
Fuel oil .....	Imp. gal.	66,586	4,767	94,721	7,539
Wood .....	cord	252	1,201	262	1,288
Gas - Manufactured .....	M cu. ft.	30	31	64	65
Natural .....	M cu. ft.	742	449	843	389
Other fuel .....	...	...	897	...	805
Electricity purchased .....	K.W.H.	6,512,361	105,864	6,727,888	93,150
TOTAL .....	...	...	139,438	...	133,417

Table 24 - POWER EQUIPMENT IN THE STONE PRODUCTS INDUSTRY, 1939 and 1940

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1 9 3 9				
Steam engines and steam turbines .....	1	150	...	...
Diesel engines .....	3	106	...	...
Gasoline, gas and oil engines (other than diesel)	14	163	1	10
Total Primary Equipment .....	18	419	1	10
Electric motors run by purchased power .....	724	9,796	62	1,082
TOTAL .....	742	10,215	63	1,092
Electric motors run by power generated by above primary units .....	1	10	...	...
Stationary boilers .....	5	237	1	90

Table 24 - POWER EQUIPMENT IN THE STONE PRODUCTS INDUSTRY, 1933 and 1940 (Concluded)

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1 9 4 0				
Steam engines and steam turbines .....	1	150	...	...
Diesel engines .....	3	108	...	...
Gasoline, gas and oil engines (other than diesel) .....	10	234	...	...
Total Primary Equipment .....	14	490	...	...
Electric motors run by purchased power .....	667	8,445	63	1,042
TOTAL .....	681	8,935	63	1,042
Electric motors run by power generated by above primary units .....	1	10	...	...
Stationary boilers .....	5	302	...	...

Table 25 - COST OF MATERIALS USED IN THE STONE PRODUCTS INDUSTRY, 1939 and 1940

	Cost at works	
	1 9 3 9	1 9 4 0
	\$	\$
Granite and marble from Canadian quarries .....	521,918	380,650
Granite and marble (imported) .....	307,984	235,872
Monuments, cut and polished, for lettering only .....	106,275	99,114
All other materials .....	323,370	467,476
TOTAL .....	1,259,547	1,183,112

Table 26 - OUTPUT OF THE STONE PRODUCTS INDUSTRY, 1939 and 1940

Products	TOTAL SELLING VALUE AT WORKS	
	1 9 3 9	1 9 4 0
	\$	\$
Granite, cut and polished -		
(a) Monuments .....	1,513,958	1,416,298
(b) For building purposes .....	438,619	159,427
Marble, cut and polished -		
(a) Monuments .....	129,623	167,805
(b) For building purposes .....	174,275	218,271
Marble chips and dust .....	47,920	14,005
Limestone -		
(a) Monuments and bases .....	53,309	29,861
(b) For building purposes .....	664,270	446,441
Finished monuments, lettered only .....	182,828	132,775
Other products (x) .....	561,560	964,112
Repairs and custom work (re-lettering, etc.) .....	39,627	43,628
TOTAL .....	3,805,989	5,592,623

(x) Includes rock wool, etc.



Table 27 - PRODUCTION FROM THE STONE PRODUCTS INDUSTRY, BY PROVINCES, 1939 and 1940

	GRANITE		MARBLE		Marble chips and dust	LIMESTONE		Finished		TOTAL
	Monu-ments	For building purposes	Monu-ments	For building purposes		Monu-ments and bases	For building purposes	monu-ments, lettered only	Other products	
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Prince Edward Island and New Brunswick -										
1939 .....	63,283	87	13,780	...	...	1,610	...	2,225	280	87,635
1940 .....	61,634	3,575	13,081	...	...	1,480	...	2,201	700	86,801
Nova Scotia -										
1939 .....	73,863	2,900	8,856	4,816	...	...	...	25,275	1,709	118,019
1940 .....	63,013	2,846	11,334	...	...	75	...	26,291	1,630	105,189
Quebec -										
1939 .....	323,922	281,547	15,298	76,494	37,076	4,795	119,050	34,516	138,821	1,031,619
1940 .....	332,685	109,680	9,892	116,835	4,442	7,240	45,047	9,710	242,344	877,875
Ontario -										
1939 .....	799,165	436	57,932	72,681	518	37,914	539,317	89,320	446,899	2,044,382
1940 .....	738,332	8,159	75,740	79,305	324	7,480	391,835	50,407	724,519	2,101,147
Manitoba -										
1939 .....	21,968	1,911	11,033	5,837	255	6,690	3,591	534	819	102,638
1940 .....	60,514	4,088	8,490	8,673	300	2,288	...	25,568	1,361	111,282
Saskatchewan -										
1939 .....	45,321	24,777	235	4,697	...	...	357	12,589	7,099	95,075
1940 .....	42,357	...	29,463	275	875	6,398	295	13,228	7,930	100,821
Alberta -										
1939 .....	63,924	36,660	20,154	9,250	10,031	2,100	...	9,719	2,964	154,802
1940 .....	49,373	27,750	17,650	6,000	8,000	4,950	9,084	...	1,084	123,891
British Columbia-										
1939 .....	72,512	90,301	2,335	300	40	200	1,955	1,680	2,496	171,819
1940 .....	67,790	3,329	2,155	7,183	64	...	180	1,190	3,726	85,617
CANADA -										
1939 .....	1,513,958	438,619	129,623	174,275	47,920	53,309	664,270	182,828	601,187	3,805,989
1940 .....	1,416,298	159,427	167,805	218,271	14,005	29,861	446,441	132,775	1,007,740	3,592,623

Table 28 - TOTAL PRODUCTION IN CANADA OF DRESSED BUILDING STONE, 1926 - 1940

Years	GRANITE		GRANITE		LIMESTONE		Sand-stone from quarries	TOTAL
	From quarries	From dressing works	From quarries	From dressing works	From quarries	From dressing works		
	\$	\$	\$	\$	\$	\$	\$	\$
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	2,661,336	18,000	5,736,681
1929 .....	746,537	465,185	347,256	1,621,212	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	1,372,151	686,616	6,819,615
1932 .....	336,632	79,136	186,743	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	104,739	175,834	189,064	514,375	167,859	1,654,034
1937 .....	252,346	179,557	18,297	347,405	248,659	439,450	51,893	1,536,607
1938 .....	244,501	216,485	1,440	369,698	227,324	832,123	83,692	1,975,263
1939 .....	561,253	438,619	145,618	174,275	349,547	664,270	101,448	2,435,030
1940 .....	255,527	159,427	19,680	218,271	192,183	446,441	55,139	1,346,868

Table 29 - TOTAL PRODUCTION IN CANADA OF DRESSED MONUMENTAL AND ORNAMENTAL STONE, 1926 - 1940

Years	GRANITE		MARBLE		LIMESTONE		Sandstone from quarries	TOTAL
	From quarries	From dressing works	From quarries	From dressing works	From quarries	From dressing works		
	\$	\$	\$	\$	\$	\$		\$
1926 .....	196,820	1,619,206	466,648	376,859	3,908	94,446	...	2,757,887
1927 .....	147,510	1,726,293	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	...	2,393,153
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	...	1,754,278
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
1939 .....	260,375	1,513,958	800	129,623	3,321	53,309	525	1,961,711
1940 .....	223,203	1,416,298	...	167,805	2,218	29,861	...	1,839,385

(x) Sandstone.

Table 30 - PRODUCTION IN CANADA AND IMPORTS OF ROCK WOOL, 1932 - 1940

	Production \$	Imports	
		Pounds	\$
1932 (From October 12) .....	...	309,791	5,301
1933 .....	...	2,230,762	38,262
1934 .....	1,709	2,987,611	69,267
1935 .....	66,459	1,922,938	57,877
1936 .....	265,472	2,391,504	101,592
1937 .....	346,460	2,030,144	81,050
1938 .....	396,261	1,337,954	45,109
1939 .....	525,998	1,820,763	44,860
1940 .....	935,229	2,082,589	52,233

## PRODUCERS OF ROCK WOOL IN CANADA, 1940

Canadian Johns Manville Co. Ltd.	Asbestos, Que.
Canadian Gypsum Co. Ltd.	Weston, Ont.
Gypsum, Lime & Alabastine Ltd.	Toronto, Ont.
Insulation Products Ltd.	Todmorden, Ont.
Ottawa Silica & Sandstone Ltd.	East Templeton, Que.
Spun Rock Wools Ltd.	Thorold, Ont.

Table 31 - SALES OF ROCK WOOL BY CANADIAN PRODUCERS, 1939 and 1940

	Full thick	Semi-thick	Granulated	Bulk or	Industrial
	batts	batts	wool	loose wool	wool
	sq.ft.	sq.ft.	cu.ft.	cu.ft.	cu.ft.
1 9 3 9					
January .....	286,390	314,191	107,249	27,917	33,373
February .....	167,366	201,165	65,350	17,846	28,740
March .....	128,733	259,574	65,470	17,245	36,268
April .....	254,320	217,685	107,413	17,206	25,761
May .....	233,690	309,095	121,519	29,275	46,676
June .....	315,678	415,434	112,534	22,467	34,707
July .....	362,436	487,886	122,055	42,210	32,346
August .....	490,876	625,513	101,142	27,943	34,718
September .....	626,967	649,816	140,070	46,175	31,899
October .....	511,887	627,239	166,323	49,626	50,583
November .....	464,723	505,335	166,653	66,014	51,096
December .....	285,524	352,237	135,027	31,991	26,864
TOTAL .....	4,133,590	4,965,170	1,410,810	395,915	433,031

Table 31 - SALES OF ROCK WOOL BY CANADIAN PRODUCERS, 1939 and 1940 (Concluded)

	Full thick batts sq.ft.	Semi-thick batts sq.ft.	Granulated wool cu.ft.	Bulk or loose wool cu.ft.	Industrial wool cu.ft.
<u>1940</u>					
January .....	331,517	380,178	119,568	73,055	37,238
February .....	226,740	258,073	105,443	35,988	28,559
March .....	179,727	289,391	89,642	16,901	33,766
April .....	281,992	355,404	76,995	34,594	42,031
May .....	625,862	696,405	125,023	33,190	39,556
June .....	556,432	673,718	103,257	30,373	25,263
July .....	632,656	1,859,735	94,355	39,306	32,839
August .....	531,399	1,618,573	92,297	35,237	34,852
September .....	627,456	2,080,996	108,733	53,451	27,155
October .....	843,340	2,212,875	121,545	56,531	40,655
November .....	729,198	2,187,894	192,130	54,161	47,508
December .....	668,037	1,481,434	129,928	28,431	40,183
TOTAL .....	6,234,356	14,094,674	1,358,916	491,218	429,655

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1940

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

Names of CompaniesLocation of PlantsPRINCE EDWARD ISLAND -Beck, Vere & Son  
Chandler & BallMain St., Montague  
Malpeque Road, CharlottetownNOVA SCOTIA -Coughlan, James S.  
Keddy, C. L. Monumental Works  
Kelly Monumental Works  
Nixon's Monumental Works  
Rottler, Roy W.  
Steele, John D., & Sons  
Tingley, Harold  
Tingley, J. A., Granite WorksSimpson's Siding, Halifax  
171 Kempt Rd., Halifax  
Bridgewater  
R. R. 3, Middleton  
Main St., Kentville  
Commercial St., North Sydney  
13 Merkel St., Halifax  
AmherstNEW 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  
HampsteadQUEBEC -Anderson, James  
Beaudet & Frenette Ltée  
Beaulieu, Elzéar  
Berson, L., & Son  
Brault, Z.  
Brodie's Ltd.  
Brunet, Limitée  
Canadian Johns-Manville Co. Ltd.  
Caron, Eugene  
Chabot, J. Ray  
Chausse, Edouard & Fils  
Côté, Valère, Inc.  
Crate, James  
Dalceggio, F.  
Daudelin, Napoléon  
Ducharme, J. MauriceBeebe  
Mont Joli  
Ste. Hélène, Kamouraska  
3884 St. Lawrence Blvd., Montreal  
1 Champlain St., Valleyfield  
9th Ave., Iberville  
4485 Chemin Cote des Neiges, Montreal  
Manville St., Asbestos  
Ste. Anne de Beaupré  
Scott Junction, Co. Beauce  
524 King Ouest, Sherbrooke  
187 First Ave., Quebec  
190 Sophie St., Sorel  
4588 Chemin Cote des Neiges, Montreal  
92 St. Antoine St., St. Hyacinthe  
257 Notre Dame St., Victoriaville



DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1940  
(Continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>QUEBEC (Concluded) -</u>	
Dugas, Joseph	423 St. Charles Nord, Joliette
Dussault, Theo. & Cie	Mont Laurier
Fortin, Dollard	St. David de Levis
Gervais, René	1035 Blvd. des Forges, Trois Rivières
Gingras, Roch	Ste. Foy
Gignac, Joseph	St. Alban Village
Godin & Déglise	1253 St. Vallier St., Quebec
Gordon Stone Monument Reg'd.	4374 St. Lawrence Blvd., Montreal
Gosselin, Arsène	Bertherville 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	20 Desjardins St., Levis
Lafresnaye, Louis	Rivière du Loup
Lasalle Stone and Marble Co. Ltd.	Lafleur Ave., Ville La Salle
National Granite Works Ltd.	Iberville
Ottawa Silica & Sandstone Ltd.	East Templeton
Paquin, Laurent	1043 Blvd. des Forges, Three Rivers
Picard, Wilfred	3285 Desautels, Montreal
Robertson, Fred	Beebe Jct.
Rolland, J. H.	1285 rue St. Valier, Quebec
Savard, Armand	300 Chemin Chambly, Longueuil
Savard, J. Bte.	Ste. Anne de la Pérade
Smith Bros. Memorial Art Ltd.	1195 Ducharme St., Montreal
Smith Marble & Cons. Co. Ltd.	207 Van Horne Ave. W., Montreal
Sutton Marble & Granite Co.	Sutton
Thompson, T. C.	270 Wellington St. S., Sherbrooke
Thuot & Denicourt	87 Fourth St., Iberville
Todoro & Bigras	6766 Sherbrooke St., Montreal
<u>ONTARIO -</u>	
Advance Glass & Mirror Co. Ltd.	92-94 Adelaide St. E., Toronto
Ambroise, C. & Son	48 Alma St., Guelph
Ambroise, J. D.	Montreal Road, Eastview
Bayview Memorial Co.	Willow Cove
Benzie, W. E.	649 York St., Hamilton
Bloor Monumental Co.	322 Prince Edward Dr., Toronto
Bowers, Chas. Henry	266 King St., Prescott
Bradfield, W. & Son	335 Main St., Simcoe
Braun Monument Works	16 Andrew St., Kitchener
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
Clarke, D., & Co.	1044 Howard Ave., Windsor
Craib Son & Co.	1333 St. Clair Ave. W., Toronto
Doyle, J. E.	269 Eighth St. E., Owen Sound
Excelsior Granite & Marble Works	163 Pitt St. E., Windsor
Fallon Bros.	393 Princess St., Kingston
Franks, George & Co.	Argyle St., Renfrew
Galt Monument Works	62 Water St. N., Galt
Gladstone & Ross	388 East Block St., Fort William
George, J. T.	Port Elgin
Geard, A. W.	995 Barton St. E., Hamilton
Toronto Monumental Co.	153 St. Patrick St., Toronto
Guelph Marble and Granite Works (G. H. Farmworth)	Elora Rd., Guelph
Gypsum, Lime and Alabastine, Canada, Ltd.	Caledonia
Hardwick, H. G., & Son	30 Ottawa St. N., Hamilton
Collingwood Granite & Marble Works	81 Simcoe, Collingwood

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1940  
(Continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>ONTARIO (Concluded) -</u>	
Hibbard, Arthur, Cut Stone	195 Melita Ave., Toronto
Humberstone Cut Stone & Monument Works	590 King St., Port Colborne
Ideal Monument Works (T. Rapson)	R. R. 4, Springbank
Insulation Products Ltd.	Todmorden P. O.
Johnston & Cranston	1849 Yonge St., Toronto
Jones & Stevens	277 Rideau St., Ottawa
Kemp & Ronald	Listowel
Kilvington Bros., Ltd.	1357 St. Clair Ave. W., Toronto
Kingsway Monumental Works	112 Gault Ave., Toronto
Kitchener Monument Works	1015 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
London Marble & Granite Co. Ltd.	493 Richmond St., London
McIntosh Granite Co. Ltd.	1623 Yonge St., Toronto
McIntyre, George Co.	60 Danforth Ave., Toronto
McKay Cut Stone Co.	65 Shalmar Ave., Forest Hill
McMillan Granite Co. Ltd.	105 Ontario St., Sarnia
Memorial Company of Toronto	2299 Bloor St. W., Toronto
Monumental Art Co.	2168 Dundas St. W., Toronto
Napanee Memorial Granite Works	Dundas St., Napanee
National Cut Stone Ltd.	357 Logan Ave., Toronto
Niagara Cut Stone Co. Ltd.	Buttrey St., Niagara Falls
Nobbs, E. E.	Williams St. at C.P.R., London
Ontario Marble Co. Ltd.	Maria St., Peterboro
Orillia Monument Co.	252 Coldwater Rd. W., Orillia
Patterson & Cornelius	428 Queenston Rd., St. Catharines
Pollock & Ingham	151 Main St., Galt
Rhodes Memorials Ltd.	Cayuga
Riggs Bros.	650 Queen St., Niagara Falls
Rivercourt Memorials	300 O'Connor Drive, Toronto
Ritchie Stone Co.	51 Catherine St., Ottawa
Ruch, L. J. & Son	38 Avondale Ave., Stratford
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 Memorial Works	1539 Main St. E., Hamilton
Smith Monument Co.	349 Weston Road, Toronto
Spun Rock Woods Ltd.	65 Ormond St., Thorold
Standard Stone Co. Ltd.	1704 Howard Ave., Windsor
Stead, Arthur, Cut Stone Co. Ltd.	Frid St., Hamilton
Stubbs & Gibson	Morrisburg and Winchester
Strathroy Granite & Marble Co. Ltd.	Strathroy
Sudbury Memorial Works	453 Annley St., Sudbury
Taube Memorials	429 Spadina Ave., Toronto
Thomas, Geo., & Son	Industrial St., Leaside
Thomson Monument Co. Ltd.	862 Dupont 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
Wilcox Granite Co.	Plains Road, Hamilton
<u>MANITOBA -</u>	
Brooke, J. H. & Sons	266 Main St., Winnipeg
Brunet, Joseph O.	26 Lyndale Drive, Norwood
Cassan Monumental Co.	422 .. 10th St., Brandon
Fort Rouge Monumental Works	465 Gertrude Ave., Winnipeg
Gauthier, Joseph	554 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

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1940  
(Concluded)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>MANITOBA (Concluded) -</u>	
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 & Co.	1417 Mosser Ave., Brandon
Wheeldon & Sons	1055 Main St., Winnipeg
<u>SASKATCHEWAN -</u>	
Best Monumental Co.	721 Caribou St. W., Moose Jaw
Molaro Marble & Stone Works	23rd St. & Pacific 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
Young, Alex., Ltd.	Scarth St. and 4th Ave., Regina
<u>ALBERTA -</u>	
Alberta Granite, Marble & Stone Co. Ltd.	10702 .. 101st St., Edmonton
Hart, Albert J.	1821 Second St. E., Calgary
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
<u>BRITISH COLUMBIA -</u>	
Allan, A. S., & Co. Ltd.	880 Beach Ave., Vancouver
Art Monument Co. Ltd.	602 Kingsway, 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
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	4695 Fraser Ave., Vancouver



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