

Cement is to have it tested in a well-equipped cement laboratory, where accuracy and proper conditions are carefully observed.

Miscellaneous.

Ordinarily one barrel Portland Cement should be sufficient to make mortar to lay 1,000 bricks with $\frac{1}{4}$ -in. joint.

For plastering cisterns, 1 part Portland Cement, 2 parts sand will give excellent results.

For sewer pipe and building stone, use 1 part Portland Cement to 4 parts sharp, clean sand. Put in mould and stamp well, using minimum quantity of water.

Sand and gravel, dry—

1 cubic foot weighs from 100 to 110 lbs.

1 “ yard “ 2,700 “ 2,900 “

Limestone, broken in pieces from 1 to 2-inch size—

1 cubic foot weighs about 90 lbs.

1 “ yard “ “ 2,430 “

Portland Cement, loose, 1 cubic foot weighs 70 lbs.

“ “ packed, 1 “ “ 110 “

1 barrel = $3\frac{1}{2}$ cubic feet.

