

No. 21.

Gray Granite, from the New Brunswick Red Granite Co., Mr. F. T. C. Burpee, Manager, St. John, N.B.

GRANITE (var. Granitite), medium grained, gray, fresh looking. Contains quartz, orthoclase in grayish white, slightly porphyritic crystals, black biotite, and some reddish brown titanite. Specimens prepared by owner.

Specimen.	Section under Pressure.	Height.	Crushing Load.	Crushing Stress per Square Inch.	Average Crushing Stress per Square Inch.
	Inches.	Inches.	Pounds.	Pounds.	Pounds.
A	$2\frac{1}{8} \times 2$	$2\frac{1}{8}$	69,000	16,235	15,961
B	$2\frac{1}{8} \times 2\frac{1}{8}$	$2\frac{1}{8}$	68,000	15,059	
C	$2 \times 2\frac{1}{8}$	2	79,200	18,635	
D	$2\frac{1}{8} \times 2\frac{1}{8}$	2	61,000	13,917	

No. 22.

Gray Granite, from the Standstead Quarry, owned by Mr. James Brodie, Lineboro, P.Q.

GRANITE (var. Granitite), rather coarse grained, gray, fresh looking. Contains quartz, white orthoclase, white plagioclase, greenish black biotite, and a trace of pyrite. Stone in beds of from one to ten feet, and can be obtained any size up to 40 feet long. Specimens prepared by owner.

Specimen.	Section under Pressure.	Height.	Crushing Load.	Crushing Stress per Square Inch.	Average Crushing Stress per Square Inch.
	Inches.	Inches.	Pounds.	Pounds.	Pounds.
A	7,343
B	$2\frac{1}{4} \times 2\frac{1}{4}$	2	32,000	6,321	
C	$2\frac{1}{8} \times 2\frac{1}{8}$	2	30,000	6,844	
D	$2\frac{1}{8} \times 2\frac{3}{8}$	2	40,000	8,865	

No. 23.

Stone from the Cumberland Basin Brown Stone Quarry, owned by the Atlantic Brown Stone Co., Box 118, Sackville, N.B.

SANDSTONE, medium grained, purplish brown. Contains quartz, much reddish felspar, and a few grains of green silicate, and scales of mica. Strong argillaceous odor, effervesces slightly with acid. Stone in beds of from four to ten feet, and can be got out up to twelve tons.

Specimen.	Section under Pressure.	Height.	Crushing Load.	Crushing Stress per Square Inch.	Average Crushing Stress per Square Inch.
	Inches.	Inches	Pounds.	Pounds.	Pounds
A	3×3	3	30,000	3,333	4,224
B	$2\frac{1}{8} \times 3\frac{1}{8}$	$3\frac{1}{8}$	42,600	4,735	
C	$2\frac{3}{8} \times 2\frac{3}{8}$	$3\frac{1}{8}$	38,000	4,311	
D	$3 \times 3\frac{1}{8}$	3	41,500	4,517	

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