

DOMINION BUREAU OF STATISTICS - CANADA  
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THE STONE INDUSTRY IN CANADA, 1928.

The stone industry in Canada comprises two main divisions: (a) The Stone Quarrying Industry, including quarries and dressing works operated in conjunction with quarries; and (b) The Monumental and Ornamental Stone Industry, comprising the operations of firms which have no quarries, but who operate dressing works where stone for building and monumental purposes is cut, polished or otherwise finished.

In the Canadian stone industry as a whole in 1928 there were 476 firms having a total capital investment of \$22,333,066, according to finally revised statistics compiled by the mining, metallurgical and chemical branch of the Dominion Bureau of Statistics at Ottawa. Production during the year was valued at \$14,987,435, which included the value of the quarry output and the value added by manufacturing in the secondary stone industry. Employment was furnished 6,815 persons and their total earnings amounted to \$7,385,221.

In the following pages, the two industries are reviewed separately.

(1). PRIMARY PRODUCTION - The Stone Quarrying Industry includes data on stone quarries and on dressing works operated in conjunction with quarries.

Stone production from Canadian quarries during 1928 advanced 12.97 per cent in quantity and 10.87 per cent in value; the total shipments were 8,253,934 tons valued at \$10,272,301 as compared with 7,306,436 tons worth <sup>9265314</sup>~~\$7,865,874~~ shipped in 1927. Ontario was the leading producer, accounting for 55.5 per cent of the total output; Quebec followed with 36.3 per cent and the other provinces in order of tonnages produced were: British Columbia, Manitoba, Nova Scotia, New Brunswick and Alberta.

Capital employed by the 254 firms operating in the stone quarrying industry in Canada in 1928 was reported at \$16,027,547. Salaried employees and wage-earners employed during the year totalled 5,129; their combined earnings amounted to \$4,806,514. Fuel and electricity used during 1928 cost \$579,086.





PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA, 1927 and 1928.

	1927	1928
Number of firms.....	222	254
Capital employed..... \$	13,810,984	16,027,547
Number of employees - On salary.....	234	258
On wages.....	4,837	4,871
Total.....	5,071	5,129
Salaries and wages - Salaries..... \$	419,863	527,634
Wages..... \$	4,151,742	4,278,880
Total..... \$	4,571,605	4,806,514
Cost of fuel and electricity..... \$	496,503	579,086
Selling value of products..... \$	9,265,304	10,272,301

PRODUCTION OF STONE IN CANADA, BY KINDS AND BY PROVINCES, 1928.

Province	Granite	Limestone	Marble	Sandstone	TOTAL
Nova Scotia.....Tons	39,360	72,350	160	9,298	121,168
\$	102,295	79,320	2,975	29,185	213,775
New Brunswick.....Tons	5,485	30,772	...	10,075	46,332
\$	66,435	57,650	...	18,896	142,981
Quebec.....Tons	230,660	2,684,305	6,643	70,584	2,992,192
\$	1,241,668	3,116,753	380,307	110,472	4,849,200
Ontario.....Tons	605,275	3,967,098	...	9,556	4,581,929
\$	566,601	3,421,064	...	53,903	4,041,568
Manitoba.....Tons	114,000	121,864	...	...	235,864
\$	114,000	494,217	...	...	608,217
Alberta.....Tons	...	4,852	...	158	5,010
\$	...	15,240	...	9,500	24,740
British Columbia...Tons	201,030	68,179	950	1,280	271,439
\$	275,947	83,193	31,400	1,280	391,820
CANADA.....Tons	1,195,810	6,949,420	7,753	100,951	8,253,934
\$	2,366,946	7,267,437	414,682	223,236	10,272,301

PRODUCTION IN CANADA BY KINDS, SHOWING PURPOSES FOR WHICH USED, 1928.

Purpose	Granite	Limestone	Marble	Sandstone	TOTAL
Building stone -					
Rough.....Tons	9,409	207,310	480	6,887	224,086
\$	107,042	248,312	19,642	48,878	423,874
Dressed.....Tons	11,865	91,886	1,870	1,213	106,834
\$	667,050	702,081	340,585	18,000	1,727,716
Monumental and ornamental stone - Rough.....Tons	8,933	3,000	800	...	12,733
\$	127,652	30,000	21,700	...	179,352
Dressed...Tons	2,486	225	150	...	2,861
\$	125,744	2,237	9,700	...	137,681
Flagstone.....Tons	...	305	...	1,631	1,936
\$	...	418	...	14,724	15,142
Curbstone.....Tons	21,537	...	...	...	21,537
\$	121,097	...	...	...	121,097
Paving blocks.....Tons	28,093	...	...	...	28,093
\$	184,961	...	...	...	184,961
Limestone for flux.Tons	...	256,913	...	...	256,913
\$	...	216,532	...	...	216,532
Limestone for sugar factories, chemical works, carbide plants, etc.....Tons	...	257,825	1,899	...	259,724
\$	...	265,212	2,763	...	267,975
Poultry grit.....Tons	3	184	100	...	287
\$	60	1,179	655	...	1,894
Ground limestone for agricultural use..Tons	...	24,962	...	...	24,962
\$	...	81,273	...	...	81,273
Rubble and riprap..Tons	173,123	414,470	...	32,618	620,211
\$	163,294	406,863	...	43,185	613,342
Crushed stone.....Tons	940,361	5,692,340	2,454	58,602	6,693,757
\$	870,046	5,313,330	19,637	98,449	6,301,462
TOTAL.....Tons	1,195,810	6,949,420	7,753	100,951	8,253,934
\$	2,366,946	7,267,437	414,682	223,236	10,272,301





(2). SECONDARY PRODUCTION - The Monumental and Ornamental Stone Industry includes the cutting, polishing or other finishing of stone in plants not operated in conjunction with quarries.

Production from the 222 stone dressing works in the Dominion rose to a new high level of \$7,176,034 in 1928 as compared with a total of \$5,606,984 in 1927. These totals include cut and polished stone for ornamental, monumental and building purposes; the largest single item for 1928 was limestone for building which was valued at \$2,861,336. Distribution by provinces of the plants in operation during 1928 was as follows: Ontario, 118; Quebec, 45; Manitoba, 13; British Columbia, 11; New Brunswick, 10; Nova Scotia, 10; Saskatchewan, 8; Alberta, 5; and Prince Edward Island, 2. Stone used in these plants during 1928 cost \$2,460,900; capital employed amounted to \$6,305,519; employees numbered 1,686, and salaries and wages totalled \$2,578,707.

PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY IN CANADA, 1924-1928.

	No. of plants	Capital employed	Average no. of employ-ees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
		\$		\$	\$	\$	\$
1924 ...	210	4,944,269	1,344	1,887,462	1,441,753	4,730,572	3,288,819
1925 ...	214	5,015,729	1,262	1,811,512	1,964,817	5,355,997	3,391,180
1926 ...	232	5,443,787	1,491	2,175,223	1,859,964	5,799,690	3,939,726
1927 ...	228	5,758,806	1,514	2,255,638	1,798,672	5,606,984	3,808,312
1928 ...	222	6,305,519	1,686	2,578,707	2,460,900	7,176,034	4,715,134

PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY IN CANADA, BY PROVINCES, 1927 and 1928.

Province	1	9	2	7	1	9	2	8
	No. of plants	No. of employ-ees	Selling value of products		No. of plants	No. of employ-ees	Selling value of products	
			\$				\$	
Prince Edward Island and Nova Scotia.....	13	48	159,147		12	45	162,066	
New Brunswick.....	11	60	150,134		10	73	146,846	
Quebec.....	49	269	838,892		45	324	1,081,091	
Ontario.....	119	774	3,217,742		118	963	4,739,095	
Manitoba.....	14	210	659,452		13	132	396,303	
Saskatchewan.....	8	48	232,848		8	53	302,054	
Alberta.....	5	56	191,160		5	53	201,868	
British Columbia.....	9	49	157,609		11	43	146,711	
CANADA.....	228	1,514	5,606,984		222	1,686	7,176,034	

PRODUCTS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY IN CANADA, 1927 and 1928.

Item	1927	1928
	Total selling value at works	Total selling value at works
	\$	\$
Granite, cut and polished - (a) Monuments.....	1,728,293	1,718,988
(b) For building purposes.....	83,877	314,553
Marble, cut and polished - (a) Monuments.....	420,651	404,058
(b) For building purposes.....	673,126	883,075
Marble chips and dust.....	6,591	24,677
Limestone - (a) Monuments and bases.....	97,264	132,406
(b) For building purposes.....	1,713,445	2,861,336
Finished monuments, lettered only.....	844,132	773,975
Other products.....	39,605	62,966
TOTAL.....	5,606,984	7,176,034





(3). IMPORTS AND EXPORTS OF STONE.— The total imports of stone into Canada during 1928 were valued at \$1,550,447, an increase of approximately 40 per cent over the total for 1927 of \$1,110,100. Granite imports in 1928 were appraised at \$248,444 made up of importations from the United Kingdom valued at \$91,324; the United States, \$56,350; Germany, \$37,495; Sweden, \$27,421; Finland, \$21,229; Czechoslovakia, \$13,804; and minor shipments from Switzerland, France and Italy. Paving blocks worth \$10,919 were brought into Canada from the United States. Imports of marble (rough, sawn and manufactures of) into Canada in 1928 were valued at \$433,923; producers in the United States supplied 69.8 per cent or \$302,903; those in Italy, 23.4 per cent or \$101,424; and the remainder, in order of import value, came from Belgium, France, the United Kingdom, Germany, Sweden, Finland, Cuba, Czechoslovakia, Austria, Switzerland and British India. Other building stone and flagstone to a value of \$412,882 were imported in 1928, principally from the United States. In 1928, Canada imported from the United States and Newfoundland refuse stone amounting to 597,134 tons worth \$373,453. Exports of Canadian stone were valued at \$250,215, as compared with \$141,306 for 1927; increased exports of crushed stone accounted for this advance.

IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1928.

	Tons	Value \$
<u>IMPORTS -</u>		
Building stone, other than marble or granite, sawn on more than two sides, but not sawn on more than four sides.....	306	4,085
Building stone, other than marble or granite, planed, turned, cut, or further manufactured than sawn on four sides.....	259	27,781
Flagstone, sandstone, and all building stone, not hammered, sawn or chiselled.....	...	167,568
Flagstone and building stone, other than marble or granite, sawn on not more than two sides.....	...	213,448
Granite, rough, not hammered or chiselled (from April 1 to December 31).....	...	47,409
Granite, sawn only.....	...	7,637
Granite, monuments (from April 1 to December 31).....	...	129,466
Granite, manufactures of, n.o.p.....	...	63,932
Paving blocks.....	...	10,919
Marble, rough, not hammered or chiselled.....	...	137,120
Marble, sawn or sand rubbed, not polished.....	...	170,074
Marble, manufactures of, n.o.p.....	...	126,729
Refuse stone.....	597,134	373,453
Manufactures of stone, n.o.p.....	...	70,826
TOTAL.....	...	1,550,447
<u>EXPORTS -</u>		
Crushed.....	128,379	209,852
Granite and marble, unwrought.....	2,529	26,034
Freestone, limestone, and other building stone, unwrought...	383	3,664
Dressed stone.....	...	10,665
TOTAL.....	...	250,215

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