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DOMINION BUREAU OF STATISTICS - CANADA
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XX

THE STONE INDUSTRY IN CANADA, 1929.

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 having no quarries, but who operate dressing works where stone for building and monumental purposes is cut, polished or otherwise finished.

The Canadian stone industry, as a whole, in 1929 included the operations of 447 firms with a total capital investment of \$27,696,920, according to a report just issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa. Production during the year was valued at \$17,501,658, which included the value of the quarry output and the value added by manufacturing in the secondary stone industry. Salaried employees and wage-earners employed in 1929 numbered 7,344 persons and their combined earnings amounted to \$3,507,845.

The two industries are treated separately in the following review:

(1). - PRIMARY PRODUCTION - The Stone Quarrying Industry.- Shipments of stone from Canadian quarries during 1929 amounted to 9,622,424 tons valued at \$12,066,532 as compared with 8,255,934 tons worth \$10,272,301 produced in 1928. The 1929 production consisted of 7,720,840 tons of limestone, 1,738,165 tons of granite, 159,407 tons of sandstone and 14,012 tons of marble. Limestone was produced in all provinces except Prince Edward Island and Saskatchewan; granite in Nova Scotia, New Brunswick, Quebec, Ontario, and British Columbia; sandstone in Nova Scotia, New Brunswick, Quebec, Ontario, Alberta, and British Columbia; and marble in Nova Scotia, Quebec, Manitoba, and British Columbia. Ontario was the leading stone producing province accounting for 54.4 per cent of the total tonnage shipped; Quebec followed with 35.2 per cent; and the other provinces in order of tonnages produced were British Columbia, Nova Scotia, Manitoba, New Brunswick, and Alberta.

The 247 firms operating in the stone quarrying industry in Canada during 1929 reported a total capital investment of \$20,589,750. Employment was furnished 5,081 salaried employees and wage-earners whose earnings totalled \$5,459,761. Fuel used during the year cost \$565,523 of which \$81,422 was expended for 12,131 tons of Canadian coal, \$194,237 for 28,294 tons of imported coal, and lesser amounts for

PRINCIPAL STATISTICS OF THE STONE QUARRYING INDUSTRY IN CANADA, 1928 and 1929.

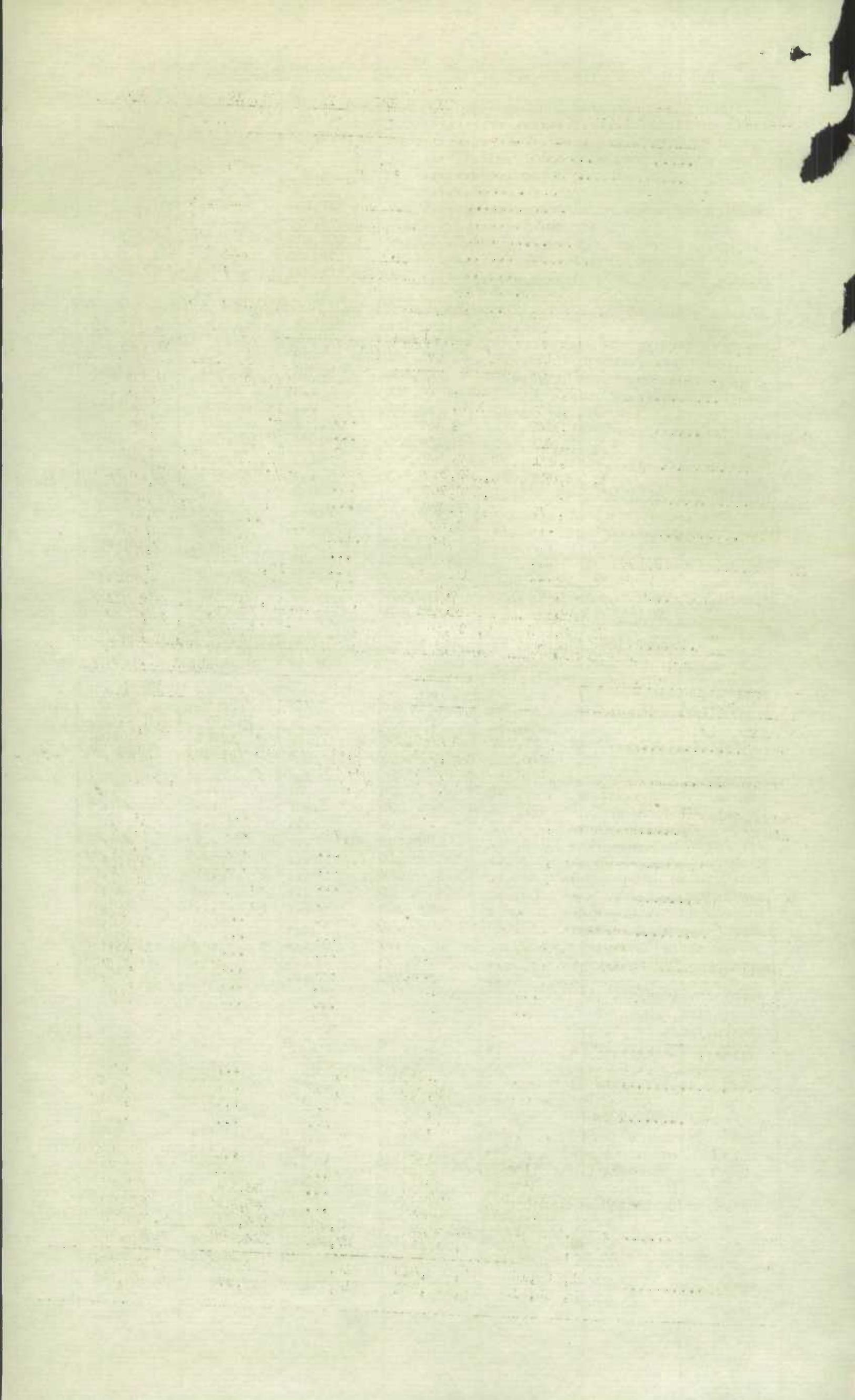
	1928	1929
Number of firms.....	254	247
Capital employed.....\$	16,027,547	20,589,758
Number of employees - On salary.....	258	316
On wages.....	4,871	5,365
Total.....	5,129	5,681
Salaries and wages - Salaries.....\$	527,634	587,111
Wages.....\$	4,278,890	4,872,650
Total.....\$	4,806,514	5,459,761
Cost of fuel and electricity.....\$	579,066	759,418
Selling value of products.....\$	10,272,301	12,066,532

PRODUCTION OF STONE IN CANADA, BY KINDS AND BY PROVINCES, 1929.

Province	Granite	Limestone	Marble	Sandstone	TOTAL
Nova Scotia.....Tons	76,742	175,981	132	11,851	264,706
\$	98,357	199,394	2,515	75,966	376,222
New Brunswick.....Tons	5,142	20,710	...	1,500	27,352
\$	91,610	33,360	...	80,000	204,970
Quebec.....Tons	508,471	2,327,740	15,061	135,179	5,464,471
\$	1,623,860	5,139,339	397,074	157,536	5,317,850
Ontario.....Tons	850,927	4,380,706	...	8,039	5,239,672
\$	926,977	3,759,357	...	49,929	4,736,263
Manitoba.....Tons	...	191,506	803	...	192,109
\$	...	885,826	9,191	...	895,017
Alberta.....Tons	...	4,975	...	208	5,183
\$	...	12,046	...	12,500	24,546
British Columbia...Tons	286,883	119,222	196	2,650	408,951
\$	340,611	145,319	5,232	23,043	511,655
CANADA.....Tons	1,728,165	7,720,840	14,012	159,407	9,622,424
\$	3,080,815	8,172,681	414,062	399,974	12,066,532

PRODUCTION IN CANADA BY KINDS, SHOWING PURPOSES FOR WHICH USED, 1929.

Purpose	Granite	Limestone	Marble	Sandstone	TOTAL
Building stone -					
Rough.....Tons	15,082	95,766	914	12,965	123,727
\$	137,353	432,959	22,927	118,678	711,917
Dressed.....Tons	23,869	36,037	1,908	1,708	63,522
\$	746,557	944,491	347,256	92,500	2,130,784
Monumental and ornamental stone -					
Rough.....Tons	9,272	126	231	...	9,629
\$	121,053	955	5,732	...	127,740
Dressed...Tons	3,155	699	...	...	3,852
\$	149,810	4,722	...	...	154,532
Flagstone.....Tons	...	129	...	1,650	1,759
\$	...	264	...	17,391	17,655
Curbstone.....Tons	55,745	39	...	...	55,784
\$	226,372	393	...	...	226,765
Paving blocks.....Tons	18,009	...	...	...	18,009
\$	159,327	...	...	...	159,327
Limestone for flux.Tons	...	453,597	...	...	453,597
\$	...	376,799	...	...	376,799
Stone for sugar factories, chemical works, carbide plants, etc.....Tons	...	311,686	7,350	...	319,036
\$	...	359,739	10,658	...	350,397
Poultry grit.....Tons	2	3,054	...	...	3,056
\$	10	12,512	...	...	12,522
Ground limestone for agricultural use..Tons	...	28,744	...	...	28,744
\$	...	71,833	...	...	71,833
Pubble and riprap..Tons	231,038	677,837	...	58,198	947,073
\$	204,287	591,385	...	45,732	841,404
Crushed stone.....Tons	1,391,993	6,115,128	5,609	104,906	7,615,636
\$	1,336,066	5,396,629	27,489	124,673	6,884,857
TOTAL.....Tons	1,728,165	7,720,840	14,012	159,407	9,622,424
\$	3,080,815	8,172,681	414,062	399,974	12,066,532



(2). SECONDARY PRODUCTION - The Monumental and Ornamental Stone Industry -

Production from the 220 stone dressing works in the Dominion rose to a new high level of \$8,224,060 in 1929 as compared with a total of \$7,176,034 in 1928. These totals include cut and polished stone for ornamental, monumental and building purposes; the largest single item for 1929 was limestone for building which was valued at \$2,739,504. Distribution by provinces of the plants in operation during 1929 was as follows: Ontario, 116; Quebec, 45; Manitoba, 13; British Columbia, 11; New Brunswick, 11; Nova Scotia, 10; Saskatchewan, 7; Alberta, 5; and Prince Edward Island, 2. Stone used in these plants during 1929 cost \$2,788,934 at the works; capital employed amounted to \$7,107,162; employees numbered 1,863, and salaries and wages totalled \$3,048,084.

PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY IN CANADA, 1928-1929.

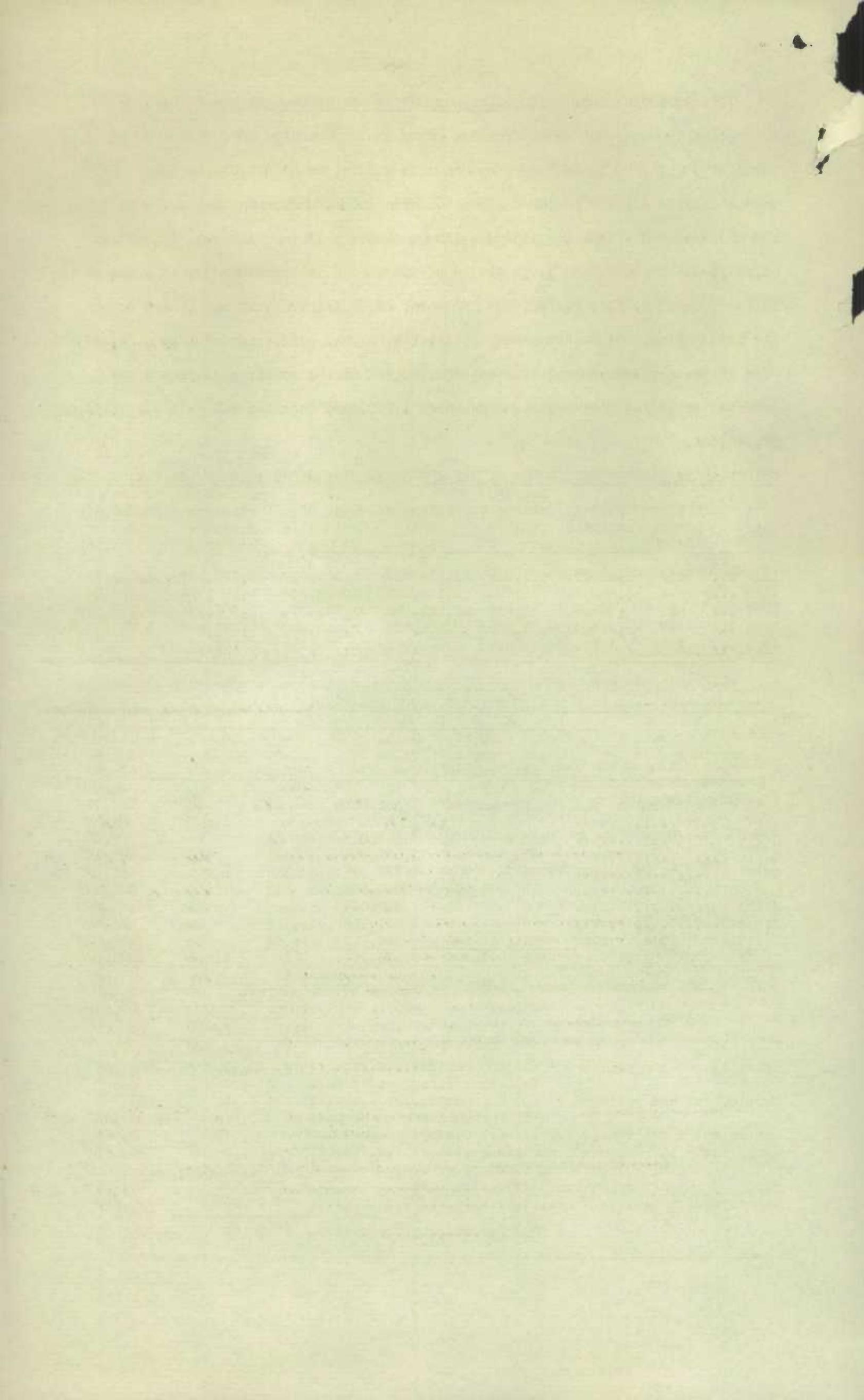
Year	No. of plants	Capital employed	Average number of employ-ees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manu-facturing
		\$		\$	\$	\$	\$
1925 ...	214	5,015,729	1,262	1,811,512	1,964,817	5,325,927	3,321,180
1926 ...	232	5,445,767	1,491	2,175,223	1,859,964	5,799,690	3,259,726
1927 ...	228	5,758,806	1,514	2,255,638	1,793,672	5,606,984	3,808,312
1928 ...	222	6,505,519	1,686	2,578,707	2,460,900	7,176,034	4,713,134
1929 ...	220	7,107,162	1,863	3,048,084	2,788,934	8,224,060	5,435,126

PRINCIPAL STATISTICS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY IN CANADA, BY PROVINCES, 1928 and 1929.

Province	1928			1929		
	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.....	12	45	162,068	12	48	183,772
New Brunswick.....	10	73	146,846	11	74	180,850
Quebec.....	45	324	1,081,091	45	413	1,486,177
Ontario.....	118	963	4,739,095	116	1,002	5,064,697
Manitoba.....	13	132	396,303	13	143	547,779
Saskatchewan.....	8	53	302,054	7	62	280,263
Alberta.....	5	53	201,368	5	59	216,685
British Columbia.....	11	43	146,711	11	62	253,857
CANADA.....	222	1,686	7,176,034	220	1,863	8,224,060

PRODUCTS OF THE MONUMENTAL AND ORNAMENTAL STONE INDUSTRY IN CANADA, 1928 and 1929.

Item	1928	1929
	Total selling value at works	Total selling value at works
	\$	\$
Granite, cut and polished - (a) Monuments.....	1,718,938	1,815,463
(b) For building purposes..	314,553	465,165
Marble, cut and polished - (a) Monuments.....	404,058	391,347
(b) For building purposes..	883,075	1,621,112
Marble chips and dust.....	21,677	23,802
Limestone - (a) Monuments and bases.....	132,406	325,876
(b) For building purposes.....	2,861,336	2,739,504
Finished monuments, lettered only.....	772,975	783,748
Other products.....	62,866	35,423
TOTAL.....	7,176,034	8,224,060



(3) IMPORTS AND EXPORTS OF STONE - The total imports of stone during 1929 were valued at \$2,068,453, an advance of 53.4 per cent over the 1928 importations of \$1,350,447. Granite imports in 1929 were appraised at \$270,051 consisting of importations from the United Kingdom valued at \$97,186; the United States, \$72,946; Sweden, \$29,133; Finland, \$27,917; Germany, \$24,276; Czechoslovakia, \$13,135; and minor shipments from Italy, Switzerland, Denmark and the Netherlands. Marbles, rough, sawn, and manufactures of, imported into Canada during the year was valued at \$692,894; receipts from the United States accounted for 73.6 per cent of \$509,942; from Italy, \$133,465, the remainder, in order of import value, came from Belgium, France, the United Kingdom, Germany, Sweden, Finland, Czechoslovakia, Austria, China, and Japan. Other building stone and flagstone to a value of \$340,097 were imported during 1929, principally from the United States. Refuse stone to a total of 645,768 tons valued at \$405,077 was imported from the United States and Newfoundland during 1929.

Exports of Canadian stone declined 5.2 per cent to a value of \$237,121 as compared with \$250,215 recorded for 1928.

IMPORTS INTO CANADA AND EXPORTS OF STONE, BY KINDS, 1929.

	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.....	471	6,225
Building stone, other than marble or granite, planed, turned, cut, or further manufactured than sawn on four sides.....	1,936	77,635
Flagstone, sandstone, and all building stone, not hammered, sawn or chiselled.....	...	507,013
Flagstone and building stone, other than marble or granite, sawn on not more than two sides.....	...	233,084
Granite, rough, not hammered or chiselled.....	...	65,036
Granite, sawn only.....	...	22,799
Granite, monuments.....	...	137,759
Granite, manufactures of, n.o.p.....	...	44,657
Marble, rough, not hammered or chiselled.....	...	237,680
Marble, sawn or sand rubbed, not polished.....	...	237,497
Marble, manufactures of, n.o.p.....	...	187,717
Refuse stone.....	645,768	405,077
Manufactures of stone, n.o.p.....	...	76,364
TOTAL.....	...	2,068,453
<u>EXPORTS -</u>		
Crushed.....	116,950	200,000
Granite and marble, unwrought.....	2,467	23,189
Freestone, limestone, and other building stone, unwrought.	661	8,867
Dressed stone.....	...	5,065
TOTAL.....	...	237,121

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