Sand and Gravel, and Stone.-The Mining, Metallurgical and Chemical Branch of the Bureau of Statistics presents details of production and organization of the stone industry separately from that of sand and gravel, but for the sake of brevity they are here discussed together. However, the figures of stone production shown do not include the limestone used to produce lime and cement, nor the quartz and other rock minerals, which are shown separately in Table 2, p. 285. The production of these materials increased greatly up to the world depression that began in 1930. The expansion in the stone industry was chiefly in crushed stone. Thus a production of crushed stone in 1922 of 3,044,399 tons had increased by 1930 to 8,062,330 tons, while in the same period the production of sand and gravel increased from 11,666,374 tons to 28,547,511 tons. During the depression the output contracted sharply, but since 1933 there has been some recovery. Among the developments in Canada that resulted in increased production of these materials prior to the depression may be mentioned: (1) the tendency for brick to be replaced by reinforced concrete, cement blocks, etc., as indicated at p. 315, by a decline in brick production and an increase in that of cement; (2) the extensive improvement during that period in the mileage and character of roads and highways in Canada; and (3) the improvement of railway roadbeds.

The provincial distribution of the 1940 production of sand and gravel, and stone, is shown in Table 6, p. 291, while the chief purposes for which these materials were produced are shown in Table 36.

The quantities and values of stone produced, given in the following table, represent only the production of those establishments that actually quarry their own stone and are exclusive of the products of the stone-dressing industry comprising those establishments that buy rough stone and dress, polish or finish it; although dressing operations are frequently carried on right at the quarry and to that extent cannot be separated from the primary production.

Material and Purpose	1938		1939		1940	
	Quantity	Gross Value	Quantity	Gross Value	Quantity	Gross Value
	tons	\$	tons	\$	tons	\$
Sand— Moulding sand For building, concrete, roads, etc Other	18,845 1,750,187 67,595	685,976	1,169,899	364,829	1,961,604	537,937
Sand and Gravel— For railway ballast For concrete, roads, etc For mine filling Crushed gravel	22,513,256 1,852,323	9,101,882 256,380	3,223,718 22,899,751 1,452,993 2,475,343	8,988,114 194,332	3,834,904 21,465,961 1,031,046 2,998,843	9,100,612 150,209
Totals, Sand and Gravel	32,223,882	12,002,554	31,294,341	11,241,102	31,375,415	11,759,245
Stone Building. Monumental and ornamental. Limestone for agriculture. Limestone for agriculture. Chemical Uses Flux. Fulp and paper. Other. Other. Rubble and riprap. Crushed.	129,689 314,604	448, 328 146, 557 233, 671 126, 980 107, 349 359, 232	8,296 192,505 273,970 175,154 128,154	313,019 271,294 203,672 206,126 113,781 341,002	7,956 175,554 331,154 248,755 145,776	282,381 275,231 240,402 315,080 126,314 298,635
Totals, Stone ¹	5,116,022	5,556,026	5,443,522	6,455,696	7,447,665	7,398,959

36.--Production of Sand and Gravel, and Stone in Canada, 1938-40

¹ Totals include minor items not specified.