

553.5
C16
1937
D.

26-217

Historical File Copy

C.2

Published by Authority of the HON. W.D. EULER, M.P.,
Minister of Trade and Commerce.

CANADA

DBS

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH

**THE
STONE INDUSTRY
IN
CANADA
1937**

CANCELLED

including: 1. The Stone Quarrying Industry;
2. The Monumental & Ornamental
Stone Industry.



OTTAWA
1939

553.5
C16
1937
D.

Price 25 cents



553.5

C16
1937
D,

Mar 27/39 - Subs

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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Mineral Products and Chemicals: H. McLeod, B.Sc.
Mining Statistician: R. J. McDowall, B.Sc.

THE STONE INDUSTRY IN CANADA, 1937.

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 \$18,070,968 in 1937 according to finally revised statistics issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics, Ottawa. Production during the year totalled \$9,045,508 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 1937 numbered 4,057 and their combined earnings amounted to \$3,928,910.

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.

Canadian production of stone in 1937, including all varieties, totalled 6,935,612 short tons valued at \$6,939,360 as compared with 4,982,912 tons at \$5,134,153 in 1936 and 9,994,656 tons worth \$13,037,209 in 1930. The value of output during the year under review was the greatest since 1932, an increase that particularly reflects a revival in construction and the recent expansion in output by the chemical and metallurgical industries.

Of all primary stone shipped in 1937, limestone, at 5,542,806 short tons, comprised 79.9 per cent; granite at 1,135,099 tons 16.4 per cent; sandstone at 235,165 tons 3.4 per cent and marble 21,642 tons or 0.3 per cent.

Quebec and Ontario are the two largest stone producing provinces and each, in 1937, reported commercial shipments of granite, limestone, marble,

sandstone and slate. Of the total quantity of stone produced in the Dominion during 1937 the quarries of Quebec and Ontario contributed 28.2 and 60.9 per cent respectively. Limestone was quarried in every province except Prince Edward Island and Saskatchewan, granite in all but Prince Edward Island, Saskatchewan and Alberta, and sandstone in all but Prince Edward Island, Manitoba and Saskatchewan. Marble was produced in Quebec and Ontario and a relatively small tonnage of slate in Quebec, Ontario and British Columbia.

In 1937 quarry operators reported shipments of 49,098 tons of various building stone (not including monumental or ornamental stone) valued at \$746,370 as against 42,335 tons at \$714,616 in 1936 and 173,204 tons at \$4,184,778 in 1930. Producers' shipments of stone for chemical purposes in 1937, at 693,947 tons valued at \$626,297, established an all-time high record in the Canadian stone industry. Of the limestone sold for chemical purposes, 199,433 tons were consigned to pulp and paper mills, 345,742 tons to iron and steel plants, and smelters, and 28,902 tons to sugar refineries. During 1937 agriculture absorbed 112,628 tons of limestone and marble valued at \$131,071, while 1,497,655 tons of different kinds of stone, chiefly limestone, were used for concrete aggregate, and 3,169,136 tons as road metal. The tonnage of granite (trap), limestone and sandstone used for railroad ballast totalled 642,248 in 1937.

Imports into Canada of stone, and certain manufactures thereof, were appraised at \$1,151,373 in 1937 as compared with \$864,952 in the preceding year. Some of the more important import items recorded for 1937 included refuse stone at 592,593 short tons valued at \$348,319; 11,991 tons whiting at \$126,015; 1,587 grindstones at \$157,699; 1,015 tons mineral wool at \$81,050; and rough granite worth \$80,273. Exports of crushed and other stone from Canada during 1937 were evaluated at \$250,593 as against \$106,870 in 1936.

The number of firms reported as active in the Canadian stone quarrying industry totalled 418 in 1937 and their activities were distributed amongst the different provinces as follows: Nova Scotia 26, New Brunswick 9, Quebec 184, Ontario 163, Manitoba 6, Alberta 3, and British Columbia 27. Capital employed by the industry amounted to \$12,857,537, employees totalled 2,898, salaries and wages paid aggregated \$2,576,344, and the value of fuel, purchased electricity, explosives and various process supplies consumed was computed at \$1,085,548.

Canadian-United States Trade Agreement 1938

The following data prepared by the United States Tariff Commission show the former and new rates of duty on Canadian stone imported into the United States. The new rates were established under the trade agreement signed November 17, 1938, between the United States and Canada: -

Limestone, not suitable for monumental or building stone, crude; under 1935 agreement $2\frac{1}{2}$ cents per 100 pounds; under new agreement $2\frac{1}{2}$ cents per 100 pounds; the value of these imports, all from Canada, was \$4,492 in 1937. Stone, not specially provided for, ground or crushed, except Cornwall stone and marble chip (granite); under new agreement 15 per cent; under 1935 agreement 30 per cent; data relating to these particular imports from Canada during 1937 not available.

Stone and sand, burrstone, in blocks, rough or unmanufactured; quartzite; trap-rock; rottenstone; tripoli and sand, crude or manufactured; silica; cliff stone, freestone, granite, and sandstone, unmanufactured, and not suitable for use as monumental, paving, or building stone, all the foregoing, not specially provided for; bound (guaranteed against imposition of duty) on the free list under new

agreement; total of these imports in 1937 from all countries \$419,468; from Canada in 1937 \$360,063.

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

	1936	1937
Number of firms	426	418
Capital employed \$	11,899,852	12,857,537
Number of employees - On salary	254	284
On wages	2,258	2,614
Total	2,512	2,898
Salaries and wages - Salaries	\$ 360,471	427,624
Wages	\$ 1,682,745	2,146,720
Total	\$ 2,043,216	2,576,344
Selling value of products (Gross) \$	5,134,153	6,939,360
Cost of fuel and electricity	\$ 396,965	472,006
Process supplies used	\$ 444,739	613,542
Selling value of products (Net)	\$ 4,292,449	5,853,812

Table 2 - CAPITAL EMPLOYED, AVERAGE NUMBER OF EMPLOYEES, AND SALARIES AND WAGES PAID, BY PROVINCES, 1935, 1936 and 1937.

Provinces	Year	Number 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
New Brunswick.	1935	11	209,501	10,144	87	60,868	198,579
	1936	7	153,853	6,678	130	73,575	127,080
	1937	9	192,761	9,491	93	60,891	129,550
Quebec	1935	134	5,664,006	366,625	1,452	968,879	1,688,365
	1936	192	4,384,921	360,701	1,228	814,973	1,368,666
	1937	184	5,327,000	373,123	1,438	1,022,174	1,839,898
Ontario	1935	182	4,376,190	276,744	595	559,809	1,587,148
	1936	169	5,189,718	385,100	703	731,395	2,013,356
	1937	163	5,914,613	612,870	1,032	1,139,066	3,050,898
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
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
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
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

(x) Exclusive of electricity generated by operator. (a) Process supplies only.

Table 3 - AVERAGE NUMBER OF WAGE-EARNERS, BY MONTHS, 1935, 1936 and 1937.

Month	1935	1936	1937	Month	1935	1936	1937
January	779	1,119	1,098	July	3,076	3,305	3,785
February	839	1,024	1,091	August	3,138	3,232	3,804
March	1,069	1,245	1,441	September ..	3,287	2,699	3,782
April	1,580	1,891	2,089	October	3,175	2,610	3,413
May	2,440	2,871	2,922	November ...	2,584	2,204	2,637
June	2,890	3,407	3,284	December ...	1,643	1,266	1,875

Table 4 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT WHOSE REGULAR HOURS PER WEEK WERE -

Hours	1936	1937	Hours	1936	1937
	No.	No.		No.	No.
40 or less	528	422	51-53	27	55
41-43	32	64	54	543	589
44	143	225	55	246	93
45-47	83	96	56-59	159	276
48	1,297	1,142	60	661	968
49-50	103	298	Over 60	429	429

Table 5 - FUEL AND ELECTRICITY USED, 1936 and 1937.

Kind	Unit of measure	1936		1937	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Anthracite coal	short ton	1,887	13,577	292	2,274
Bituminous coal - Canadian	short ton	4,333	31,677	3,192	24,056
Imported	short ton	6,479	44,293	11,264	73,905
Lignite coal	short ton	-	-	-	-
Coke	short ton	-	-	250	2,099
Gasoline	Imp. gal.	239,804	49,578	355,824	83,631
Kerosene	Imp. gal.	3,521	446	3,306	630
Fuel oil	Imp. gal.	134,180	16,492	173,974	20,134
Wood	cord	5,245	13,424	7,093	13,022
Other fuel	xx	-	-	-	-
Electricity purchased	K. W. H.	17,467,894	227,478	13,807,394	252,255
TOTAL	xx	-	396,965	-	472,006
Electricity generated for own use .	K. W. H.	-	-	1,317,300	-
Cost of explosives and other process supplies used	\$	-	444,739	-	613,542

Table 6 - POWER INSTALLATION, 1937.

	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	100	4,114	20	1,207
Diesel engines	30	2,832	-	-
Gasoline, gas and oil engines other than diesel	138	4,868	10	217
Hydraulic turbines or water wheels ..	12	1,210	7	310
Electric motors run by purchased power	810	24,230	48	1,251
Electric motors run by own power	37	1,710	-	-
TOTAL POWER EMPLOYED	1,127	38,964	85	2,985
Boilers installed	51	2,176	12	708

Table 7 - The following table gives the value of construction contracts awarded in Canada from 1925 to 1937, 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	12,066,532	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

(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 eleven months ending November 30, 1938, totalled \$176,592,400 according to "McLean Building Reports Ltd."

Table 8 COMPARISON OF THE PRINCIPAL STATISTICS OF THE CONSTRUCTION INDUSTRY IN CANADA, 1936 and 1937.

		1936	1937	Increase
Reports received	No.	9,976	10,855	879
Capital invested	\$	164,322,276	176,971,223	12,648,947
Salaried employees	No.	21,059	22,431	1,372
Salaries paid	\$	25,270,846	30,398,287	5,127,441
Wage earning employees (average)	No.	121,285	129,221	7,936
Wages paid	\$	87,575,538	120,239,004	32,663,466
Total employees	No.	142,344	151,652	9,308
Total salaries and wages paid	\$	112,846,384	150,637,291	37,790,907
Cost of materials used	\$	122,189,238	175,844,435	53,655,197
Value of work performed:	\$	258,040,400	351,874,114	93,833,714
New construction (including sub- contract work)	\$	170,645,824	244,946,916	74,301,092
Alterations, maintenance and repairs	\$	87,394,576	106,927,198	19,532,622
Subcontract work performed,	\$	35,710,083	46,975,118	11,265,035
New construction	\$	29,979,166	40,025,508	10,046,342
Alterations, maintenance and repairs	\$	5,730,917	6,949,610	1,218,693

(Construction Branch, Dominion Bureau of Statistics)

Table 9 ACTUAL VARIATIONS IN THE PRINCIPAL STATISTICS OF THE CONSTRUCTION INDUSTRY IN CANADA, 1937, IN COMPARISON WITH 1936, 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	- 52,764	- 114	- 55,880	+ 52,709	- 61,693	
Nova Scotia	+ 970,773	+ 595	+ 788,321	+ 2,041,897	+ 4,746,109	
New Brunswick	+ 926,764	-1,140	+ 352,221	+ 3,196,733	+ 5,574,893	
Quebec	+ 5,022,108	+7,884	+20,176,882	+16,929,178	+33,558,644	
Ontario	+ 5,375,783	+3,199	+13,175,652	+23,977,568	+40,091,894	
Manitoba	- 2,092,269	-1,117	- 412,625	+ 575,252	- 453,696	
Saskatchewan	- 8,994	- 657	- 444,034	+ 241,268	+ 121,827	
Alberta	+ 94,850	- 273	+ 610,230	+ 955,926	+ 1,587,034	
British Columbia and Yukon	+ 2,412,696	+ 931	+ 3,600,140	+ 5,684,666	+ 8,668,702	
CANADA	+12,648,947	+9,308	+37,790,907	+53,655,197	+93,833,714	

(Construction Branch, Dominion Bureau of Statistics)

Table 10 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES, BY KINDS AND BY PROVINCES, 1936 and 1937.

Province		Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1936</u>							
Nova Scotia	tons	66,507	20,860	-	167,205	-	254,572
	\$	99,855	36,365	-	239,109	-	375,329
New Brunswick	tons	1,485	53,781	-	4,165	-	59,431
	\$	73,784	55,564	-	4,410	-	133,758
Quebec	tons	137,912	1,265,243	17,866	92,228	805	1,514,052
	\$	429,283	1,058,547	138,294	102,388	855	1,729,367
Ontario	tons	492,227	2,205,992	4,765	3,436	260	2,706,680
	\$	582,603	1,773,764	29,204	10,805	2,080	2,398,456
Manitoba	tons	185	49,261	60	-	-	49,506
	\$	2,038	69,837	90	-	-	71,965
Alberta	tons	-	13,876	-	40	-	13,916
	\$	-	26,188	-	3,200	-	29,388
British Columbia	tons	243,427	122,535	175	18,434	184	384,755
	\$	131,750	123,607	2,110	135,944	2,479	395,890
CANADA	tons	941,743	3,731,548	22,866	285,508	1,247	4,982,912
	\$	1,319,313	3,143,872	169,698	495,856	5,414	5,134,153
<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	-	13,220	186	463,611
	\$	318,725	177,939	-	52,561	2,790	552,015
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

NOTE - Not included in the above limestone statistics are 1,180,358 tons of limestone consumed in the cement industry in 1936 and 1,465,168 tons in 1937. Limestone used in the Canadian lime industry is also not included; it is estimated that approximately 800,000 tons of limestone were burned in the manufacture of lime in 1936 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, 1936 and 1937.

For use as follows -	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1936</u>						
Building stone - Rough... tons	2,840	15,418	129	2,195	-	20,582
\$	10,472	57,199	5,690	7,736	-	81,097
Dressed... tons	5,624	11,465	937	3,727	-	21,753
\$	171,858	189,064	104,738	167,859	-	633,519
Monumental and Rough... tons	4,087	84	419	-	-	4,590
ornamental stone - \$	35,234	1,857	12,190	-	-	49,281
Dressed... tons	4,355	30	-	-	-	4,385
\$	231,482	893	-	-	-	232,375
Flagstone tons	10	340	-	631	-	981
\$	90	1,806	-	2,772	-	4,668
Curbstone tons	3,339	-	-	-	-	3,339
\$	21,793	-	-	-	-	21,793
Paving blocks tons	289	-	-	-	-	289
\$	2,484	-	-	-	-	2,484
Lining open-hearth furnaces tons	-	895	-	-	-	895
\$	-	1,713	-	-	-	1,713
Chemical -						
Flux in iron and steel plants tons	-	187,169	-	-	-	187,169
\$	-	122,706	-	-	-	122,706
Flux in smelters tons	-	92,130	-	-	-	92,130
\$	-	64,534	-	-	-	64,534
Glass factories tons	-	1,278	2,300	-	-	3,578
\$	-	1,916	8,200	-	-	10,116
Pulp and paper mills ... tons	-	192,997	4,960	-	-	197,957
\$	-	193,555	3,968	-	-	197,523
Sugar refineries tons	-	23,207	-	-	-	23,207
\$	-	26,903	-	-	-	26,903
Other chemical uses tons	-	107,761	3,405	-	-	111,166
\$	-	129,091	2,724	-	-	131,815
Pulverized Stone -						
Whiting tons	-	-	-	-	-	-
\$	-	-	-	-	-	-
Asphalt filler tons	6,413	3,766	-	-	-	10,179
\$	4,827	10,242	-	-	-	15,069
Dusting coal mines tons	-	806	-	-	-	806
\$	-	3,226	-	-	-	3,226
Agricultural purposes .. tons	-	93,071	960	-	-	94,031
\$	-	114,477	1,920	-	-	116,397
Crushed stone for manu- facture of artificial tons	-	-	987	-	-	987
stone \$	-	-	5,137	-	-	5,137
Roofing granules tons	9,255	-	-	-	444	9,699
\$	74,040	-	-	-	4,559	78,599
Poultry grit tons	-	1,250	1,402	-	-	2,652
\$	-	4,653	5,233	-	-	9,886
Stucco dash tons	3	479	1,478	-	-	1,960
\$	50	2,901	6,009	-	-	9,049

Table 11 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1936 and 1937. (continued)

For use as follows -	Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1936</u> - concluded						
Terrazzo chips tons	5	-	2,137	-	-	2,142
\$	100	-	11,304	-	-	11,404
Rock wool tons	-	9,634	-	-	-	9,634
\$	-	10,016	-	-	-	10,016
Rubble and riprap tons	295,063	171,407	2,102	7,273	803	476,648
\$	121,680	121,106	1,362	6,433	855	251,436
Crushed stone -						
Concrete aggregate ... tons	25,445	985,075	650	2,975	-	1,014,145
\$	32,921	694,198	627	2,871	-	730,617
Road metal tons	160,019	1,514,661	1,000	228,247	-	1,903,927
\$	195,095	1,182,909	507	274,623	-	1,653,134
Railroad ballast tons	424,996	318,625	-	40,460	-	784,081
\$	417,187	208,907	-	33,562	-	659,656
TOTAL CANADA (b) ... tons	941,743	3,731,548	22,866	285,508	1,247	4,982,912
\$	1,319,313	3,143,872	169,698	495,856	5,414	5,134,153

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

1937

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	2,335	-	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

Table 11 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1936 and 1937. (concluded)

For use as follows -		Granite (a)	Limestone (b)	Marble	Sandstone	Slate	TOTAL
<u>1937 - concluded</u>							
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	-	639	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
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	-	61,554	414	699,586
	\$	431,758	125,703	-	50,521	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	137,793	-	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	235,165	900	6,935,612
	\$	1,827,433	4,673,942	88,595	343,871	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.

Table 12 - PRODUCTION OF GRANITE(x) IN CANADA, 1928 - 1937.

Year	Short tons	\$	Year	Short tons	\$
1928	1,195,810	2,366,946	1933	256,723	679,585
1929	1,728,165	3,080,815	1934	200,285	781,739
1930	1,851,132	3,379,951	1935	326,354	1,126,287
1931	1,190,887	3,763,050	1936	941,743	1,319,313
1932	490,822	1,110,582	1937	1,135,099	1,827,433

(x) Includes all igneous rock.

According to the Bureau of Mines, Ottawa, the tendency in the building trade has been to employ coloured granites to a greater extent than heretofore in the form of thin polished slabs for trim for buildings in which the main colour scheme needs some contrast to relieve it.

Canadian granites are suitable for all the purposes for which granite is used, and with consistent advertising to enable the Canadian products to become better and more widely known, there is no reason why this industry should not have a promising future.

Table 13 - PRODUCTION OF LIMESTONE IN CANADA, 1938 - 1937.

Year	Short tons	\$	Year	short tons	\$
1928	6,949,420	7,267,437	1933	2,572,911	2,142,516
1929	7,720,840	8,172,681	1934	3,747,779	3,157,832
1930	7,732,675	8,075,616	1935	3,631,665	3,253,573
1931	6,262,430	6,305,538	1936	3,731,548	3,143,872
1932	3,687,241	3,227,715	1937	5,542,806	4,673,942

"The Canadian rock wool industry, which utilizes shaly dolomite in the manufacture of its various products, expanded considerably in 1937 and further expansion is in prospect. New uses for limestone are continually being developed. Recently 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 and will not disintegrate, and is comparable in refractoriness with materials that are several times as expensive. A present use for limestone that is capable of enormous development is in agriculture.

"The principal quarries from which limestone in blocks of large dimensions for building purposes is obtained are in Quebec, Ontario and Manitoba. In Quebec there are three quarries at St. Marc des Carrières producing grey limestone, and at Montreal several quarries producing a limestone of similar colour. In Ontario a large quarry near Queenston in the Niagara Peninsula, produces silver-grey limestone together with small quantities of buff and of variegated buff-and-grey, and at Longford Mills buff, silver-grey, and brown limestone for use both as marble and building stone is produced. The Manitoba quarries, three in number, are at Garson, near Tyndall, and yield mottled grey, mottled buff and mottled variegated limestone. In addition limestone quarries producing small quantities of building stone (chiefly rubble) for local use are worked near Quebec City and Hull in the Province of Quebec, and at Ottawa, Kingston, Erin and Warton in Ontario. Some of the quarry companies market stone in all stages of manufacture from the mill block to elaborately carved material. Other companies sell stone only in the mill block. Waste material is utilized for crushed stone, rubble, chemical and metallurgical purposes, etc." (Bureau of Mines - Ottawa)

"A new method of cleaning stonework, which has met with unqualified success in England, is worthy of consideration. It has been found that limestone surfaces can be cleaned effectively and with no damage to the stone by applying a fine misty spray of water to the surface for one to two hours before brushing. Experiments conducted on buildings of Bath and Portland stone ranging in age from 70 to 100 years gave very satisfactory results even where the stone was encrusted with greasy soot. A series of nozzles are attached to scaffolding and the stonework is sprayed in successive sections. After several hours soaking, the dust may be removed by light brushing. The method is particularly useful on carved work that cannot be brushed or rubbed easily. No caustic soda or other harmful chemicals are used. The method

is not successful for sandstone. Further details are given in the report of the Director of Building Research of the Department of Scientific and Industrial Research, London. (United States Bureau of Mines)

Table 14 - PRODUCTION OF SANDSTONE IN CANADA, 1928-1937.

Year	Short tons	\$	Year	Short tons	\$
1928	100,951	223,236	1933	99,043	108,562
1929	159,407	398,974	1934	115,169	143,283
1930	384,610	769,060	1935	342,824	838,005
1931	924,101	1,332,883	1936	285,508	495,856
1932	500,480	349,458	1937	235,165	343,871

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 1937 from quarries located in all of the provinces with the exception of Prince Edward Island, Manitoba and Saskatchewan.

Table 15 - PRODUCTION OF MARBLE IN CANADA, 1928-1937.

Year	Short tons	\$	Year	Short tons	\$
1928	7,753	414,682	1933	10,897	65,913
1929	14,012	414,062	1934	13,783	69,475
1930	26,089	809,582	1935	15,975	85,369
1931	20,442	668,713	1936	22,866	169,698
1932	12,379	250,706	1937	21,642	88,595

"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, whitening 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 and marble sand." (Bureau of Mines - Ottawa)

Table 16 - PRODUCTION OF SLATE IN CANADA, 1928-1937.

Year	Short tons	\$	Year	Short tons	\$
1928	No production		1933	250	3,750
1929	No production		1934	738	4,802
1930	150	3,000	1935	1,129	4,329
1931	250	5,000	1936	1,247	5,414
1932	250	3,750	1937	900	5,519

In 1937 slate was produced only in Quebec, Ontario and British Columbia; the output totalled 900 short tons valued at \$5,519 and was sold chiefly as roofing granules, terrazzo chips and rubble and riprap. The following information relating to the important slate industry in the United Kingdom is from "Mineral Trade Notes" issued by the U. S. Bureau of Mines: -

"While slate is produced in widely separated parts of the United Kingdom, the chief deposits are in North Wales, which furnish about 90 per cent of the total production. The slate industry in this region is of great antiquity. The deposits were discovered by the Romans, who, during their 400 years occupation of Britain, found many uses for the material. In the succeeding Saxon and Norman periods, however, little or no attention was given to slate quarrying until Henry III gave it a new impulse. From then, the industry developed steadily, the greatest development occurring in the nineteenth century. At present limited quantities of waste slate are marketed as powders crushed to varying degrees of fineness. At the Penrhyn quarry a slate powder is marketed for road surfacing with bitumen; the slate powder is also used as a mastic for flat roofs and as a filler in rubber, paint, paper and many other products. The most popular sizes of roofing slates are 24 x 12 inches, 20 x 10 inches, and 18 x 10 inches. As for trends, in the past few years, the North Wales slate industry has been unusually prosperous, however, the principal problem facing the slate industry, and one that has militated against a more substantial demand for slates, is the increasing use of tiles and other artificial roofing materials. Slate producers have attempted to meet part of the demand for coloured roofing in colouring slates various shades of green and red by a colloidal process. At present the 'all-in cost of roofing is about 30 per cent cheaper with tiles than with the best North Wales slate. In addition to the rapid strides that the tile industry has made at the expense of roofing slates, the demand has declined substantially for thick sheets and sawn slabs of slate, used in the past for dairy and sanitary fittings. For these purposes slate has been replaced by manufactured wares of a more aesthetic and hygienic nature, which also can be produced at lower cost."

Table 17 - PRODUCTION OF STONE FOR BUILDING PURPOSES, CHEMICAL USE, CEMENT MANUFACTURE, CONCRETE AGGREGATE, ROAD METAL AND RAILWAY BALLAST, 1930-1937.

		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	-
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	-

(a) Does not include monumental or ornamental stone.

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

(c) Includes shale.

Table 18 - THE THERMAL CONDUCTIVITY OF SUNDRY MATERIALS (1)

Material	Thickness (inches)	Moisture %	Density lb. per cu. ft.	Mean Temp. °F.	Conductivity B.T.U. per hr., per sq. ft., per °F., per in.
Wood fibre	0.520	4.3	16.0	52	0.358
Cardboard	0.199	7.8	31.8	54	0.449
Cork	1.029	0.9	11.5	46	0.302
Plaster board	0.379	8.0	48.8	31	0.998
Flax waste	0.833	6.4	10.8	50	0.323
Eel-grass	0.228	9.7	6.5	46	0.251
Animal wool	0.273	8.1	7.9	51	0.229
Asbestos cement	1.130	1.0	45.0	44	1.100
Gypsum	1.021	0.9	11.0	46	0.357
Asbestos and crushed rock	1.079	0.5	80.0	65	1.48
Lime and diatomite	1.341	2.0	42.0	56	0.87
Concrete and cinder	2.690	-	48.5	58	1.28
Rock wool	1.100	Negligible	6.1	55	0.247
Sphagnum peat moss	1.106	11.0	3.9	58	0.264

(1) Contributed by C. D. Niven - Physicist, National Research Laboratories, Ottawa.

Table 19 - CALCULATED EFFECT OF INSULATION ON FUEL CONSUMPTION OF UNINSULATED HOUSE.

Area insulated	Type of insulation	Normal fuel consumption saved %
Windows	Storm windows	10
Walls	Rigid or flexible insulation 1 inch	10
Walls	Fill, 3 5/8 inches mineral wool type	18
Roof	Rigid or flexible insulation 1 inch	10
Roof	Fill, 3 5/8 inches mineral wool type	14
Windows, roof and walls ..	Storm windows, rigid or flexible insulation 1 inch	30
	Storm windows, fill insulation 3 5/8 inches mineral wool type	42

The data in table 19 are taken from "Engineering and Contract Record" - Toronto, and were compiled by the Ontario Research Foundation. They represent the probable savings in fuel consumption for a "typical" well-constructed, two-storey house. The values represent ideal conditions.

Table 20 - IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1936 and 1937.

	1 9 3 6		1 9 3 7	
	Tons	Value	Tons	Value
		\$		\$
<u>IMPORTS -</u>				
Curling stone and handles Pair	618	13,354	669	14,710
Building stone, other than marble or granite, sawn on more than two sides, but not sawn on more than four sides	-	-	-	-
Building stone, other than marble or granite, planed, turned, cut, or further manufactured than sawn on four sides	87	9,222	8	314
Flagstone, sandstone, and all building stone, not hammered, sawn or chiselled ..	3,049	20,446	5,818	34,479
Flagstone and building stone, other than marble or granite, sawn on not more than two sides	460	3,456	1,202	8,479
Granite, rough, not hammered or chiselled.	-	70,667	-	80,273
Granite, sawn only	-	7,094	-	11,022
Granite, monuments	-	17,628	-	16,732
Granite, manufactures of, n.o.p.	-	4,733	-	6,908
Marble, rough, not hammered or chiselled .	-	15,765	-	16,729
Marble, sawn or sand rubbed, not polished.	-	24,107	-	31,991
Marble, not further manufactured than sawn for tombstones	-	11,715	-	12,655
Marble, manufactures of, n.o.p.	-	15,774	-	15,327
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

Table 20 - IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1936 and 1937.
(concluded)

	1936		1937	
	Tons	Value \$	Tons	Value \$
IMPORTS - concluded				
Paving blocks of stone	-	20	-	22
Refuse stone, not sawn, hammered or chiselled	304,440	184,481	592,593	348,319
Slate roofing .....square	1,426	12,294	2,162	18,711
Slate pencils and school writing slates ..	-	8,524	-	5,790
Slate mantels and manufactures of slate, n.o.p.	-	13,337	-	30,270
Chalk, china, Cornwall or cliff stone and mica schist	-	32,253	-	55,558
Mineral wool	1,196	101,592	1,015	81,050
Whiting, gilders' whiting and Paris white	12,498	121,017	11,992	126,015
Manufactures of stone, n.o.p.	-	17,055	-	25,170
Lithographic stones not engraved	-	186	-	266
Chalk prepared	-	8,219	-	6,873
Pumice and pumice stone, lava and calcareous tufa, not further manufactured than ground	-	21,275	-	26,238
Grindstones, not mounted, and not less than 36 inches in diameter .....No.	1,013	122,028	1,587	157,699
Burrstones, rough in blocks .....No.	158	570	24	1,232
Ganister	4,097	8,140	2,405	5,980
TOTAL	-	864,952	-	1,151,373
 (x) From February 26, 1937.				
EXPORTS -				
Crushed stone	49,728	90,924	132,006	233,824
Granite and marble, unwrought	1,156	8,788	1,234	11,408
Freestone, limestone, and other building stone, unwrought	571	2,090	659	1,380
Dressed stone of all kinds	-	3,380	-	3,846
Grindstones, manufactured	-	1,688	-	135
TOTAL	-	106,870	-	250,593

DIRECTORY, 1937

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> -		
(x) Dauphinee, W. T.	Shelburne	Shelburne
(x) Nixon, W. H.	R. R. 3, Middleton	Nictaux West
Nova Scotia Dept. of Highways	Halifax	Various
(x) Rice Bros.	Lawrencetown	Nictaux West
(x) Rice, W. D.	Middleton	Nictaux West
(x) Shelburne Marble & Granite Works	Shelburne	Birchtown
<u>NEW BRUNSWICK</u> -		
(x) Granite St. Paving & Con. Co. Ltd.	Rothsay Ave., Saint John	Hampstead
(x) Milne Coutts & Co. Ltd.	St. George	St. George
(x) B. Mooney & Sons Realty Ltd.	Box 727, Saint John	Hampstead
(x) O'Brien & Baldwin	St. George	St. George
<u>QUEBEC</u> -		
Alcoa Power Co. Ltd.	Chute a Caron	Chicoutimi Co.
B. & R. Granite Quarry	Beebe	Ogden Twp.
(x) Bernier & Fils	Box 491, Roberval	Roberval
(x) Berube, Lucien	Brownsburg	Chatham Twp.
(x) Brodie's Ltd.	1070 Bleury St., Montreal	(Mt. Johnson (Guenette (Graniteville
Brunet, Jos.	4411 Chemin Côte des Neiges, Montreal	Montreal
Bullock, Wright	Graniteville	Ogden Twp.
(x) Bussière, A. L.	St. Sebastien	Ste. Cecile
Chicoutimi, City of	Chicoutimi	St. Paul Twp.
(x) Cloutier, R. L.	Beebe	Beebe
Delwaide & Goffin	Chicoutimi	Chicoutimi
Derosiers, Albert	Beebe	Stanstead Twp.
(x) Deschambault Quarry Corp.	56 Rue St. Pierre, Quebec	St. Gérard de Wolfe
Descoleaux, Jos.	La Tuque	La Tuque
Didier, Jos. Belley	Jonquière	Jonquière
Dontigny, Alphonse	Glenada	Ste. Flore
(x) Drummond Quarry Ltd.	Drummondville	Drummondville
(x) Dubois, Honore	Rivière à Pierre	Colbert Twp.
Dumas, Auguste	Rivière a Pierre	Bois Twp.
Emslie and Denny	Beebe	Beebe
Ferland and Fortin	Metabetchouan	Metabetchouan

DIRECTORY, 1937 (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		
Foundation Co. of Can. Ltd.	485 McGill St., Montreal	Saguenay Co.
(x) Gagnon, Arthur	76 Rue St. Louis, Grand'Mère	Grand'Mère
Gaillardets & Dupont	Shawinigan Falls	Shawinigan
Gauthier, Jos., Jr.	81 rue Taché, Chicoutimi	Arvida
(x) Gingras et Frere Ltée.	St. Marc des Carrières	Stanhope
Gosselin, Oscar	Lac Megantic	St. Samuel
(x) Granit National Ltée., Le	St. Joseph d'Alma	Lac St. Jean Co.
Granit Rouge de St. Canut Enrg.	757 Mont Royal Est, Montreal	St. Canut
Grenier Elie	Glenada	Glenada
Haselton, W. M.	Beebe	Stanstead Co.
Henrikson and Hokanson	R. R. 1, Beebe	Graniteville
(x) Inter-Provincial Construction Limited	Rigaud	Rigaud
Jonquière, Ville de	Jonquière	Jonquière
Lacasse & Boulais	Box 23, Beebe	Beebe
Langevin, H. & J. C. Coté	Chicoutimi	Chicoutimi
Laroche, Omer	Rivière a Pierre	Rivière a Pierre
Maltais, Charles	St. Joseph D'Alma	St. Joseph D'Alma
McIntosh, Robert	Beebe	Ogden Twp.
Quebec Dept. of Highways	Quebec	Various
Port Alfred, Town of	Port Alfred	Port Alfred
Riverin and Riverin	Chicoutimi	Chicoutimi
St. Bruno Quarry & Paving Co. Ltd.	636 Ave. Querbes, Outremont	Chambly Co.
St. Jerome, Ville de	St. Jerome	St. Jerome
(x) Silver Granite Co. Ltd.	180 Côte d'Abraham, Quebec	(Rivière-à-Pierre St. Samuel Sta.)
(x) Stanstead Granite Quarries Co. Ltd.	Beebe	Graniteville
Trudel, Nap.	St. Irénée	St. Irénée
Voyer, F. & Frère	Rivière a Pierre	Rivière a Pierre
(x) Wilkinson, Frank L.	Beebe	Stanstead Co.
<u>ONTARIO</u> -		
(x) Building Products Ltd.	Box 2529 Montreal, Que.	Verona, Mountain Grove
Canadian Dredge & Dock Co. Ltd.	Midland	Port Arthur Harbour
Canadian Nepheline Syenite	Canada Permanent Bldg., Toronto	Lakefield
Fort William, City of	Fort William	Mt. McKay
Grenville Crushed Rock Co. Ltd.	917 Keefer Bldg., Montreal	Hawk Lake
Gummesson Quarry	Butler	Butler
(x) Hall, R. R.	Parry Sound	Parry Sound
Hewitson Construction Co.	Port Arthur	McIntyre Twp.

DIRECTORY, 1937 (continued)

STONE QUARRYING INDUSTRY.

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

GRANITE (concluded)

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>ONTARIO - concluded</u>		
(x) Horne, Wm. Hydro Electric Power Commission	Butler via Ignace 620 University Ave., Toronto	Butler (Patricia Dist. (Cochrane Dist.
Ontario Rock Co. Ltd.	320 Bay St., Toronto	Belmont Twp.
<u>MANITOBA -</u>		
(x) Winnitoba Marble Co. Ltd.	1180 Wall St., Winnipeg	Hawk Lake and Hodgson
<u>BRITISH COLUMBIA -</u>		
(x) B. C. Monumental Works Ltd.	27 Kingsway, Vancouver	Granite Island
Canadian National Railways	Montreal, Que.	Various
Canadian Pacific Railways	Montreal, Que.	Various
Coast Quarries Ltd.	1840 Georgia St. W., Vancouver	Granite Falls
Cons. Mining & Smelting Co. of Canada Ltd.	Trail	Portland Canal M.D.
Gilley Bros. Ltd.	902 Columbia St. W.	New Westminster
Huchcroft Quarries	Box 54, Cranbrook	Cranbrook
(x) Nelson Granite & Monumental Co.	505 Front St., Nelson	Nelson
Port Alberni, City of	Port Alberni	Alberni
Prince Rupert, City of	Prince Rupert	Prince Rupert
(x) Vancouver Granite Co. Ltd.	932 Marine Bldg., Vancouver	Nelson Island
(x) Vernon Granite & Marble Co.	Okanagan Landing	Yale Dist.
(x) Wilson, James S.	Sirdar	Sirdar

LIMESTONE

NOVA SCOTIA -

Eastern Lime Co. Ltd.	Windsor	Windsor
Kirkpatrick, Robie	Kirkhill	Kirkhill
McLean, Peter	Nappan	Nappan
McVicar & McDonald	Bailey's Brook	(Bailey's Brook (Lime Rock
Mersey Paper Co. Ltd.	Liverpool	East River
Mosher, O. P.	Musquodoboit Harbour	Musquodoboit Hbr.
North Inverness Lime Crushing Assoc.	Cheticamp	River Dennis and Judique
N. S. Dept. of Agriculture	Truro	Various
Nova Scotia Dept. of Highways	Halifax	Various

DIRECTORY, 1937 (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>NEW BRUNSWICK</u> -		
Clark, J. Sutton	L'Etang	L'Etang
Gilbert, Geo.	Bathurst	Bathurst
Randolph & Baker	Randolph	Randolph
Snowflake Lime Ltd.	Saint John	Saint John
<u>QUEBEC</u> -		
Andorno, J. E.	Cap St. Martin	Cap St. Martin
Babin, Emilien	Rivière Caplan	Rivière Caplan
Beaudry, J. Pitro	41 rue Taché, Joliette	Blvd. Querbes
Blais, Jos.	Levis	Levis
Boily, Albert	Baie St. Paul	Charlevoix Co.
Boivin, Ladislav	Baie St. Paul	Baie St. Paul
Bourque, A.	St. Marc des Carrières	St. Marc des Carrières
Canada Cement Co. Ltd.	Phillips Square, Montreal	Hull and Montreal East
Canadian Quarries Ltd.	4740 rue Iberville, Montreal	Montreal
Carrière du Cap Martin Enrg.	636 Querbes, Outremont	Cap St. Martin
Carrière Gravel Ltd.	Chateau Richer	Chateau Richer
(x) Carrière Marcil Ltd.	St. Michel Station	Chateauguay
Carrière de St. Barthélemi Ltd.	St. Barthélemi	St. Barthélemi
Carrières St. Marc Ltd.	St. Marc des Carrières	St. Marc des Carrières
Carrière Chateau	Chateau Richer	Chateau Richer
Carrière St. Maurice Ltd.	307 rue Alexandre, Trois Rivières	Champlain Co.
(x) Cercle Agricole	St. Godefroy	St. Godefroy
(x) Charron, Arthur	Belanger	Laval Co.
(x) Charbonneau Lucien & Cie.	St. François de Sales	Laval Co.
Charbonneau, G.	8013 St. Denis St., Montreal	Montreal
Chauffage & Ventilation Ltée.	105 Côte de la Montagne, Quebec	Val Brilliant
Chenel, Rev. J. E.	Port Daniel East	Port Daniel E.
(x) Dept. of Justice	Ottawa	St. Vincent de Paul
(x) Deschambault Quarry Corp.	56 Rue S. Pierre, Quebec	St. Marc des Carrières
Desilets, J. A.	St. Louis de Champlain	St. Louis de Champlain
(x) Dominion Lime Ltd.	East Angus	Lime Ridge
Drouin, Madame Eva Cimon	Ste. Justine	Ste. Justine
Dubé, Philippe	St. Clement	St. Paul de la Croix
Durocher, Cyrille	11021 Notre Dame E., Montreal E.	Montreal E.

DIRECTORY, 1937. (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>		
(x) Faubert, Alphonse	De Léry	Chateauguay Co.
Fortin, Georges	St. Honoré de Chicoutimi	Chicoutimi
Francoeur, J. B.	St. Godfroi	St. Godfroi
Fuger and Smith Ltd.	Pointe Claire	Pointe Claire
Gagné, Octave	St. Ulric	Matane Co.
Gagné, Eugène	Métabetchouan	Métabetchouan
Gagnon, Auguste	St. Godfroi	St. Godfroi
Gaspesian Fertilizer Co.	Port Daniel E.	Port Daniel E.
(x) Gauthier, Olivier	St. Marc des Carrières	St. Marc des Carrières
Gauthier, René	Village Bélanger	Laval Co.
(x) Gingras et Frère Ltée.	St. Marc des Carrières	St. Marc des Carrières
Guillemette, André	St. Marc des Carrières	St. Marc des Carrières
Harrison, Georges et Cie	Poncheville	Matane Co.
Kennedy Construction Co. Ltd.	407 McGill St., Montreal	Actonvale
Laberge and Marchand	Chateauguay	Chateauguay
Lagace, Nap	L'Abord-a-Plouffe	St. Martin
Lakeshore Construction Co.	Pointe Claire	Pointe Claire
Landry, Seguin & Benoit	Richelieu	Richelieu
La Carriere Marcil Ltd.	St. Michel Station	St. Michel Station
Laclerc & Gagnon	St. Joachim	St. Joachim
(x) Lapointe, A. & E.	12034 Lachapelle, Montreal	Cartierville
Lapointe, Emile	St. Dominique, Bagot	St. Dominique, Bagot
LaSalle Products Ltd.	199 W. Jean Talon St., Montreal	Ville St. Michel
Laurentian Stone Co. Ltd.	195 Nicholas St., Ottawa, Ont.	Wrightville
Leclerc & Gagnon	St. Joachim de Montmorency	Montmorency Dist.
Leclerc, J. J.	Drapeau	Drapeau
(x) Lecrenier, Victor	8465 Rue Berri, Montreal	Cap St. Martin
Leger and Charlton Ltd.	400 Notre Dame St., Lachine	Lachine
Leroux, L. P.	Beaconsfield	Beaconsfield
Levesque, Armand	Roberval	Roberval
(x) Martineau Fils Ltée	517 Marie-Anne E. Montreal	Pont Viau, St. Marc des Carrières
Mercure, C.	9 rue St. Denis, St. Hyacinthe	Bagot Co.
Miner, R. H. Co. Ltd.	7411 Delanaudiere St., Montreal	St. Laurent
Montreal Quarry Ltd.	6217 Delanaudiere St., Montreal	Montreal
National Quarries Ltd.	6301 Park Ave., Montreal	Côte St. Michel
(x) Noel, Oscar	61 Montcalm St., Hull	Wrightville
Paquette, Lévis, et Cie.	Cap St. Martin	Cap St. Martin
(x) Pearson, Honoré	Port Daniel Station	Bonaventure Co.
Quebec Dept. of Highways	Quebec	Various

DIRECTORY, 1957. (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> - concluded		
St. Francis Rock Products and Equipment Ltd.	8050 Bloomfield Ave., Montreal	St. Laurent Parish
St. Michel Lime Co.	8476 Lajeunesse Blvd., Montreal	Montreal
Schetagne, Wilfrid	309 Bord du Lac, Pointe-Claire	Côte St. Charles
Shawinigan Chemicals Ltd.	Box 2670, Montreal	Bedford
Society Agriculture of Rivière du Loup	Isle Verte	St. Eloi
Standard Clay Products Ltd.	Box 189, St. Jean	St. Jean
Standard Lime Co. Ltd.	Joliette	St. Paul de Joliette
St. Laurent Quarry Ltd.	299 Monkland Blvd., St. Laurent	Canton Belanger
St. Onge, Omer	St. Dominique de Bagot	St. Dominique
Théoret, Magloire	Valleyfield	Valleyfield
Trappist Fathers	Village des Pères	Village des Pères
Tremblay, Napoleon	31 rue Joffre, Hull	Hull
Turcotte & Asselin	Chateau Richer	Chateau Richer
Union Construction Ltd.	4014 Wilson Ave., Montreal	Taughnawaga
Union des Carrieres & Pavages Ltée.	3 Blvd. Charest, Quebec	Charlesbourg
Valleyfield, City of	Valleyfield	New Salaberry
Verreault, E. Ltd.	194 rue du Pont, Quebec	Giffard
Villeneuve, François	Pointe-au-Pic	Pointe-au-Pic
<u>ONTARIO</u>		
Bourgie, J. B.	Box 50, Embrun	Russell Co.
Brunner, Mond Canada Ltd.	Bank of Commerce Bldg., Toronto	Essex Co.
Canada Cement Co. Ltd.	Phillips Square, Montreal, Que.	Belleville
Canada Crushed Stone Co. Ltd.	Sun Life Bldg., Hamilton	(Dundas
Code, W. H.	Smiths Falls	(Hagersville
Coldwater Crushed Stone Ltd.	Coldwater	Oso Twp.
Cook, J. S.	Warton	Simcoe Co.
Decewsville Crushed Stone Co.	Elgin St., Hamilton	Bruce Co.
Edgar Irvine Co. Ltd.	Alexandria	Decewsville
Falconbridge Nickel Mines	25 King St. W., Toronto	Harrowsmith, Alexandria
Foster, R. R.	86 Spadina Ave., Ottawa	Sudbury Dist.
Gypsum Lime & Alabastine Can. Ltd.	Paris	Nepean Twp.
Hagersville Quarries Ltd.	Hagersville	Hespeler, Beachville and Milton
Haldimand Quarries & Cons. Ltd.	137 Wellington St. W., Toronto	Hagersville
Harvey, Harold	Kingston	Vernon, Howe Island, Alexandria
(x) Henniger, M. G.	Smiths Falls	N. Elmsley Twp.

DIRECTORY, 1937 - (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 -</u>		
Innerkip Quarries Ltd.	Fleet St., Toronto	Innerkip
Jamieson Lime Co.	Renfrew	Renfrew
(x) Jupp, A. E., Construction Company Ltd.	170 Berkeley St., Toronto	Campbellford
Kehoe, P. J.	Brechin	Minden Twp.
(x) Kingston Penitentiary	Dept. of Justice, Ottawa	Portsmouth
Kirby, T. Sidney Co. Ltd.	215 Sussex St., Ottawa	Gloucester Twp.
Kirkfield Crushed Stone Ltd.	Fleet St., Toronto	Kirkfield
Lapierre, M. C.	Owen Sound	Owen Sound
Law Construction Ltd.	225 Sterling Road, Toronto	Owen Sound
Limestone Products Ltd.	1104 Hermant Bldg., Toronto	N. Orillia Twp.
Longford Quarries Ltd.	Sun Life Bldg., Hamilton	Longford Mills
McGinnis & O'Connor	412 King St., Kingston	Collins Bay
Noranda Mines Ltd.	1600 Royal Bank Bldg., Toronto	Haileybury
North American Cyanamid Ltd.	Royal Bank Bldg., Toronto	Beachville
Northern Development Dept.	Parliament Bldgs., Toronto	Various
Ontario Department of Highways	Parliament Bldgs., Toronto	Various
Ontario Reformatory	Parliament Bldgs., Toronto	Guelph
Ontario Rock Co. Ltd.	320 Bay St., Toronto	Belmont Twp.
Pembroke, Corp. of	Pembroke	Pembroke
Pirson, John	Stevensville	Bertie Twp.
(x) Queenston Quarries Ltd.	76 Sun Life Bldg., Hamilton	St. Davis
Rayner Construction Ltd.	29 Commercial St., Leaside	Coboconk
Routly Construction Co. Ltd.	21 Dundas Sq., Toronto	Rawdon and Portland Twps.
Walker Bros.	Box 586, Thorold	Stamford Twp.
Wehman, John	23 Plum St. Kingston	Kingston Twp.
Windmill Point Crushed Stone Co. Ltd.	Port Colborne	Port Colborne
<u>MANITOBA -</u>		
(x) Gillis Quarries Ltd.	Richards & Spruce Sts., Winnipeg	(Garson Poplarfield)
(x) Tyndall Quarry Co. Ltd.	1591 Erin St., Winnipeg	Garson
(x) Western Stone Co. Ltd.	401 Royal Bank Bldg., Winnipeg	Garson
Winnipeg, City of	Winnipeg	Stony Mountain
Winnipeg Supply & Fuel Co. Ltd.	812 Boyd Bldg., Winnipeg	(Spearhill Stonewall)
<u>ALBERTA -</u>		
Loder's Lime Co. Ltd.	Kananaskis	Kananaskis
Summit Lime Works	Box 273, Lethbridge	Lethbridge

DIRECTORY, 1937 (continued)

STONE QUARRYING INDUSTRY

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

LIMESTONE - concluded

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>BRITISH COLUMBIA -</u>		
Beale, F. J.	Van Anda	Van Anda
B. C. Dept. of Highways	Victoria	Various
B. C. Pulp and Paper Co. Ltd.	Bank of Nova Scotia Bldg., Vancouver	Quatsino, M.D.
Christensen, P. (Koeys Lime Quarries)	Namu	Namu
Cons. Mining & Smelting Co. of Canada Ltd.	Trail	Proctor
(x) Coulter, Thomas Hugh	Van Anda	Van Anda
Deeks Sand & Gravel Co. Ltd.	101 W. 1st Ave., Vancouver	(Seymour Creek Coquitlam)
Fife Lime Quarry	957 Rossland Ave., Trail	Fife
(x) Johnson, August (b)	Ritchie	Ritchie
Pacific Lime Co. Ltd.	744 Hastings St., Vancouver	Texada Island
Reynolds, H.	2475 Charles St., Vancouver	Yale Dist.
Trail, City of	Trail	Trail

MARBLE

<u>QUEBEC -</u>		
Canada Marble & Lime Co. Reg.	74 Blvd. Levesque, Montreal	L'Annonciation
(x) Wallace Sandstone Quarries Ltd.	132 St. James St. W., Montreal	Philipsburg
White Grit Co.	Hurdman Rd., Ottawa, Ont.	Portage du Fort
<u>ONTARIO -</u>		
(x) American Marble Co. Ltd.	171 Yonge St., Toronto	Bancroft
(x) 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. (ornamental stone products)	Verona	Verona
(x) Rock Construction Co. Ltd.	328 Dupont St., Toronto	Bancroft
Silvertone Black Marble Quarries Ltd.	305 O'Connor St., Ottawa	St. Albert
Stockloser, Karl	Madoc	Eldorado

DIRECTORY, 1937. (continued)

STONE QUARRYING INDUSTRY

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

SANDSTONE

<u>Name</u>	<u>Head Office Address</u>	<u>Location</u>
<u>NOVA SCOTIA</u> -		
Dibblee Construction Co. Ltd.	248 Albert St., Ottawa, Ont.	Mount Uniacke
Fairview Crushed Stone Co. Ltd.	609 Gottingen St., Halifax	Fairview
Nova Scotia Dept. of Highways	Halifax	Various
(x) Wallace Sandstone Quarries Ltd.	132 St. James St., Montreal, Que.	Wallace
<u>NEW BRUNSWICK</u> -		
(x) Smith, E. A.	Shediac	Shediac
<u>QUEBEC</u> -		
Blais, Jos.	10 Ave. Mont-Marie-Lévis	St. Louis de Pinte - endre, St. Nicholas
Chauffage & Ventilation Ltd.	105 Côte de la Montagne, Quebec	Leggatt's Point
Citadel Brick Ltd.	14 St. Joseph St., Quebec	Lauzon
Gagnon & Frère Enrg.	St. David	St. David
Paradis & Farley	1145 St. Gregoire, Montreal	Rimouski
Quebec Dept. of Highways	Quebec	Various
Rousseau, T. E.	48 - 2nd Ave., Quebec	(Leggatt's Point New Carlisle)
Vezina, Jos.	Ste. Foy	Ste. Foy
Warren & Simard Inc.	Point-au-Pic	Point-au-Pic
<u>ONTARIO</u> -		
Campbell Sandstone Quarries Ltd.	165 Main St., Westboro	Nepean Twp.
Corner, Austin	Inglewood	Inglewood
Mountain Sandstone Quarry	Box 307, Georgetown	Esquesing Twp.
Norton, A. W., Quarries	Limehouse	Limehouse
Sykes, Thos.	Georgetown	Glen Williams
Terra Cotta Quarries	Glen Williams	Glen Williams
<u>ALBERTA</u>		
(x) Oliver, Wm.	Cochrane	Cochrane
<u>BRITISH COLUMBIA</u> -		
Cons. Mining & Smelting Co. Ltd.	Trail	Kimberley
McDonald, J. A. & C. H. Ltd.	1571 Main St., Vancouver	Haddington and Gabriola Islds.

SLATE

<u>QUEBEC</u> -		
Broughton Soapstone & Quarry Co. Ltd.	Broughton Station	Ste. Thérèse Twp.
Williamson & Crombie	Kingsbury	Kingsbury
<u>ONTARIO</u> -		
(x) Crespey Slate Products Ltd.	Madoc	Madoc
(x) Canadian Slate Products Ltd.	11 King St. W., Toronto	Madoc
<u>BRITISH COLUMBIA</u> -		
Brown, O. M.	Kapoor	Kapoor

2. SECONDARY PRODUCTION -

THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY - 1937.

In 1937 there were 229 stone dressing works not operating in conjunction with the producers' own 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 \$3,371,242 in 1937, a gain of 1.8 per cent over the \$3,309,911 in 1936. Ontario plants numbering 121 accounted for 57 per cent of the total production and the 46 works in Quebec made 20 per cent.

The average number of employees in this industry in 1937 was 1,159 compared with 1,245 in the previous year; payments in salaries and wages decreased to \$1,352,566 from \$1,357,808.

Purchased materials, excluding fuel and power, used in manufacturing cost \$1,142,885 in 1937 as against \$1,070,902 in 1936.

Output value of dressed monumental and ornamental stone advanced 1.6 per cent during 1937 to \$1,762,400 from \$1,734,278, and the value of dressed building stone declined 41 per cent to \$965,412 from \$1,654,034 in 1936.

Table 18 - PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY,
1925 - 1937.

Years	No. of plants	Capital employed	Average number of em- ployees	Salaries and wages	Cost of fuel and electri- city 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	1,357,808	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

Table 19 - PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY,
BY PROVINCES, 1936 and 1937.

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
1936		\$		\$	\$	\$	\$
Prince Edward Island	2	48,050	9	9,205	200	9,507	27,033
Nova Scotia	9	76,112	27	25,431	1,957	39,131	98,681
New Brunswick	6	72,453	28	24,424	1,618	14,810	52,541
Quebec	47	1,015,058	306	273,802	31,434	181,093	598,388
Ontario	121	3,521,175	625	738,620	72,258	655,373	1,863,491
Manitoba	14	269,280	64	57,799	3,592	48,180	139,391
Saskatchewan	9	150,438	42	46,643	3,937	43,769	134,002
Alberta	5	257,868	32	38,353	2,335	12,957	90,634
British Columbia	14	355,874	112	143,531	9,820	66,082	305,750
CANADA	227	5,766,308	1,245	1,357,808	127,151	1,070,902	3,309,911
1937							
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

Table 20-CAPITAL EMPLOYED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1936 and 1937.

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
1936	\$	\$	\$	\$
Prince Edward Island	13,000	22,350	12,700	48,050
Nova Scotia	40,750	14,433	20,929	76,112
New Brunswick	41,266	19,133	12,054	72,453
Quebec	672,424	248,857	93,777	1,015,058
Ontario	2,373,456	532,986	614,733	3,521,175
Manitoba	80,035	109,611	79,634	269,280
Saskatchewan	61,917	37,544	50,977	150,438
Alberta	145,117	38,624	74,127	257,868
British Columbia	259,833	38,035	58,006	355,874
CANADA	3,687,798	1,061,573	1,016,937	5,766,308
1937				
Prince Edward Island	13,000	29,800	11,639	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

Table 21 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1937.

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
(a) PRODUCTION				
Under \$5,000.....	75	396,058	117	222,048
\$5,000 to \$10,000	59	620,925	151	425,560
\$10,001 to \$25,000	62	1,142,911	302	913,803
\$25,001 to \$50,000	22	1,423,504	283	789,729
\$50,001 to \$100,000	7	874,542	174	501,821
Over \$100,000	4	755,491	132	518,281
TOTAL	229	5,213,431	1,159	3,371,242
(b) NUMBER OF EMPLOYEES				
1 or 2	105	659,441	149	483,863
3 to 10	97	1,739,682	458	1,298,352
11 to 20	18	1,478,947	268	771,363
Over 20	9	1,335,361	284	817,664
TOTAL	229	5,213,431	1,159	3,371,242
(c) CAPITAL EMPLOYED				
Under \$25,000	185	1,655,171	506	1,424,693
\$25,000 to \$100,000	31	1,464,780	335	931,117
Over \$100,000	13	2,093,480	318	1,015,432
TOTAL	229	5,213,431	1,159	3,371,242

Table 22 - EMPLOYEES, SALARIES AND WAGES OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1936 and 1937.

INDUSTRIAL, BY PROVINCES, 1936 and 1937.								
Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES AND WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
1936						\$	\$	\$
Prince Edward Island	2	-	7	-	9	3,500	5,705	9,205
Nova Scotia	6	1	20	-	27	9,600	15,831	25,431
New Brunswick ..	8	3	16	1	28	9,932	14,492	24,424
Quebec	68	4	234	-	306	96,738	177,064	273,802
Ontario	179	24	419	3	625	287,045	451,575	738,620
Manitoba	15	7	42	-	64	21,728	36,071	57,799
Saskatchewan	15	1	26	-	42	18,551	28,092	46,643
Alberta	10	3	19	-	32	18,285	20,068	38,353
British Columbia	25	1	85	1	112	34,137	109,394	143,531
CANADA	328	44	868	5	1,245	499,516	858,292	1,357,808
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

Table 23 - WAGE-EARNERS, BY MONTHS, 1936 and 1937 (On the 15th or nearest representative date)

Months	1 9 3 6			1 9 3 7		
	Male	Female	Total	Male	Female	Total
January	540	2	542	431	3	434
February	544	2	546	404	3	407
March	704	2	706	497	4	501
April	823	4	827	694	5	699
May	927	3	930	733	7	740
June	1,047	4	1,051	861	7	868
July	1,155	4	1,159	897	13	910
August	1,136	4	1,140	917	8	925
September	1,047	5	1,052	939	7	946
October	961	4	965	988	7	995
November	798	3	801	928	6	934
December	638	2	640	770	5	775
AVERAGE	868	5	873	764	7	771

Table 24 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS (OVERTIME NOT INCLUDED), 1936 and 1937.

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
	1936	1937		1936	1937
40 hours or less	23.9	22.9	51-53 hours	4.6	2.9
41-43 hours	1.1	1.2	54 hours	2.3	2.4
44 hours	33.4	28.6	55 hours	5.0	3.5
45-47 hours	3.8	5.2	56-59 hours	3.2	4.7
48 hours	12.7	14.4	60 hours and over	4.7	9.1
49-50 hours	5.3	5.1			

Table 25 - FUEL AND ELECTRICITY USED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1936 and 1937.

Kinds	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian	short ton	541	4,341	308	2,469
Imported	short ton	172	1,632	1,397	8,946
Anthracite coal	short ton	566	5,014	143	1,793
Lignite coal	short ton	29	245	-	-
Coke	short ton	179	1,779	740	6,901
Gasoline	Imp. gal.	4,691	1,402	7,390	1,923
Kerosene or coal oil	Imp. gal.	44	8	1,566	135
Fuel oil	Imp. gal.	195,168	11,878	68,540	4,296
Wood	cord	281	1,630	708	2,977
Gas - Manufactured	M cu. ft.	64	60	148	138
Natural	M cu. ft.	2,525	1,533	2,970	1,572
Other fuel	xx	-	591	-	640
Electricity purchased	k. w. h.	5,688,797	97,038	5,175,879	90,419
TOTAL	xx	-	127,151	-	122,209

Table 26 - POWER EQUIPMENT IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1936 and 1937.

Kinds	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines ...	4	60	6	120
Diesel engines	2	56	1	17
Gasoline, gas and oil engines	8	146	15	352
Total Primary Equipment	14	262	22	489
Electric motors run by purchased power	746	10,676	698	9,669
TOTAL	760	10,938	720	10,158
Total Electric Motors	746	10,676	699	9,674
Boilers	5	105	9	605

Table 27 - COST OF STONE USED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1936 and 1937.

	Cost at works	
	1 9 3 6	1 9 3 7
	\$	\$
Granite and Marble from Canadian quarries		500,250
Granite and Marble (imported)	917,898	304,008
Monuments, cut and polished, for lettering only ...		171,265
All other materials	153,004	167,362
TOTAL	1,070,902	1,142,885

Table 28 - PRODUCTS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1936 and 1937.

Products	TOTAL SELLING VALUE AT WORKS	
	1 9 3 6	1 9 3 7
	\$	\$
Granite, cut and polished -		
(a) Monuments	1,317,005	1,468,895
(b) For building purposes	330,306	179,557
Marble, cut and polished -		
(a) Monuments	150,629	176,101
(b) For building purposes	175,834	347,405
Marble chips and dust	12,807	10,419
Limestone -		
(a) Monuments and bases	35,162	117,404
(b) For building purposes	514,375	438,450
Finished monuments, lettered only	410,640	356,629
Other products	299,827	220,623
Repairs and custom work (re-lettering, etc.)..	63,326	55,759
TOTAL	3,309,911	3,371,242

Table 29 - PRODUCTION FROM THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1936 and 1937.

	GRANITE		MARBLE		Marble chips and dust	LIMESTONE		Finished Monu-ments, lettered only	Other pro-ducts	TOTAL
	Monu-ments	For building purposes	Monu-ments	For building purposes		Monu-ments and bases	For building purposes			
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Prince Edward Island -										
1936	7,900	30	12,800	23	-	-	-	6,230	-	27,033
1937	9,000	67	17,400	-	-	-	-	8,568	-	33,035
Nova Scotia -										
1936	63,801	-	11,631	200	-	2,953	-	19,038	1,058	98,681
1937	59,888	89	14,046	737	-	2,954	31,669	-	2,198	111,581
New Brunswick -										
1936	48,231	1,100	-	620	-	140	-	2,180	270	52,541
1937	70,367	1,000	1,340	-	-	1,430	-	1,030	250	75,417
Quebec -										
1936	321,039	117,068	19,715	48,759	1,047	3,190	40,621	19,691	27,258	598,388
1937	316,326	53,507	29,598	101,979	2,800	3,745	119,457	23,277	40,731	691,420
Ontario -										
1936	699,148	37,159	60,015	36,107	210	18,041	435,754	289,282	287,775	1,863,491
1937	800,638	25,913	65,075	187,649	-	100,577	266,483	264,542	213,483	1,924,360
Manitoba -										
1936	51,485	210	3,949	33,531	5,658	1,368	9,872	32,146	1,172	139,391
1937	48,563	1,554	6,674	19,200	350	1,150	3,711	31,217	3,155	115,574
Saskatchewan -										
1936	42,616	1,455	20,716	2,087	840	7,320	18,128	9,170	31,670	134,002
1937	41,773	1,933	23,883	958	229	4,850	5,430	14,113	7,469	100,638
Alberta -										
1936	40,110	4,000	14,072	4,000	5,031	2,150	10,000	9,401	1,870	90,634
1937	48,103	6,000	15,389	5,000	7,040	2,498	10,500	12,212	3,198	109,940
British Columbia -										
1936	42,675	169,284	7,731	50,507	21	-	-	23,452	12,080	305,750
1937	74,237	89,494	2,696	31,882	-	200	1,200	1,670	5,898	207,277
CANADA -										
1936	1,317,005	330,306	150,629	175,834	12,807	35,162	514,375	410,640	363,153	3,309,911
1937	1,466,895	179,557	176,101	347,405	10,419	117,404	438,450	356,629	276,382	3,371,242

Table 30 - TOTAL PRODUCTION IN CANADA OF DRESSED BUILDING STONE, 1925 - 1937.

Years	GRANITE		MARBLE		LIMESTONE		Sand-	TOTAL
	From	From	From	From	From	From	stone	
	quarries	dressing works	quarries	dressing works	quarries	dressing works	from quarries	
	\$	\$	\$	\$	\$	\$	\$	\$
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	716,923	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	944,481	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	1,372,121	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

Table 31 - TOTAL PRODUCTION IN CANADA OF DRESSED MONUMENTAL AND ORNAMENTAL STONE, 1925 - 1937.

Years	GRANITE		MARBLE		LIMESTONE		TOTAL
	From	From	From	From	From	From	
	quarries	dressing works	quarries	dressing works	quarries	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

(x) Sandstone.

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937.

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.
Gray, W. F.
Keddy, C. L., Monumental Works
Keltie, Robert, & Son
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
108 Gerrish St., Halifax
171 Kempt Road, Halifax
687 Barrington St., Halifax
R. R. 3, Middleton
Main St., Kentville
Commercial St., North Sydney
13 Markel St., Halifax
Amherst
907 Prince St., Truro

NEW BRUNSWICK -

Kane, M. T., & Co. Ltd.
Miramichi Granite & Marble Works
Moore, John, & Sons
O'Brien & Baldwin
St. Stephen Granite Works
Sherrard, T. F., & Son
Stultz, Chester E.

Westmoreland Rd., Saint John
Chatham
130 Carleton St., Fredericton
St. George
Queen St., St. Stephen
135 Victoria St., Moncton
Rothesay Ave., Saint John

QUEBEC -

Beaudet & Frenette Ltée.
Beaulieu, Elzear
Berson, L., & Son
Brault, Z.
Brodie's Ltd.
Brunet, A.
Brunet, J., Limitée

Caron, E.
Chabot, J. Ray
Chausse, Edouard & Fils
Cote, Valère
Crete, James
Dalceggio, F.

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

Mont Joli
Ste. Helene, Kamouraska
3896 St. Lawrence Blvd., Montreal
1 Champlain St., Valleyfield
9th Ave., Ibterville
Ormstown
4485 Chemin Côte des Neiges,
Montreal
Ste. Anne de Beaupré
Scott Junction Co. Dorchester
57 rue Aberdeen, Sherbrooke
187 First Ave., Quebec
178 Sophie St., Sorel
4588 Chemin Côte des Neiges,
Montreal
92 St. Antoine 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, 1937. (continued)

Names of Companies

Location of Plants

QUEBEC - concluded

Fortin, Dollard	St. David de Levis
Gignac, Azarias	St. Alban
Gingras, Roch	Ste. Foye
Godin & Delisle	1253 St. Valier 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
Lachute Marble & Granite Works	Main St., Lachute
Lafresnaye, Louis	Rivière du Loup
Lasalle Stone Co. Ltd.	Lafleur Ave., Ville La Salle
National Granite Works Ltd.	Iberville
Paquin, Laurent	1043 Blvd. des Forges, Three Rivers
Poulin, P. A.	222 Champlain St., St. Jean
Quinlan Cut Stone Ltd.	Bois Franc Rd., Cartierville
Robertson, Fred	Beebe Jct.
Rolland, J. A.	1285 rue St. Valier, Quebec
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
Tremblay, Geo. E.	113 Ninth Ave., Iberville

ONTARIO

Allan Bros.	11 Cambridge St., Lindsay
Alpaugh, J., & Sons	St. Andrews St., Fergus
Ambroise, L. & Son (West End Monumental Works)	58 Alma St., Guelph
Austin, P. O.	44 Colborne St., Simcoe
Bayne, D. M.	Kemptville
Beaver Marble & Granite	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	335 Main St., Simcoe
Brampton Monument Works	68 Queen St. W., Brampton
Brantford Monument Works	Cor. Gray and Market Sts., Brantford
Braun, Casper (Estate of)	16 Andrew St., Kitchener
Brockville Cemetery Memorial Works	R. R. 3, Brockville
Brown, R., & Son	376 Sparks St., Ottawa
Brown, Geo., Monumental Works	473 Bronson Ave., Ottawa
Campbell, A. C.	21 Bridge St. W., Belleville

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 (continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>ONTARIO - continued</u>	
Canadian Cut Stone Co.	5 Isabella St., Ottawa
Chapman, Wm. E.	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.	187 Kent St., Lindsay
Cunningham & Pryde	Main St., Exeter
Dillon, Joseph	55 Stone St., Gananoque
Doyle, J. E.	269 Eighth St. E., Owen Sound
Elgin Memorial Work	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
Goldberg Bros.	153 St. Patrick St., Toronto
Geard, A. W.	995 Barton St. E., Hamilton
Guelph Marble and Granite Works	Elora Rd., Guelph
Hardwick, H. G., & Son	30 Ottawa St. N., Hamilton
Hayes Bros. Co.	290 Klock Ave., North Bay
Hibbard, Arthur, Cut Stone	195 Melita Ave., Toronto
Humberstone Cut Stone & Monument Works	590 King St., Humberstone
Ideal Monument Works	R. R. 4, Springbank Drive, London
Insulation Products	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 Elma 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
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

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 (continued)

<u>Name of Companies</u>	<u>Location of Plants</u>
<u>ONTARIO - continued</u>	
McIntyre, George	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
Niagara Cut Stone Co. Ltd.	Buttrey St., Niagara Falls
Nichol, John	Acton
Nicholsons Cut Stone Ltd.	Copeland St., Leaside
Nobbs, E. E.	William 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
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
Richardson, R. H.	Victoria St., Hanover
Rigg Bros.	605 Queen St., Niagara Falls
Rivercourt Memorial Co.	300 Don Mills Road, Toronto
Ritchie Cut-Stone Co. Ltd.	New Toronto St., New Toronto
Ritchie Stone Co.	51 Catherine St., Ottawa
Rock Wool Corp. (Canada) Ltd.	38 Elgin St., Brantford
Ruch, L. J., and Son	38 Avondale Ave., Stratford
Rutledge, S. H.	Broadway Ave., Orangeville
Sanderson, R. J., Marble Co.	33 Peter St. S., Orillia
Sharp Bros.	516 Kenilworth St. N., Hamilton
Skelton, E. J., and 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 Wools Ltd.	65 Ormond St., Thorold
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

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 (continued)

<u>Name of Companies</u>	<u>Location of Plants</u>
<u>ONTARIO - concluded</u>	
Taub Monuments	497 Bathurst St., 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
Trenton Marble & Granite Works	Cor. Front & Ford Sts., Trenton
Twin City Monument Co.	King St. E., Kitchener
Wardell Monumental Works	2696 Dundas St. W., Toronto
Widdicombe, B.	5 Bond St., St. Catharines
Wideman, L. C., & Son	Stouffville
Wilcox Granite Co.	Plains Road, Hamilton
Williamson, W. A., & Sons	William St., Gananoque
Williscroft, B. A.	368 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
Campbell Bros.	90 Hespeler Ave., Winnipeg
Fort Rouge Monumental Works	465 Gertrude Ave., Winnipeg
Gauthier, Joseph	554 $\frac{1}{2}$ Des Meurons St., St. Boniface
Guinn & Simpson Co. Ltd.	52 Tupper St. N., Portage la Prairie
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 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
Molaro 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
Young, Alex., Ltd.	Scarth St., and Fourth Ave., Regina
<u>ALBERTA -</u>	
Alberta Granite, Marble & Stone Co. Ltd.	10702 - 101st St., Edmonton
Hart, Albert J.	1821 Second St. E., Calgary

DIRECTORY (concluded)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1937 (concluded)

Names of Companies

Location of Plants

ALBERTA - concluded

Lethbridge Monumental & Tile Works
McDonald Granite Co. Ltd.
North West Granite & Marble Co.

325 Eighth St. S., Lethbridge
2313 Second St. E., Calgary
8537 - 109th St., Edmonton

BRITISH COLUMBIA -

Allan, A. S., & Co. Ltd.
Art Monument Co. Ltd.
Bertram Marble and Granite Works
Burnaby Monumental Works
Continental Marble Co. Ltd.
Forster Monumental Works
Kingsway Monumental Works
McDonald, J. A. & C. H., Ltd.
Millins, C. E. J.

880 Beach Ave., Vancouver
602 Kingsway, Vancouver
4880 Fraser Ave., Vancouver
2655 Patterson Ave., Burnaby
1002 Georgia St. E., Vancouver
5528 Fraser St., Vancouver
3070 Kingsway St., Vancouver
1571 Main St., Vancouver
Pine St. and Comox Road,
Nanaimo

Mortimer, J., & Son

George Rd. and Government St.,
Victoria

Patterson & Chandler
Stewart Monumental Works Ltd.
Westaway Monumental Works

5498 Fraser St., Vancouver
1401 May St., Victoria
143 Columbia St. E.,
New Westminster

Willey Monument Works

4695 Fraser Ave., Vancouver

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010522833