

Age.....	2½ months days.
Ultimate load.....	22,400 pounds.
Crushing strength per square inch.....	293 pounds.
“ “ “ foot.....	21 tons.

All the bricks in the upper portion were completely shattered, the principal failure occurring along one corner of pier.

Pier No. 7 :

Description..	Carleton Clinker, laid in lime mortar with ¾" joints.
Size of pier, 8½" x 8¾".....	area, 72 square inches.
Length, 8 courses.....	22 inches.
Weight.....	114 pounds.
Age.....	2½ months.
Ultimate load.....	44,000 pounds.
Crushing strength per square inch.....	609 pounds.
“ “ “ foot.....	43.8 tons.

The pier failed, with continuous lines of fracture up and down the four sides, only one brick on the lower bed being uninjured after the test.

Pier No. 8 :

Description....	Carleton, 1st class, laid in mortar with ¾" joints.
Size of pier, 8¾" x 8¾".....	area, 76.5 square inches.
Length, 8 courses.....	23½ inches.
Weight.....	110 pounds.
Age.....	2½ months.
Ultimate load.....	41,000 pounds.
Crushing strength per square inch.....	535 pounds.
“ “ “ foot.....	38.5 tons.

The pier was completely shattered under the highest load. The mortar crumbled out like sand, and had very little effect in holding any portions of the pier together.

Pier No. 9 :

Description..	Yorkville, No. 1, white brick, laid in lime mortar with ¾" joints.
Size of pier, 8¾" x 8¾".....	area, 76.5 square inches.
Length, 5 courses.....	14½ inches.
Weight.....	65 pounds.
Age.....	2½ months.
Ultimate load.....	39,000 pounds.
Crushing strength per square inch.....	509 pounds.
“ “ “ foot.....	36.6 tons.