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Stone Industry, Canada

CANADA,

S.B.S.

DEPARTMENT OF TRADE AND COMMERCE

COMMISSION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH

THE

STONE INDUSTRY

IN CANADA

1935

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

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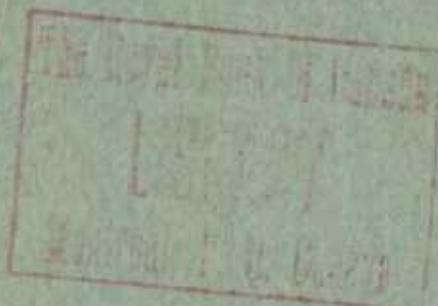
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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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.

THE STONE INDUSTRY IN CANADA. 1935.

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 \$17,458,405 in 1935 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 \$7,267,846 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 1935 numbered 3,541, and their combined earnings amounted to \$3,124,927.

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 widely distributed throughout Canada. The products from quarries operating in these formations not only yield high class structural and decorative materials but provide the chemical and other allied industries with many of their growing requirements.

Shipments of limestone, granite, sandstone, and marble from Canadian quarries during 1935 amounted to 4,316,818 short tons valued at \$5,303,234 as compared with an output of 4,077,016 short tons worth \$4,152,329 in 1934. Quarry production in both years comprised shipments of crude, dressed and various grades of crushed stone. The 1935 sales represent increases of 5.9 per cent in tonnage and 27.7 per cent in value over those of the preceding year and the value of the 1935 production was the greatest since 1931. The total tonnage of stone produced in 1935 included 3,631,665 tons of limestone, 342,824 tons of sandstone, 326,354 tons of granite and 15,975 tons of marble. In addition to this production, 1,129 tons of slate valued at \$4,329 were shipped; 818,443 tons of limestone consumed in the cement industry, and approximately 700,000 tons of limestone burned in the manufacture of lime.

Stone was produced commercially during 1935 in every province with the exception of Prince Edward Island and Saskatchewan; of the total tonnage of all stone produced, Ontario contributed 49.2 per cent; Quebec, 32.2 per cent; British Columbia, 8.3 per cent; and Nova Scotia, 4.9 per cent. The value of Quebec stone shipments totalled \$2,053,761 or 38.7 per cent of the total for the Dominion; those in Ontario amounted to \$1,863,892, or 35.1 per cent; while those of Nova Scotia ranked third with a valuation of \$621,832.

Shipments of building stone, other than ornamental or monumental, totalled 200,899 tons in 1935 or an increase of 281.5 per cent over those of 1934; stone sold for chemical purposes totalled 537,799 tons as compared with 489,580 tons in the preceding year and stone for railroad ballast increased from 345,802 tons in 1934 to 351,502 tons in 1935. There was a relatively small decrease during 1935 in the tonnage of stone sold for concrete aggregate and highway construction.

In the entire industry, salaries and wages totalling \$1,950,698 were paid to 2,475 employees in 1935 as compared with \$1,499,272 distributed to 2,087 in 1934. Of the 1935 totals \$968,879 were paid to 1,452 employees engaged; \$559,809 to 595 employees in Ontario, and \$130,612 to 138 employees in Nova Scotia.

The following excerpts are from reports No. 742 and No. 773, issued by the Mines Branch, Department of Mines, Ottawa: "Limestones are rocks of sedimentary origin consisting mainly of calcium carbonate (calcite) or of the double carbonate of calcium and magnesium (dolomite). Based on their content of these constituents, limestones may be divided into three classes: -

1. Calcium Limestones, or those in which calcium carbonate greatly predominates and which contain less than 10 per cent magnesium carbonate.
2. Dolomites, or those composed almost wholly of the mineral dolomite and which contain between 40 and 45.65 per cent magnesium carbonate.
3. Magnesium Limestones, or those intermediate in composition between the other two classes.

"The distinction between the classes is purely arbitrary. By pure limestone is meant one with less than 5 per cent total impurities—all limestone deposits contain some sandy or clayey material, and the deposits may grade almost imperceptibly into shale, sandstone, or other type of rock.

"The rock wool industry, which was established in Canada in 1934 following the publication, by the Mines Branch of the results of investigations which showed that large deposits of argillaceous dolomite in Ontario were suitable for the manufacture of this commodity is developing rapidly. Early in 1936 there were two rock wool plants in Ontario, and one in Quebec making slag wool.

"New uses are continually being developed for limestone, particularly for ground or pulverized material. Soft, pure limestone ground to a specified degree is being used for cleaning soft-metal moulds by a process similar to sand-blasting. Pulverized high-calcium limestone, occasionally with iodine added, is being rather extensively used as an ingredient of poultry and stock goods. The forcing of a thick slurry made of limestone screenings and water beneath sunken portions of pavement has proved a satisfactory method of raising the pavement to grade. Increasing quantities of ground dolomite are now being used for agricultural purposes.

"There are many deposits of beautifully coloured marbles in Canada, particularly in Ontario, Quebec and British Columbia; at present there is little call for red and blue marbles, but buff and black marbles are in vogue; marble quarries are operated in Quebec, Ontario, Manitoba and British Columbia.

"Stone quarried by the granite industry consists of granite and other related crystalline igneous rocks used for building, decorative, monumental or construction purposes. Producing properties are situated in a number of localities in the provinces of Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba and British Columbia. Canadian granites are suitable for all the purposes for which granite is used."

Canadian sandstone has been utilized extensively in the construction of many important public buildings in the Dominion; the rock occurs in Canada in a variety of colours and was produced during 1935 in Nova Scotia, New Brunswick, Quebec, Ontario and British Columbia.

An interesting development in the Canadian slate industry was the coming into production during 1936 of a new slate mill erected near Madoc, Ontario; it was reported that this plant will produce slate granules, slate flour, and structural slate, including roofing slates, from crude material obtained from a local deposit.

Table 1 - PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY(x) IN CANADA, 1933, 1934 and 1935.

	1933	1934	1935
Number of firms	288	354	372
Capital employed	\$ 15,758,198	12,983,836	12,277,518
Number of employees - On salary	199	217	229
On wages	1,686	1,870	2,246
Total	1,885	2,087	2,475
Salaries and wages - Salaries	\$ 311,569	317,085	340,271
Wages	\$ 939,207	1,182,187	1,610,427
Total	\$ 1,250,776	1,499,272	1,950,698
Cost of fuel and electricity	\$ 283,454	311,516	361,756
Process supplies used	\$ (a)	(a)	372,583
Selling value of products	\$ 3,000,326	4,157,131	5,307,563

(x) Includes statistics for slate.

(a) Information not available.

Table 2 - AVERAGE NUMBER OF WAGE-EARNERS, BY MONTHS, 1933, 1934 and 1935.

Month	1933	1934	1935	Month	1933	1934	1935
January	689	671	779	July	2,319	3,172	3,076
February	839	676	839	August ...	2,245	2,951	3,318
March	899	845	1,069	September..	2,374	2,703	3,287
April	1,157	1,169	1,580	October ..	2,558	2,586	3,175
May	1,823	2,065	2,440	November..	1,853	1,814	2,584
June	2,375	2,893	2,890	December..	1,249	1,115	1,643

Table 3 - CAPITAL EMPLOYED, AVERAGE NUMBER OF EMPLOYEES, AND SALARIES AND WAGES PAID, BY PROVINCES, 1934 and 1935.

Provinces	Year	Capital employed \$	Number of employees	Salaries and wages paid \$
Nova Scotia	1934	685,853	88	68,516
	1935	682,156	138	130,612
New Brunswick	1934	195,203	101	80,609
	1935	209,501	87	60,868
Quebec	1934	5,508,883	1,171	723,609
	1935	5,664,006	1,452	968,879
Ontario	1934	5,436,748	615	501,665
	1935	4,376,190	595	559,809
Manitoba	1934	547,241	34	52,677
	1935	542,625	87	113,776
Alberta	(b) 1934	...	...	...
	(b) 1935	...	...	...
British Columbia ..	1934	609,908	78	72,196
	1935	803,040	116	116,754
TOTAL - CANADA	1934	12,983,836	2,087	1,499,272
	1935	12,277,518	2,475	1,950,698

(b) Data included with figures on the "Lime" industry.

Table 4 - FUEL AND ELECTRICITY USED, 1934 and 1935.

Kind	Unit of measure	1934		1935	
		Quantity	Cost at works	Quantity	Cost at works
Anthracite coal	short ton	518	5,712	679	4,882
Bituminous coal - Canadian	short ton	1,364	10,476	4,799	39,229
Imported	short ton	5,143	36,052	3,290	23,108
Lignite coal	short ton	...	...	102	678
Coke	short ton	...	...	...	...
Gasoline	Imp. gal.	183,764	39,929	176,008	36,898
Kerosene	Imp. gal.	2,241	282	3,189	590
Fuel oil	Imp. gal.	100,506	9,287	67,622	6,949
Wood	cord	2,955	9,186	3,679	10,543
Other fuel	xxx	...	1,326	...	8,784
Electricity purchased	K. W. H.	15,840,918	201,266	17,180,620	230,095
TOTAL	xxx	...	311,516	...	361,756
Electricity generated for own use. K.W.H.		251,245	...	339,250	...

Table 5 - POWER INSTALLATION, 1934 and 1935.

	1 9 Number of units	3 4 Total rated horse power	1 9 Number of units	3 5 Total rated horse power
Steam engines and steam turbines	91	3,972	92	3,871
Diesel engines	15	906	25	1,285
Gasoline, gas and oil engines	101	3,367	111	4,113
Hydraulic turbines or water wheels	12	1,105	18	1,110
Electric motors run by purchased power.	785	24,189	825	24,298
Electric motors run by own power	22	746	25	870
TOTAL POWER EMPLOYED	909	34,285		35,547
Boilers installed	76	3,744	83	3,864

Table 6 - The following table gives the value of construction contracts awarded in Canada from 1925 to 1935, 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 wholesale prices of building materials (average 1926 = 100)	Index of wage-rates the build- ing trades (1913 = 100)
1925	297,973,000	7,464,777	102.9	170.4
1926	372,947,900	7,865,874	100.0	172.1
1927	418,951,600	9,265,304	96.1	179.3
1928	472,032,600	10,272,301	97.4	185.6
1929	576,651,800	12,066,532	99.0	197.5
1930	456,999,600	13,037,209	90.8	203.2
1931	315,482,000	11,075,184	81.9	195.7
1932	132,872,400	4,942,211	77.2	178.2
1933	97,282,800	3,000,326	78.3	158.0
1934	125,811,500	4,157,151	82.5	154.8
1935	160,305,000	5,307,563	81.2	159.8

(a) Compiled by McLean Building Reports Ltd.

(b) Includes slate.

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Table 7 - PRODUCTION(SALES) OF STONE FROM CANADIAN QUARRIES, BY KINDS AND BY PROVINCES,
1934 and 1935.

Province		Granite	Limestone (a)	Marble	Sandstone	TOTAL
<u>1934</u>						
Nova Scotia	tons	325	105,620	...	17,123	123,068
	\$	12,300	135,962	...	23,055	171,317
New Brunswick	tons	5,984	50,356	...	1,578	37,918
	\$	76,793	78,441	...	5,948	161,182
Quebec	tons	69,428	1,034,058	9,302	86,364	1,199,152
	\$	488,477	953,815	47,503	85,822	1,575,617
Ontario	tons	75,526	2,370,339	4,331	10,104	2,460,300
	\$	128,386	1,788,107	20,556	28,458	1,965,507
Manitoba	tons	215	42,914	...	...	43,127
	\$	2,702	50,843	...	...	53,545
Alberta	tons	...	2,737	...	...	2,737
	\$	...	8,104	...	...	8,104
British Columbia	tons	48,809	161,755	150	...	210,714
	\$	73,081	142,560	1,416	...	217,057
CANADA	tons	200,285	3,747,779	13,785	115,169	4,077,016
	\$	781,739	3,157,832	69,475	143,283	4,152,329
<u>1935</u>						
Nova Scotia	tons	525	8,988	...	202,952	212,465
	\$	23,800	19,188	...	578,844	621,832
New Brunswick	tons	31,091	53,213	...	840	85,144
	\$	103,275	86,001	...	19,447	208,723
Quebec	tons	131,096	1,143,983	10,518	104,920	1,390,517
	\$	800,685	1,087,320	43,455	122,301	2,053,761
Ontario	tons	44,473	2,061,206	4,726	12,536	2,122,941
	\$	95,465	1,680,810	35,210	54,407	1,863,892
Manitoba	tons	387	146,100	127	...	146,614
	\$	4,630	185,892	1,233	...	189,755
Alberta	tons	...	2,242	...	...	2,242
	\$	...	6,981	...	...	6,981
British Columbia	tons	118,782	215,933	604	21,576	356,895
	\$	100,432	189,381	5,471	63,006	358,290
CANADA	tons	326,354	3,631,665	15,975	342,824	4,316,818
	\$	1,126,287	3,253,573	85,369	838,005	5,303,234

NOTE - In addition to the above production there were produced 738 tons of slate valued at \$4,802 in 1934 and 1,129 tons at \$4,329 in 1935; also not included in the limestone statistics are 806,546 tons of limestone consumed in the cement industry in 1934 and 818,443 tons in 1935. Limestone used in the Canadian lime industry is also not included; it is estimated that approximately 700,000 tons of limestone were burned in the manufacture of lime in 1935.

(a) Includes dolomite.

Table 8
PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1934 and 1935.

For use as follows -		Granite	Limestone(a)	Marble	Sandstone	TOTAL
	1935					
Building stone - Rough tons		5,135	105,086	564	25,219	136,004
	\$	52,925	128,245	13,134	121,839	316,143
Dressed ... tons		10,315	52,192	165	2,223	64,895
	\$	403,951	425,247	16,000	97,400	942,598
Monumental and ornamental stone - Rough.... tons		5,313	81	489	...	5,863
	\$	48,859	215	14,628	...	63,702
Dressed ... tons		9,231	49	...	...	9,280
	\$	277,568	1,680	...	...	279,248
Flagstone	tons	...	407	...	573	980
	\$	...	357	...	3,117	3,474
Curbstone	tons	1,351	...	...	...	1,351
	\$	10,052	...	...	...	10,052
Paving blocks	tons	7,342	...	...	...	7,342
	\$	67,538	...	...	...	67,538
Lining open-hearth furnaces. tons		...	562	...	...	562
	\$	...	1,187	...	...	1,187
Chemical-						
Flux in iron and steel plants.tons		...	138,216	...	...	138,216
	\$	...	92,836	...	...	92,836
Flux in smelters	tons	...	131,413	...	...	131,413
	\$	...	94,022	...	...	94,022
Glass factories	tons	...	990	1,718	...	2,708
	\$	...	1,484	10,368	...	11,852
Pulp and paper mills	tons	...	158,314	2,556	...	160,870
	\$	...	163,767	2,017	...	165,784
Sugar refineries	tons	...	16,743	...	...	16,743
	\$	...	12,801	...	...	12,801
Other chemical uses	tons	...	87,849	...	...	87,849
	\$	...	106,414	...	...	106,414
Whiting	tons	...	...	190	...	190
	\$	...	...	1,295	...	1,295
Asphalt filler	tons	51	8,672	...	...	6,723
	\$	408	20,461	...	...	20,869
Dusting coal mines.....	tons	...	740	...	...	740
	\$	...	2,641	...	...	2,641
Agricultural purposes	tons	...	87,879	5	...	87,881
	\$	...	134,686	50	...	134,716
Rock wool	tons	...	1,173	...	...	1,173
	\$	...	873	...	...	873
Roofing	tons	3,623	...	52	...	3,675
	\$	28,984	...	416	...	29,400
Poultry grit	tons	7	1,096	1,232	...	2,335
	\$	105	4,054	4,545	...	8,704
Stucco dash (x)	tons	...	84	1,588	...	1,672
	\$	...	876	7,778	...	8,654
Terrazzo flooring	tons	...	...	1,182	280	1,462
	\$	...	...	6,509	194	6,703
Rubble and riprap	tons	139,648	166,142	4,982	3,712	314,484
	\$	89,235	100,887	4,825	3,590	198,537

Table 8 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES BY KINDS SHOWING PURPOSES FOR WHICH USED, 1934 and 1935. (continued)

For use as follows -		Granite	Limestone(a)	Marble	Sandstone	TOTAL
1935 - concluded						
Crushed stone -						
Concrete aggregate	tons	17,026	771,591	1,252	14,850	804,719
\$		10,138	502,735	5,824	7,150	523,847
Road metal	tons	115,712	1,590,420	...	272,231	1,976,363
\$		127,390	1,278,652	...	581,309	1,987,351
Railroad ballast	tons	13,600	313,966	...	23,736	351,302
\$		9,134	179,453	...	23,406	211,993
TOTAL CANADA (a)	tons	326,354	3,631,665	15,975	342,824	4,516,818
	\$	1,126,287	3,253,573	85,369	838,005	5,305,234

(x) Includes granules for roofing purposes. (a) Does not include limestone used in Canadian lime and cement industries, but includes marl used for agricultural purposes in the province of Quebec.

For use as follows -		Granite	Limestone	Marble	Sandstone	TOTAL
1934						
Building stone -						
Rough	tons	4,752	14,493	1,000	8,359	28,604
\$		16,228	50,682	4,000	23,575	94,485
Dressed	tons	10,105	13,036	...	920	24,061
\$		216,574	173,536	...	5,500	395,610
Monumental and ornamental stone -						
Rough	tons	4,325	47	287	...	4,659
\$		37,464	349	6,162	...	43,975
Dressed	tons	4,212	123	358	7	4,700
\$		244,286	3,488	24,342	275	272,391
Flagstone	tons	20	82	...	512	614
\$		16	67	...	3,725	3,808
Curbstone	tons	345	...	...	...	345
\$		1,645	...	...	...	1,645
Paving blocks	tons	5,160	...	...	...	5,160
\$		44,015	...	...	...	44,015
Lining open-hearth furnaces ...	tons	...	602	...	...	602
\$		...	1,129	...	...	1,129
Chemical -						
Flux in iron and steel plants .	tons	...	91,629	...	...	91,629
\$		...	64,399	...	...	64,399
Flux in smelters	tons	...	145,733	...	...	145,733
\$		...	112,616	...	...	112,616
Glass factories	tons	...	1,021	1,450	...	2,471
\$		...	1,531	9,419	...	10,950
Pulp and paper mills	tons	...	146,767	3,230	...	149,997
\$		...	141,989	2,373	...	144,362
Sugar refineries	tons	...	19,299	...	...	19,299
\$		...	17,275	...	...	17,275
Other chemical uses	tons	...	77,641	2,810	...	80,451
\$		...	95,760	2,067	...	97,827
Asphalt filler	tons	171	20,465	...	...	20,636
\$		1,368	42,581	...	...	43,949
Dusting coal mines	tons	...	658	...	...	658
\$		...	2,632	...	...	2,632
Agricultural purposes	tons	...	81,564	...	...	81,564
\$		...	142,126	...	...	142,126
Rock wool	tons	...	229	...	...	229
\$		...	321	...	...	321

Table 8 - PRODUCTION (SALES) OF STONE FROM CANADIAN QUARRIES, BY KINDS, SHOWING PURPOSES FOR WHICH USED, 1934 and 1935. (concluded)

For use as follows -		Granite	Limestone	Marble	Sandstone	TOTAL
1934 - concluded						
Roofing	tons	4,457	125	...	...	4,582
	\$	35,856	689	...	...	56,345
Poultry grit	tons	6	1,289	1,087	...	2,382
	\$	90	5,304	4,750	...	10,144
Stucco dash (b)	tons	...	148	2,849	...	2,995
	\$	...	943	13,415	...	14,358
Terrazzo flooring	tons	...	170	682	...	852
	\$	...	379	2,935	...	3,512
Rubble and riprap	tons	38,212	105,578	30	31,585	175,405
	\$	32,261	56,876	14	19,041	108,192
Crushed stone -						
Concrete aggregate	tons	22,680	789,856	...	8,563	821,099
	\$	23,278	574,271	...	10,691	608,240
Road metal	tons	105,840	1,897,307	...	59,340	2,062,487
	\$	128,858	1,466,943	...	73,126	1,668,927
Railroad ballast	tons	...	339,919	...	5,883	345,802
	\$	...	201,946	...	7,350	209,296
TOTAL CANADA (a)	tons	200,285	3,747,779	13,783	115,169	4,077,016
	\$	784,739	3,157,832	69,475	143,283	4,152,329

(a) Does not include limestone used in Canadian lime and cement industries, but includes marl used for agricultural purposes in Quebec.

(b) Includes marble used for artificial stone manufacture.

Table 9 - PRODUCTION OF GRANITE IN CANADA, 1926 - 1935.

Year	Short tons	\$	Year	Short tons	\$
1926	1,064,423	1,574,627	1931	1,190,887	3,763,050
1927	730,049	1,383,557	1932	490,822	1,110,582
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

Table 10 - PRODUCTION OF LIMESTONE IN CANADA, 1926 - 1935.

Year	Short tons	\$	Year	Short tons	\$
1926	5,283,745	5,657,328	1931	6,262,430	6,305,538
1927	6,438,379	7,145,917	1932	5,687,241	3,227,715
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

Table 11 - PRODUCTION OF SANDSTONE IN CANADA, 1926 - 1935.

Year	Short tons	\$	Year	Short tons	\$
1926	44,127	112,347	1931	924,101	1,332,883
1927	132,799	232,793	1932	500,480	349,458
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

Table 12--PRODUCTION OF MARBLE IN CANADA, 1926 - 1935.

Year	Short tons	\$	Year	Short tons	\$
1926	5,295	521,572	1931	20,442	668,713
1927	5,209	503,037	1932	12,379	250,706
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	85,569

Table 13 - PRODUCTION OF SLATE IN CANADA, 1926 - 1935.

Year	Short tons	\$	Year	Short tons	\$
1926	No production		1931	250	5,000
1927	No production		1932	250	3,750
1928	No production		1933	250	3,750
1929	No production		1934	738	4,802
1930	150	3,000	1935	1,129	4,329

Table 14 - PRODUCTION OF STONE FOR BUILDING PURPOSES, CHEMICAL USE, CEMENT MANUFACTURE, CONCRETE AGGREGATE, ROAD METAL AND RAILWAY BALLAST, 1930 - 1935.

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	2,038,981
\$...	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
\$...	3,717,993	314,088	2,565,204	2,557,515	485,447
1932 - tons ...	62,951	226,966	1,929,756	1,847,571	89,835
\$...	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
\$...	340,852	297,652	682,213	969,504	52,359
1934 - tons ...	52,665	489,580	821,099	2,062,487	345,802
\$...	490,095	447,429	608,240	1,668,927	209,296
1935 - tons ...	200,899	537,799	804,719	1,976,363	351,302
\$...	1,258,741	483,709	523,847	1,987,351	211,993

(a) Does not include monumental or ornamental stone.

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

THE THERMAL CONDUCTIVITY OF SUNDY MATERIALS

The Thermal Conductivity of many of the commoner insulating materials has become a matter of some economic importance ever since the public has appreciated the fact that by insulating the walls of houses, substantial savings in fuel consumption can be effected. The National Research Council is equipped with a hot-plate for measuring the heat transmission of small samples 18 inches square and a hot-box for measuring large samples 6 feet square in the form of walls. Some results obtained on their hot-plate apparatus are given in Table 15.

Table 15 - 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	4.5	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	1.46
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.

It is also interesting to note that the National Research Council, Ottawa, is equipped with an apparatus for testing the insulation afforded by diatomite brick up to a mean temperature of 1400° F.

Table 16 - IMPORTS INTO CANADA AND EXPORTS OF STONE. BY KINDS, 1934 and 1935.

IMPORTS		1934		1935	
		Tons	Value	Tons	Value
Curling stones and handles	pair	113	2,645	412	10,079
Building stone, other than marble or granite, sawn on more than two sides, but not sawn on more than four sides .....		...	...	8	138
Building stone, other than marble or granite, planed, turned, cut, or further manufactured than sawn on four sides		1	122	20	1,127
Flagstone, sandstone, and all building stone, not hammered, sawn or chiselled		3,155	16,879	4,749	20,193
Flagstone and building stone, other than marble or granite, sawn on not more than two sides ...		305	2,748	514	3,091
Granite, rough, not hammered or chiselled .....		...	65,925	...	65,185
Granite, sawn only .....		...	4,961	...	8,356
Granite, monuments .....		...	19,036	...	22,008
Granite, manufactures of, n.o.p. ....		...	8,212	...	3,607
Marble, rough, not hammered or chiselled .....		...	3,144	...	4,926
Marble, sawn or sand rubbed, not polished .....		...	11,322	...	9,685
Marble, not further manufactured than sawn for tombstones .....		...	15,078	...	15,246
Marble, manufactures of, n.o.p. ....		...	8,440	...	9,640
Paving blocks of stone .....		...	...	...	...
Refuse stone, not sawn, hammered or chiselled ..	square	364,088	200,398	382,186	202,416
Slate roofing	square	1,537	12,476	1,424	11,197
Slate pencils .....		...	465	...	2,517
Slates, writing .....		...	18,354	...	16,379
Slate mantels and manufactures of slate, n.o.p..		...	9,671	...	6,295
Chalk, china, Cornwall or cliff stone and mica schist	...	21,371	...	20,229	

Table 16 - IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1934 and 1935. (concluded)

	1934	1935		
	Tons	Value	Tons	Value
IMPORTS -				
Mineral wool	1,494	69,287	987	57,877
Whiting, gilders' whiting and Paris white	12,034	119,645	12,332	118,451
Manufactures of stone, n.c.p. ....	...	22,136	...	19,416
Lithographic stones not engraved .....	...	211	...	391
Chalk prepared .....	...	8,257	...	8,393
Pumice and pumice stone, lava and calcareous tufa, not further manufactured than ground ...	...	25,142	...	30,971
Grindstones, not mounted, and not less than 36 inches in diameter	No. 1,024	140,327	1,089	140,208
TOTAL .....	...	806,230	...	808,004
EXPORTS -				
Crushed stone	52,275	94,794	54,869	98,244
Granite and marble, unwrought	1,153	9,786	1,255	10,301
Freestone, limestone, and other building stone, unwrought .....	...	...	47	453
Dressed stone of all kinds .....	...	409	...	1,917
Grindstones, manufactured .....	...	4,947	...	74
TOTAL .....	...	109,916	...	110,969

DIRECTORY, 1935.

STONE QUARRYING INDUSTRY.

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

<u>Name</u>	<u>Head Office Address</u>
<u>GRANITE</u>	
NOVA SCOTIA -	
Bower, A. R.	Box 255, Shelburne
(x) Dauphinee, W. T.	Shelburne
(x) Rice Bros.	Lawrencetown
(x) Rice, W. D.	Middleton
NEW BRUNSWICK -	
(x) Granite Street Pavement & Construction Co. Ltd.	Hampstead
Holt and Spinney	St. George
(x) Milne, Coutts & Co. Ltd.	St. George
(x) Mooney, B., & Son Realty Ltd.	49 Canterbury St., Saint John
New Brunswick Department of Highways	Fredericton
(x) O'Brien & Baldwin	St. George
QUEBEC -	
Alcoa Power Co. Ltd.	P. O. Box 620, Kenogami
B. & R. Granite Quarry	Beebe
(x) Bernier and Sons	Box 491, Roberval
Berube, Lucien	Brownsville
Bourbonnais, J. A.	Vaudreuil Station
(x) Brodie's Ltd.	1070 Bleury St., Montreal

DIRECTORY, 1935. (continued)

STONE QUARRYING INDUSTRY

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

GRANITE - continued

Head Office Address

Name	Address
QUEBEC - concluded	
Brunet, Joseph	4411 Chemin Côte-des-Neiges, Montreal
(x) Brussiere, A. L.	St. Sébastien
Chicoutimi, City of	Chicoutimi
(x) Clausen, Julius	Brownsville
(x) Cloutier, R. L.	Beebe
(x) Delwaide, Anselme	Chicoutimi
Desbiens, J. Haoul	St. Hébertville Station
Desrosiers, Albert	Beebe
Dontigny, Alphonse	Shawinigan Falls
(x) Dumas, Arthur, & Co. Enrg.	Rivière à Pierre
(x) Gingras & Frère Ltée.	St. Marc des Carrières
Gosselin, Oscar	Lac Megantic
(x) Granit Noir Canadien Enrg.	St. Joseph d'Alma
Grenier, E.	Glenada
Guenette Granite Co. Ltd.	Guenette
(x) Haselton, Wm. M.	Box 68, Beebe
Jonquiere, Ville de	Jonquiere
Lacasse and Boulais	Box 23, Beebe
La Cie Routiere Lac St. Jean Chicoutimi	Box 448, Roberval
(x) Le Granit National Ltd.	Box 276, Roberval
Lemay Contracteur Ltd.	Landrienne
Levesque, Armand	Roberval
McIntosh, Robert	Beebe
(x) Nett, Olson, Hokanson & Henrikson	Beebe
Perron, J. S.	Riviere a Pierre
Quebec Department of Highways	Quebec
Roy, Alfred	Amos
(x) Scotstown Granite Co. Ltd.	Scotstown
Shawinigan Falls, City of	Shawinigan Falls
(x) Silver Granite Co. Ltd.	180 Côte d'Abraham, Quebec
St. Bruno Quarry & Paving Co. Ltd.	636 Querbes Ave., Outremont
(x) Stanstead Granite Quarries Co. Ltd.	Beebe
(x) Voyer, F., et Frère	Riviere a Pierre
Villeneuve, G.	Pointe-au-Pic
Ward, J.	359 Place Youville, Montreal
(x) Wilkinson, Frank L.	Beebe

ONTARIO

(x) Building Products Ltd.
Fort William, City of
(x) Horne, Wm.
Ontario Rock Co. Ltd.

Box 2529, Montreal, P. Q.
Fort William
Butler, via Ignace
320 Bay St., Toronto

MANITOBA

(x) Winnipeg Marble Co. Ltd.

1180 Wall St., Winnipeg.

DIRECTORY, 1935, (continued)

STONE QUARRYING INDUSTRY

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

Name

Head Office Address

GRANITE - concluded

BRITISH COLUMBIA -

(x) B. C. Monumental Works Ltd.	27 Kingsway, Vancouver
Canadian Marble and Granite Works Ltd.	101st St., Edmonton, Alta.
Canadian National Railways	C. N. R. Station, Vancouver
Canadian Pacific Railway Co.	Montreal, Que.
Coast Quarries Ltd.	1840 Georgia St. W., Vancouver
Gilley Bros. Ltd.	902 Columbia St. W., New Westminster
Nelson, City of	Nelson
(x) Nelson Granite and Monumental Co.	Box 865, Nelson
Prince Rupert, City of	Prince Rupert
(x) Vancouver Granite Co. Ltd.	1007 Royal Bank Bldg., Vancouver
(x) Vernon Granite & Marble Co.	Okanagan Landing
(x) Wilson, James S.	Sirdar

LIMESTONE

NOVA SCOTIA -

Eastern Lime Co. Ltd.	Windsor
MacLean & Co.	Oxford
Mersey Paper Co. Ltd.	Liverpool
Nova Scotia Dept. of Agriculture	Halifax

NEW BRUNSWICK -

Brookville Manufacturing Co. Ltd.	Brookville
N. B. Department of Highways	Fredericton
Randolph & Baker Ltd.	Randolph
Snowflake Lime Ltd.	3 Pokiok Road, Saint John

QUEBEC -

Archibald Quarry	28½ St. Joseph St., Quebec
Baillargeon & Faubert	62 Union Bldg., St. Lambert
(x) Beaudry, J. Pitre	41 Tache St., Joliette
Boily, Albert	Baie St. Paul
Boivin, Ladislas	Baie St. Paul
Canada Cement Co. Ltd.	Box 290, Station B, Montreal
Canadian Quarries Ltd.	4740 Iberville St., Montreal
Carrière du Cap St. Martin Enrg.	658 Querbes St., Outremont
Cercle Agricole de St. Godfroy	St. Godfroy
Chenel, Rev. J. E.	Port Daniel
Cote & Gendreau	St. Pierre, Ile d'Orleans
Delisle, E.	Pont Rouge
(x) Deschambault Quarry Corp.	52 St. Pierre St., Quebec
Dominion Lime Co.	Lime Ridge
Drouin, Eva Cimon	Ste. Justine
Dufresne Construction Co. Ltd.	1832 Blvd. Pie IX, Montreal
Durocher, Cyrille	11021 Notre Dame E., Montreal
Faubert, Alphonse	De Léry
Fontaine, Omar	St. Maurice

DIRECTORY, 1935 (continued)

STONE QUARRYING INDUSTRY

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

Name	Head Office Address
QUEBEC - concluded	
Francoeur, J. Baptiste	Kelly
Fuger & Smith Ltd.	Pointe Claire
Gagne, Octave	St. Ulric
(x) Gauthier, Olivier	St. Marc des Carrières
(x) Gauthier, Rene	Village Bélanger
(x) Gingras et Frère Ltée.	St. Marc des Carrières
Gravel, Edouard Lazare	Chateau Richer
Kennedy Construction Co. Ltd.	407 McGill St., Montreal
Laberge & Marchand	Box 63, Chateauguay Bassin
Lacouline, T.	Chateau Richer
Legace, Napoleon	St. Martin
(x) Lapointe, A. & E.	12034 Lachapelle St., Montreal
Lapointe, Emile	St. Dominique Bagot
Laurentian Stone Co. Ltd.	195 Nicholas St., Ottawa, Ont.
Laurendeau & Cie Ltée.	16 St. James St. W., Montreal
Leclerc, J. J.	Rimouski
Leclerc & Robitaille	Roberval
(x) Lecrenier, Victor	6858 St. Denis St., Montreal
Leger and Charlton Ltd.	400 Notre Dame St., Lachine
Levesque, Armand	Roberval
Marcil Quarry Ltd.	St. Michel Station
(x) Martineau & Sons Ltd.	517 E. Marie-Anne St., Montreal
Matthew Devito Construction Ltd.	6138 Hamilton St., Montreal
Mercure, C.	St. Hyacinthe
Miner, R. H., Co. Ltd.	7411 Delanaudiere St., Montreal
National Quarries Ltd.	6301 Park Ave., Montreal
Naud, Oscar	Lachevrotière
(x) Noel, Oscar	44 Wright St., Hull
(x) Page, Joseph	Charlesbourg
(x) Paquette, Levis & Co.	Cap St. Martin
Quebec Department of Highways	Quebec
Rousseau, T. E.	48 Second Ave., Quebec
(x) Schetagne, Wilfrid	302 Bord du Lac, Pointe Claire
Shawinigan Chemicals Ltd.	Box 2670, Craig St. Station, Montreal
St. Barthélémi Quarry	St. Barthélémi Village
St. Joachim, Municipality of	St. Joachim
St. Maurice Quarry Ltd.	307 Alexandre St., Three Rivers
St. Onge, O. F.	St. Dominique de Bagot
(x) St. Vincent de Paul Penitentiary	St. Vincent de Paul
Société de Cooperative Agricole	St. Jules de Maria
Standard Lime Co. Ltd.	Joliette
Standard Clay Products Ltd.	St. Johns
Trappist Fathers	Village des Pères
Tremblay, Napoleon	31 Joffre Ave., Hull
Trudel, Napoleon & Fils	St. Irenée
/alleyfield, City of	Valleyfield
(x) Verreault, E., Ltd.	194 Bridge St., Quebec
Vincelette, Paul	St. Honore
Wright Crushed Stone Co. Ltd.	Hull
(x) Wallace Sandstone Quarries Ltd.	1135 Beaver Hall Hill, Montreal

DIRECTORY, 1935 (continued)

STONE QUARRYING INDUSTRY

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

<u>Name</u>	<u>Head Office Address</u>
<u>LIMESTONE (continued)</u>	
ONTARIO -	
Billie, Chas.	Box 1185, Smiths Falls
Bourgie, J. B.	Box 50, Embrun
Brunner, Mond Canada, Ltd.	Canadian Bank of Commerce Bldg., Toronto
Canada Cement Company Ltd.	Box 290, Station B., Montreal, P. Q.
Canada Crushed Stone Corp. Ltd.	Sun Life Bldg., Hamilton
Canadian Gypsum Co.	1221 Bay St., Toronto
Coldwater Crushed Stone Ltd.	Coldwater
Decewsville Crushed Stone Co. Ltd.	52 Elgin St., Hamilton
Department of National Defence	Barriefield
Dibblee Construction Co. Ltd.	246 Albert St., Ottawa
Fergus Quarry	Fergus
Foster, R. R.	86 Spadina Ave., Ottawa
Grenon, Joseph	Casselman
Gypsum, Lime and Alabastine, Canada, Ltd.	Paris
Hagersville Quarries Ltd.	Hagersville
Haldimand Quarries & Construction Ltd.	Hagersville
Inverkip Quarries Ltd.	Fleet and Bathurst Sts., Toronto
Jamieson Lime Co.	Renfrew
(x) Kingston Penitentiary	Kingston
Kirby, T. Sidney, Co. Ltd.	215 Sussex St., Ottawa
Kirkfield Crushed Stone Ltd.	Fleet and Bathurst Sts., Toronto
Lally, Mary F.	Box 39, Smithville
Lapierre, M. C.	9 Ave. E., Owen Sound
Law Construction Co.	225 Sterling Road, Toronto
Limestone Products Ltd.	1104 Hermant Bldg., Toronto 2
McGinnis & O'Connor	412 King St., Kingston
Noranda Mines Ltd.	804 Royal Bank Bldg., Toronto
North American Cyanamid Co. Ltd.	1901 Royal Bank Bldg., Toronto
Pembroke, Town of	Pembroke
Pirson, John	Stevensville
Puslinch Quarry Ltd.	Sun Life Bldg., Hamilton
(x) Queenston Quarries Ltd.	Sun Life Bldg., Hamilton
Routly Construction Co.	21 Dundas Square, Toronto
Walker Bros. Ltd.	Box 586, Thorold
Wehman, John	23 Plum St., Kingston
Welland Ship Canal	St. Catharines
Wilford, F. R., & Co. Ltd.	Lindsay
Windmill Point Crushed Stone Co. Ltd.	225 Sterling Road, Toronto

Note - In addition to the above, counties, townships and the Department of Highways reported production.

DIRECTORY, 1935. (continued)

STONE QUARRYING INDUSTRY

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

<u>Name</u>	<u>Head Office Address</u>
<u>LIMESTONE -concluded</u>	
<u>MANITOBA</u>	
(x) Gillis Quarries Ltd.	Richard and Spruce Sts., Winnipeg.
(x) Tyndall Quarry Co. Ltd.	1591 Erin St., Winnipeg
(x) Western Stone Co. Ltd.	401 Royal Bank Bldg., Winnipeg
Winnipeg, City of	Winnipeg
Winnipeg Supply & Fuel Co. Ltd.	812 Boyd Bldg., Winnipeg
<u>ALBERTA</u>	
Loder's Lime Co. Ltd.	Kananaskis
Summit Lime Works	Box 273, Lethbridge
<u>BRITISH COLUMBIA</u>	
B. C. Department of Highways	Victoria
Beale, F. J., Lime Stone Quarry	Van Anda
British Columbia Pulp & Paper Co. Ltd.	Bank of Nova Scotia Bldg., Vancouver
Canadian Pacific Ry. Co.	Montreal
Christensen and Clozza	Namu
Deeks Sand & Gravel Co. Ltd.	101 First Ave. W., Vancouver
Pacific Lime Co. Ltd.	744 West Hastings St., Vancouver
Priore & Vannuchi	Box 315, Trail
Roadstone Quarries Ltd.	1 A, 410 Seymour St., Vancouver
Trail, City of	Trail
Western Canada Lime Co. Ltd.	Chilliwack
<u>QUEBEC</u>	
Andorno, Jean Emmanuel	Cap St. Martin
Canada Marble and Lime Co.	4095 St. Catherine St., Westmount
(x) Wallace Sandstone Quarries Ltd.	1135 Beaver Hall Hill, Montreal
White Grit Co.	Hurdman Road, Ottawa, Ont.
<u>ONTARIO</u>	
Bolender Bros.	Haliburton
Bonter Marble & Calcium Co. Ltd.	Box 61, Marmora
Ontario Chemical Minerals	17 Garnock Ave., Toronto
Orser, S.	Verona
Rock Construction Co.	328 Dupont St., Toronto
Silvertone Black Marble Quarries	305 O'Connor St., Ottawa
<u>MANITOBA</u>	
Winnitoba Marble Co. Ltd.	1180 Wall St., Winnipeg
<u>BRITISH COLUMBIA</u>	
Canadian Marble & Granite Works Ltd.	10702 - 101st St., Edmonton, Alta.
B. C. Fine Stone Co.	507 Ellice St., Victoria

1935. (concluded)

STONE QUARRYING INDUSTRY

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

<u>Name</u>	<u>Head Office Address</u>
<u>SANDSTONE</u>	
<u>NOVA SCOTIA</u> -	
Fairview Crushed Stone Co. Ltd.	609 Gottingen St., Halifax
N. S. Department of Highways	Halifax
Wallace Sandstone Quarries Ltd.	1135 Beaver Hall Hill, Montreal, P.Q.
<u>NEW BRUNSWICK</u> -	
(x) Read Stone Co. Ltd.	Box 549, Sackville
(x) Smith, E. A.	Shediac
(x) National Trust Co. Ltd. (a)	225 St. James St., Montreal
(a) Receiver for Miramichi Quarry Co. Ltd.	
<u>QUEBEC</u> -	
Beauharnois Light, Heat & Power Co.	405 Power Bldg., Montreal
Blais, Jos., Reg.	10 Mont Marie Ave., Levis
Citadel Brick Ltd.	14 St. Joseph St., Quebec
Lemieux, Ludger	126 Rue St. Pierre, Quebec
Montpetit, Euclide	Melocheville
Quebec Department of Highways	Quebec
Rousseau, T. E.	48 Second Ave., Quebec
Sherbrooke, City of	Sherbrooke
Vezina, Jos., Reg.	Ste. Foye, Quebec
<u>ONTARIO</u> -	
Campbell Sandstone Quarries Ltd.	143-163 Main St., Westboro
Corner, Austin	Terra Cotta
Mountain Sandstone Quarry	Box 400, Georgetown
McAlpine Bros.	Milton
Norrie & McHarg	R. R. 4, Acton
Norton, A. W., Stone Quarries	Limehouse
Sykes, Thos.	Georgetown
Terra Cotta Quarries	Glen Williams
<u>BRITISH COLUMBIA</u> -	
Consolidated Mining & Smelting Co. of Canada Ltd. Trail	
(x) McDonald, J. A., & C. H., Ltd.	1571 Main St., Vancouver
<u>SLATE</u>	
<u>QUEBEC</u> -	
Broughton Soapstone & Quarry Co. Ltd.	Broughton Station
<u>ONTARIO</u> -	
(x) Canadian Slate Products Ltd.	11 King St. W., Toronto
<u>BRITISH COLUMBIA</u> -	
Kennedy, J. J.	Sooke Lake

2. SECONDARY PRODUCTION - THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1935.

In 1935 there were 222 stone dressing works which were not operated in conjunction with the producers' own quarries. These works were occupied chiefly in cutting and polishing rough stone purchased from Canadian quarries or imported from foreign countries to produce finished monuments or dressed stone for building purposes. Gross production from these establishments was valued at \$3,079,118 in 1935 compared with \$2,407,474 in 1934. Output from the 116 plants in Ontario totalled \$1,794,919 or 58 per cent of the total for Canada, and production from the 49 works in Quebec amounted to \$672,970 or 22 per cent of the Dominion total.

The average number of employees in this industry in 1935 was 1,066 compared with 881 in 1934 and payments in salaries and wages advanced to \$1,174,229 from \$886,809.

The cost of rough stone and other materials used in manufacturing was \$1,010,999 in 1935 as against \$834,323 in 1934.

Output value of building stone was more than double the 1934 figure but was still much below the levels of pre-depression years. In 1935 the total value of dressed building stone including that produced in both the primary and secondary industries was \$2,094,843 compared with \$849,748 in 1934, \$666,973 in 1933, \$1,949,199 in 1932 and \$6,819,615 in 1931.

The total value of dressed stone for monumental and ornamental purposes was \$1,732,601 in 1935, \$1,738,362 in 1934, \$1,560,521 in 1933, \$1,586,861 in 1932 and \$2,143,030 in 1931.

Table 17 - PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY,
1925 - 1935.

Years	No. of plants	Capital employed	Average number of employees	Cost of			Selling value of products at works
				Average Salaries and wages	fuel and electricity at works	Cost of materials 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

Table 18 - PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY,
BY PROVINCES, 1934 and 1935.

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works
1934		\$		\$	\$	\$	\$
Prince Edward Island	3	45,695	4	3,875	287	10,650	23,987
Nova Scotia	9	100,565	30	32,396	3,307	40,988	107,405
New Brunswick	6	55,875	20	18,621	1,616	8,954	46,255
Quebec	50	1,161,729	235	206,135	30,859	207,352	552,298
Ontario	111	3,006,260	443	485,629	43,916	466,906	1,329,398
Manitoba	14	251,735	55	47,705	3,451	41,643	111,987
Saskatchewan	9	164,496	32	28,026	2,670	21,559	72,214
Alberta	5	266,040	28	31,659	2,205	17,506	95,318
British Columbia ..	11	144,511	34	32,765	2,583	19,165	69,511
CANADA	218	5,194,702	881	886,809	90,874	834,325	2,407,474
1935		\$		\$	\$	\$	\$
Prince Edward Island	3	45,254	5	6,000	189	11,233	30,622
Nova Scotia	8	72,205	24	24,205	1,711	39,112	95,294
New Brunswick	6	49,144	20	17,868	1,771	8,727	41,543
Quebec	49	1,023,577	272	276,253	32,662	227,187	672,970
Ontario	116	3,141,302	557	664,003	57,114	603,691	1,794,919
Manitoba	13	281,318	75	66,177	5,543	56,441	153,843
Saskatchewan	9	155,886	35	35,410	3,256	26,361	98,114
Alberta	5	257,512	34	37,465	2,292	18,802	103,168
British Columbia ..	13	154,689	46	46,848	3,298	19,445	88,645
CANADA	222	5,180,887	1,066	1,174,229	107,836	1,010,999	3,079,118

Table 19 - CAPITAL EMPLOYED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1934 and 1935.

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, TOTAL prepaid expenses, CAPITAL etc.)	\$
1934	\$	\$	\$	\$
Prince Edward Island ..	14,500	19,200	9,993	43,693
Nova Scotia	44,800	28,391	27,174	100,365
New Brunswick	25,700	20,289	9,886	55,875
Quebec	653,975	342,970	184,784	1,161,729
Ontario	1,851,990	624,942	529,328	3,006,260
Manitoba	58,553	115,076	78,104	251,735
Saskatchewan	71,732	45,071	47,693	164,496
Alberta	140,754	40,112	85,174	266,040
British Columbia	70,020	38,552	35,939	144,511
CANADA	2,912,024	1,274,603	1,008,075	5,194,702
1935	\$	\$	\$	\$
Prince Edward Island ..	24,300	7,700	13,254	45,254
Nova Scotia	44,265	11,084	16,856	72,205
New Brunswick	25,800	15,795	7,551	49,144
Quebec	659,834	272,992	90,751	1,023,577
Ontario	1,991,288	572,659	577,355	3,141,302
Manitoba	56,420	119,258	105,660	281,318
Saskatchewan	68,019	36,785	51,082	155,886
Alberta	142,122	37,863	77,527	257,512
British Columbia	89,497	34,920	30,272	154,689
CANADA	3,101,545	1,109,034	970,308	5,180,887

Table 20 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1935.

	Number of plants	Capital employed	Number of employees	Selling value of products at works
(a) PRODUCTION				
Under \$5,000	88	539,414	132	264,044
\$5,000 to \$10,000	54	602,174	126	381,985
\$10,001 to \$25,000	59	1,278,774	312	931,615
\$25,001 to \$50,000	10	686,456	128	324,287
\$50,001 to \$100,000	7	750,506	180	492,396
Over \$100,000	4	1,323,563	188	684,793
TOTAL	222	5,180,887	1,066	3,079,118
(b) NUMBER OF EMPLOYEES				
1 or 2	119	774,233	175	578,842
3 to 10	81	1,578,744	373	1,007,015
11 to 20	13	995,227	186	455,797
Over 20	9	1,854,685	554	1,057,464
TOTAL	222	5,180,887	1,066	3,079,118
(c) CAPITAL EMPLOYED				
Under \$25,000	180	1,494,773	464	1,506,946
\$25,000 to \$100,000	51	1,399,123	284	747,789
Over \$100,000	11	2,286,991	318	1,024,583
TOTAL	222	5,180,887	1,066	3,079,118

Table 21 - EMPLOYEES, SALARIES AND WAGES OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1934 and 1935.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES AND WAGES			
	On salaries		On wages								
	Male	Female	Male	Female	TOTAL						
1934											
Prince Edward Island	2	...	2	...	4	2,468	1,405	5,875			
Nova Scotia ...	7	...	23	...	30	10,770	21,626	32,396			
New Brunswick ..	6	2	12	...	20	7,510	11,511	18,621			
Quebec	57	3	175	...	235	81,758	124,377	206,155			
Ontario	141	14	286	2	443	216,771	268,858	485,629			
Manitoba	17	4	33	1	55	21,412	26,293	47,705			
Saskatchewan ..	15	2	14	1	32	16,409	11,617	28,026			
Alberta	6	4	18	...	28	13,425	18,234	31,659			
British Columbia	14	2	18	...	34	15,096	17,669	32,765			
CANADA	265	51	581	4	881	385,419	501,390	886,809			
1935											
Prince Edward Island	2	...	3	...	5	3,000	3,000	6,000			
Nova Scotia ...	8	1	15	...	24	12,198	12,007	24,205			
New Brunswick ..	6	2	12	...	20	8,219	9,649	17,868			
Quebec	73	4	195	...	272	96,144	180,109	276,253			
Ontario	150	19	386	2	557	234,146	429,857	664,003			
Manitoba	17	4	52	...	73	20,983	45,194	66,177			
Saskatchewan ..	12	1	21	1	35	16,741	18,669	35,410			
Alberta	6	4	24	...	34	13,032	24,433	37,465			
British Columbia	18	1	27	...	46	20,265	26,585	46,848			
CANADA	292	56	735	3	1,066	424,728	749,501	1,174,229			

Table 22 - WAGE-EARNERS, BY MONTHS, 1934 and 1935 (On the 15th or nearest representative date)

Months	1934			1935		
	Male	Female	TOTAL	Male	Female	TOTAL
January	264	5	267	272	2	274
February	311	3	314	331	2	333
March	366	3	369	448	2	450
April	512	3	515	667	2	669
May	632	5	637	861	3	864
June	734	5	739	927	3	930
July	724	4	728	962	3	965
August	692	4	696	980	3	983
September	685	3	688	958	3	941
October	671	2	673	848	2	850
November	626	2	628	760	2	762
December	488	2	490	559	2	561
AVERAGE	581	4	585	755	3	1,066

Table 23 - FUEL AND ELECTRICITY USED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1934 and 1935.

Kinds	Unit of measure	1	9	3	4	1	9	3	5
		Quantity	Cost at works	\$	Quantity	Cost at works	\$		
Bituminous coal - Canadian...	short ton	230	1,706		265		1,956		
Imported...	short ton	197	1,789		122		1,036		
Anthracite coal	short ton	123	1,501		145		2,428		
Lignite coal	short ton	24	157		52		228		
Coke	short ton	133	1,371		246		2,282		
Gasoline	Imp. gal.	6,774	1,800		2,451		646		
Kerosene or coal oil	Imp. gal.	87	16		1,596		197		
Fuel oil	Imp. gal.	36,308	2,531		34,251		2,214		
Wood	cord	299	1,517		321		1,692		
Gas - Manufactured	M cu. ft.	143	133		152		162		
Natural	M cu. ft.	1,382	718		1,313		859		
Other fuel	XXX	...	143		...		7		
Electricity purchased	k. w. h.	3,319,756	77,492		4,362,277		94,129		
TOTAL	XXX	...	90,874		...		107,836		

Table 24 - POWER EQUIPMENT IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1934 and 1935.

Kinds	Number of units	1	9	3	4	1	9	3	5
		Total rated horse power	Number of units	Total rated horse power					
Diesel engines	1	16	2	16					
Gasoline, gas and oil engines (other than diesel engines)	9	185	8	145					
Total Primary Equipment.....	10	201	10	201					
Electric motors run by purchased power	591	8,033	650	9,515					
TOTAL	601	8,234	660	9,716					
Total Electric Motors	591	8,033	650	9,515					
Boilers	3	50	6	225					

Table 25 - COST OF STONE USED IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1934 and 1935.

	Cost at works									
	1	9	3	4		1	9	3	5	
	\$		\$		\$		\$		\$	
Cost of all stone used	744,597					854,832				
All other materials	89,726					156,167				
TOTAL	834,323					1,010,999				

Table 26 - PRODUCTS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1934 and 1935.

Products	TOTAL SELLING VALUE AT WORKS				
	1	9	3	4	
	\$		\$		\$
Granite, cut and polished -					
(a) Monuments	1,271,009				1,268,414
(b) For building purposes	55,957				184,035
Marble, cut and polished -					
(a) Monuments	168,201				158,249
(b) For building purposes	137,902				130,227
Marble chips and dust	2,450				11,870
Limestone -					
(a) Monuments and bases	27,036				26,690
(b) For building purposes	280,279				837,985
Finished monuments, lettered only	420,722				389,556
Other products	14,451				24,887
Repairs and custom work (re-lettering, etc.).	49,467				47,207
TOTAL	2,407,474				3,079,118

Table 27 - PRODUCTION FROM THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, BY PROVINCES, 1934 and 1935.

	GRANITE		MARBLE		LIMESTONE		Finished:					
	For Monu- ments purposes		For Monu- ments purposes		Marble chips and dust		Monu- ments and bases		For build- ings, lettered purposes		Monu- ments, lettered only	
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Prince Edward Island -												
1934	9,410	...	9,805	...	...	...	...	...	4,580	212	23,987
1935	8,300	...	12,511	...	...	...	2,000	...	7,811	...	30,622
Nova Scotia -												
1934	64,102	...	13,741	...	...	...	1,679	...	25,330	2,554	107,406
1935	58,059	...	10,589	200	...	...	2,450	...	22,212	1,824	95,294
New Brunswick -												
1934	40,656	...	2,679	...	...	...	515	...	2,428	177	46,255
1935	33,665	1,710	1,725	...	...	...	1,785	...	2,225	435	41,545
Quebec -												
1934	327,867	17,865	21,652	35,812	672	1,110	106,119	25,243	15,955	552,298		
1935	270,484	73,659	22,181	41,721	647	2,130	215,450	31,294	15,424	672,970		
Ontario -												
1934	663,325	5,672	61,470	80,752	...	15,027	164,984	303,070	37,118	1,329,398		
1935	707,889	60,395	64,565	64,882	2,775	9,805	586,538	271,187	47,083	1,794,919		
Manitoba -												
1934	54,353	150	12,027	7,226	50	3,569	5,194	26,700	2,018	111,287		
1935	56,793	20,093	6,661	15,539	900	2,139	27,382	25,801	735	153,845		
Saskatchewan -												
1934	25,945	810	21,671	...	1,688	4,811	4,002	10,129	3,160	72,214		
1935	40,200	5,045	18,206	2,450	500	5,751	13,615	9,597	2,752	98,114		
Alberta -												
1934	48,091	11,000	17,612	5,850	40	2,525	...	9,360	1,040	95,318		
1935	48,048	6,000	15,156	4,000	7,013	850	15,000	5,495	1,626	103,168		
British Columbia -												
1934	37,262	460	7,544	8,462	...	...	...	15,902	1,681	69,311	
1935	45,016	17,133	6,675	3,485	55	...	...	14,134	2,217	88,645	
CANADA -												
1934	1,271,009	35,957	168,201	137,902	2,450	27,036	280,279	420,722	65,918	2,407,474		
1935	1,268,414	184,053	158,249	130,227	11,870	26,690	837,985	389,556	72,094	3,079,118		

Table 28 - TOTAL PRODUCTION IN CANADA OF DRESSED BUILDING STONE, 1925 - 1935.

Years	GRANITE		MARBLE		LIMESTONE		Sand-stone		TOTAL
	From quarries	From dressing works	From quarries	From dressing works	From quarries	From dressing works	from quarries		
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1925	236,651	73,876	223,840	573,602	378,194	1,909,212	18,114	5,412,989	
1926	190,711	74,792	4,500	644,945	662,211	1,969,755	15,036	5,559,950	
1927	267,194	83,877	...	673,126	716,929	1,713,445	8,784	3,463,355	
1928	667,050	314,553	340,585	883,076	702,081	2,861,336	18,000	5,786,681	
1929	748,537	465,185	347,256	1,621,112	944,491	2,739,504	92,500	6,956,585	
1930	1,189,120	902,519	687,115	1,539,108	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	75,445	111,235	281,074	19,300	666,975	
1934	216,574	55,957	...	157,902	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	

Table 29 - TOTAL PRODUCTION IN CANADA OF DRESSED MONUMENTAL AND ORNAMENTAL STONE,
1925 - 1935.

Years	GRANITE		MARBLE		LIMESTONE		TOTAL
	From quarries	From dressing works	From quarries	From dressing works	From quarries	From dressing works	
	\$	\$	\$	\$	\$	\$	\$
1925	188,513	1,387,658	...	292,621	754	154,488	2,024,034
1926	196,820	1,619,206	466,648	576,859	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	2,257	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	45,584	2,143,030
1932	196,071	1,164,285	...	180,323	2,532	45,652	1,586,861
1933	215,616	1,111,354	...	200,515	2,868	50,370	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

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1935.

NOTE - These dressing works are operated separately from the quarries

Names of Companies

PRINCE EDWARD ISLAND

Beck, Vere & Son

Chandler & Bell

Summerside Monumental Works

Location of Plants

Main St., Montague

Malpeque Road, Charlottetown

78 Ottawa St., Summerside

DIRECTORY OF FIRMS IN THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1955. (continued)

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

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>NOVA SCOTIA</u> -	
Dauphinee, A. T.	Horton St., Yarmouth
Gray, F. W.	108 Gerrish St., Halifax
Keltie, Robert, & Son	687 Barrington St., Halifax
Rottler, A. A.	Main St., Kentville
Steele, John D., & Sons	Commercial St., North Sydney
Tingley, Harold	13 Merkel St., Halifax
Tingley, J. A., Granite Works	Amherst
Truro Marble & Granite Works	907 Prince St., Truro
<u>NEW BRUNSWICK</u> -	
Kane, M. T., & Co. Ltd.	Westmoreland Rd., Saint John
Lawler & Williams	Chatham
Moore, John, & Sons	130 Carleton St., Fredericton
Pelletier, Alfred B.	St. Basile
St. Stephen Granite Works	Queen St., St. Stephen
Sherrard, T. F., & Son	135 Victoria St., Moncton
Shields, J. A.	Water St., St. Stephen
<u>QUEBEC</u> -	
Beaudet & Frenette Ltée.	Mont Joli
Beaulieu, Elzear	Ste. Helene, Kamouraska
Beebe Monumental Company	Beebe
Berson, L., & Son	3896 St. Lawrence Blvd., Montreal
Brault, Z.	1 Champlain St., Valleyfield
Brodie's Ltd.	Iberville
Brunet, A.	Ormstown
Brunet, J., Limitée	4485 Chemin Cote des Neiges, Montreal
Caron, E.	Ste. Anne de Beaupre
Chabot, J. Ray	Scott Junction, Co. Dorchester
Chausse, Edouard, & Fils	59 rue Aberdeen, Sherbrooke
Cote, Valere	187 First Ave., Quebec
Grete, James	178 Sophie St., Sorel
Dalceggio, F.	4588 Chemin Cote des Neiges, Montreal
Daudelin, Napoleon	92 St. Antoine St., St. Hyacinthe
Delwaide & Goffin	16 rue du Havre, Chicoutimi
Ducharme, J. Maurice	257 Notre Dame St., Victoriaville
Dugas, Joseph	191 St. Charles Borrome, Joliette
Dussault, Theo, & Cie.	Mont Laurier
Fortin, Dollard	St. David de Levis (Levis Co.)
Godin & Delisle	1253 St. Valier St., Quebec
Gignac, Azarias	St. Alban
Gosselin, Oscar	Lake Megantic (Frontenac Co.)
Gingras, Roch	Ste. Foye
Gosselin, Arsene	Cote de la Station, Beauceville Est
Hansford, Frank	14 Baldwin St., Coaticook
Hawkins, S.	1116 Bleury St., Montreal
Hill, Clayton J.	Richmond
Hurtubise, Albert	6752 Sherbrooke St. E., Montreal
Jacques, Olivier & Fils	18 Shaw St., Levis

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1935. (continued)

<u>Names of Companies</u>	<u>Location of Plants</u>
<u>QUEBEC</u> - concluded	
Lachute Marble Works	Main St., Lachute
Lafresnaye, Louis	Riviere du Loup
Lasalle Stone Co. Ltd.	Lafleur Ave., Ville La Salle
Leblanc, J. A.	Carleton Centre, Bonaventure Co.
Lefebvre, J. A.	78 Third St., Limoilou, Quebec
Michelin & Dessureault, Reg'd.	1055 Desforges Blvd., Three Rivers
National Granite Works Ltd.	Iberville
Paquin, Laurent	1043 Blvd. des Forges, Three Rivers
Picard, Wilfrid	Desautels & Sherbrooke Sts., Montreal
Poulin, P. A.	222 Champlain St., St. Jean
Quinlan Cut Stone Ltd.	Bois Franc Rd., St. Laurent
Roberge, Theodule	69 Boulevard Langelier, Quebec
Robertson, Fred	Beebe
Rolland, J. A.	1285 rue St. Valier, Quebec
Savard, J. Bte.	Ste. Anne de la Perade
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. W., Sherbrooke
Thuot & Denicourt	87 Fourth St., Iberville
Todoro & Bigras	3275 Desautels St., Montreal
Tremblay, Geo. E.	113 Ninth Ave., Iberville
<u>ONTARIO</u> -	
Allen Bros.	11 Cambridge St., Lindsay
Alpaugh, J., & Sons	St. Andrews St., Fergus
Austin, P. O.	Cor. Corborne and Young Sts., Simcoe
Barr, Wm.	Rear 1856 Yonge St., Toronto
Bayne, D. M.	Kemptville
Beaver Marble & Granite	Brock St. W., Uxbridge
Benzie, W. E.	649 York St., Hamilton
Bounsall, A. H.	Division St., Bowmanville
Bowden 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	16 Andrew St., Kitchener
Brockville Cemetery Memorial Works	R. R. 3, Brockville
Brown, R., & Son	376 Sparks St., Ottawa
Brown, Geo., Monumental Works	475 Bronson Ave., Ottawa
Bunfield, George Co.	355 York St., Hamilton
Campbell, A. C.	21 Bridge St. W., Belleville
Canadian Cut Stone Co.	Isabella St., Ottawa
Chapman, Wm. E.	Seaforth
Clarke, D., & Co.	1022 Howard Ave., Windsor
Cobourg Granite & Marble Works	King St., Cobourg
Colby, C. H.	39 Market Square, Chatham
Collingwood Granite & Marble Works	Simcoe St., Collingwood
Corley, A. C.	Main St., Brighton

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1935 (continued)

Names of Companies	Location of Plants
ONTARIO - continued	
Coughlin Monumental Works	218 Hunter St., Peterborough
Creber Son & Co.	1333 St. Clair Ave. W., Toronto
Cresswell, W. H.	187 Kent St., Lindsay
Crocker Reid Monument Co. Ltd.	Toronto-Hamilton Highway, Toronto
Cunningham & Pryde	Main St., Exeter
Davison, Geo. J.	Queen St., Paisley
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	123 Pitt St. E., Windsor
Fallon Bros.	393 Princess St., Kingston
Froats, George, & Co.	Argyle St., Renfrew
Galt Monumental Works	62 Water St. N., Galt
George, John J.	Port Elgin
Gladstone & Ross	588 E. Brock St., Fort William
Guelph Marble and Granite Works	Elora Rd., Guelph
Hardwick, H. G.	50 Ottawa St. N., Hamilton
Hayes Bros. Co.	290 Klock Ave., North Bay
Herbert & Geard	995 Barton St. E., Hamilton
Hibberd, Arthur	105 Melita Ave., Toronto
Hunter Granite Works	Argyle St., Simcoe
Humberstone Cut Stone & Monumental Works	590 King St., Humberstone
Ideal Monument Works	Springbank Drive, London
Johnston & Cranston	1849 Yonge St., Toronto
Jones, Thomas C.	Wallace St., Listowel
Jones & Stevens	277 Rideau St., Ottawa
Jones, W. A., & Sons	Main St. W., Picton
Kilvington Bros. Limited	Caledonia Rd., Toronto
Lake Superior Granite & Marble Works	111 Wellington St. W., Sault Ste. Marie
Laurin, J. P.	95 George St., Ottawa
Leamington Granite & Marble Works	75 Erie St. N., Leamington
London Marble & Granite Co. Ltd.	495 Richmond St., London
Luesby, George W.	178 Main St., Newmarket
Martel, Nap.	Main St., Vankleek Hill
McCallum Granite Co. Ltd.	397 Princess St., Kingston
McIntosh Granite Co.	1119 Yonge St., Toronto
McIntyre, George, Co.	60 Danforth Ave., Toronto
McKay Cut Stone Co.	65 Shalmar Ave., Forest Hill Village
McMillan Granite Co. Ltd.	105 Ontario St., Sarnia
Memorial Company of Toronto	2299 Bloor St. W., Toronto
Middleton Marble & Granite Co. Ltd.	122 Main St. E., Hamilton
Monumental Art Co.	2168 Dundas St. W., Toronto
Moore, C. Bert Monumental Works	71 Crescent St., Peterboro
Napanee Memorial Granite Works	Dundas St., Napanee
Niagara Cut Stone Co. Ltd.	Buttrey Ave., Niagara Falls
Nichols, John	Acton
Nicholsons Cut Stone Ltd.	Leaside
Nobbs, A. & E.	C. P. R. and William St., London
Oakley, Geo., & Sons, Ltd.	355 Logan Ave., Toronto

DIRECTORY (continued)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1935 (continued)

Names of Companies

ONTARIO - concluded

Ontario Marble Co. Ltd.

Orillia Monument Co.

Patterson & Cornelius

Peirce & Co.

Pollard & Miller

Pollock & Ingham

Porterfield & Colquhoun

Port Hope Monument Works

Rhodes Memorials Ltd.

Richardson, R. H.

Rigg Bros.

Ritchie Cut Stone Co. Ltd.

Ritchie Stone Co.

Ruch, L. J., and Son

Sanderson, R. J., Marble Co.

Scott Bros. Cut Stone Limited

Sherwood, J. H.

Skelton, E. J., and Son

Smith Memorial Works

Smith Monument Co.

Smyth, & Son

Snider, I. R.

Spotton, R. A.

Spun Rock Wools Ltd.

Standard Stone Co. Ltd.

Stead, Arthur, Cut Stone Co. Ltd.

Steiner's Monuments

Stubbs & Gibson

Strathroy Granite & Marble Co. Ltd.

Sudbury Memorial Works

Telephone City Memorial Works

Terrell, Walter

Thake, H. W.

Thomas, Geo., & Son

Thomson Monument Co. Ltd., The

Thomson, Wm. M.

Toronto Monumental Co.

Trenton Marble & Granite Works

Twin City Monument Co.

Wardell Monumental Works

Widdicombe, B.

Wideman, L. C., & Son

Wilcox Granite Co.

Williamson, W. A., & Sons

Williscroft, B. A.

Location of Plants

Maria St., Peterborough

252 Coldwater Rd. W., Orillia

St. Catharines

295 Lorne St. S., Sudbury

715 Queen St. E., Sault Ste. Marie

151 Main St., Galt

Mitchell

Ontario St., Port Hope

Cayuga

Victoria St., Hanover

605 Queen St., Niagara Falls

New Toronto St., New Toronto

51 Catherine St., Ottawa

38 Avondale Ave., Stratford

33 Peter St., S., Orillia

36 McGee St., Toronto

Cor. Stewart and London Sts., Peterboro

Yonge St., Walkerton

1539 Main St. E., Hamilton

349 Weston Road, Toronto

344 Wellington St., London

106 E. Main St., Humberstone

Wingham

65 Ormond St., Thorold

1440 Howard Ave., Windsor

Frid St., Hamilton

335½ Spadina Ave., Toronto

Morrisburg and Winchester

Strathroy

15 Dufferin St., Sudbury

59 Colborne St., Brantford

356 Hopewell Ave., Toronto

Mill St., Westport

Industrial St., Leaside

862 Dupont St., Toronto

303 Erskine Ave., Toronto

14 Willison Square, Toronto

Cor. Front and Ford Sts., Trenton

King St. E., Kitchener

2692 Dundas St. W., Toronto

5 Bond St., St. Catharines

Stouffville

Opposite Woodland Cemetery, Hamilton

William St., Gananoque

868 Third Ave. E., Owen Sound



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D I R E C T O R Y (concluded)

MONUMENTAL AND ORNAMENTAL STONE INDUSTRY, 1935 (concluded)

Names of Firms	Location of Plants
MANITOBA -	
Allen & Grants	405 Youville St., St. Boniface
Brunet, Joseph O.	207 Lawndale Ave., Norwood
Brooke, J. H., & Sons	286 Main St., Winnipeg
Campbell Bros.	90 Hespeler Ave., Winnipeg
Gauthier, Joseph	554½ 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, G. H.	201 Sixth St., Brandon
Pirotton, N.	385 Dubuc St., St. Boniface
Rennie, D., Memorials	532 Notre Dame Ave., Winnipeg
Somerville & Co.	1417 Rosser Ave., Brandon
Wheeldon & Sons	1055 Main St., Winnipeg
SASKATCHEWAN -	
Best Monumental Co.	721 Caribou St. W., Moose Jaw
Moloro Marble & Stone Works	404 Ontario Ave. and 25th St., Saskatoon
Moose Jaw Marble & Granite Works Ltd.	706 Athabasca St. E., Moose Jaw
Regina Monumental Co.	2537 Railway St., Regina
Sask. Marbie & 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.	Searth St., and Fourth Ave., Regina
ALBERTA -	
Alberta Granite, Marble & Stone Co. Ltd.	10702 - 101st St., Edmonton
Hart, Albert J.	1821 Second St. E., Calgary
Lethbridge Monumental Works	325 Eighth St. E., Lethbridge
McDonald Granite Co. Ltd.	2313 Second St. E., Calgary
North West Granite & Marble Co., The	8537 - 109th St., Edmonton
BRITISH COLUMBIA -	
Allan, A. S., & Co. Ltd.	880 Beach Ave., Vancouver
Art Monument Co. Ltd.	602 Kingsway, Vancouver
B. C. Memorial	422 Lorne St., Kamloops
Bertram Marble and Granite Works	4880 Fraser, Vancouver
Burnaby Monumental Works	2655 Patterson Ave., Burnaby
Continental Marble Co. Ltd.	1002 Georgia St. E., Vancouver
Forster Monumental Works	5528 Fraser St., Vancouver
Kingsway Monumental Works	3070 Kingsway St., Vancouver
Millins, C. E. J.	Pine St. and Comox Rd., Nanaimo
Mortimer, J., & Son	George Rd. and Government St., Victoria
Patterson & Chandler	5498 Fraser St., Vancouver
Stewart Monumental Works Ltd.	1401 May St., Victoria
Westway Monumental Works	145 Columbia St. E., New Westminster
Willey, C. E.	4695 Fraser Ave., Vancouver