

## TESTS OF ONTARIO BUILDING STONES.

The following is the report presented January 31st, 1893, by a committee of the council of the Ontario Association of Architects. The committee consisted of Messrs. W. G. Storm, D. B. Dick, E. Burke, S. G. Curry, S. H. Townsend (chairman), and was assisted by Profs. Galbraith and Coleman, and Messrs. Wright and Rosebrugh of the School of Practical Science.

The stone to be tested was first sawn into cubes, then set in plaster of Paris in a steel frame made for the purpose and brought to perfectly parallel faces by rubbing.

In placing the specimens in the machines care was taken that the pressure was always applied at right angles to the natural quarry bed of the stone.

Specimens of the stones tested have been preserved and a complete set of these, together with all data connected with the tests, including in most cases photographs of the stones broken, have been kept at the School of Practical Science, and also at the office of the above Association.

No. 1.

Connecticut Brown Sandstone from the Middlesex Quarry Co.,  
Portland, Connecticut. Supplied by Messrs. Brown & Love.

SANDSTONE, medium grained, purplish brown, consists of quartz grains, with some grains of felspar, and many scales of white mica. Very slight effervescence with acid.

Specimen.	Section under Pressure.	Height.	Crushing Load.	Crushing Stress per Square Inch.	Average Crushing Stress per Square Inch.
	Inches.	Inches.	Pounds.	Pounds.	Pounds.
A	$3\frac{1}{8} \times 3$	$2\frac{7}{8}$	89,000	9,493	
B	$3\frac{1}{8} \times 3$	$2\frac{7}{8}$	92,000	9,813	
C	$2\frac{7}{8} \times 3\frac{1}{8}$	$2\frac{7}{8}$	78,000	8,858	
D	$2\frac{7}{8} \times 3$	$2\frac{7}{8}$	64,000	7,420	8,896

Stone  
Stone Co., a  
SANDSTONE, ve  
showing p  
thick and c

Specimen.	S
A	1
B	3
C	3
D	2
	3

Credit F  
Credit Forks  
SANDSTONE, fin  
mica. The  
pieces up to

Specimen.	S
A	1
B	2
C	2
D	3

Stone fr  
Messrs. A. M  
LIMESTONE, co  
The stone  
quarry.

Specimen.	S
A	1
B	3
C	3
D	3