GENERAL REMARKS

The weight of sound white oak is from 52 to 66 pounds the cubic foot.

The weight of pitch pine is from 42 to 54 pounds the cubic foot.

The weight of white pine is from 40 to 48 pounds the cubic foot.

REMARKS ON STONE AND BRICK.

The weight of this first material is as diverse as that of timber, and the strength thereof is to be ascertained thereby, to as great an amount as any other material.

The weight of Marble is from 250 pounds the cubic foot, or 9 feet to the ton; to 140 pounds, or 16 feet to the ton. But the average weight of the best Italian Marble is 12 cubic feet to the ton.

A column of Marble of this specific gravity last mentioned, six feet diameter, would sustain more weight than can be placed upon it.

The weight of mountain Granite, is from 224 pounds the cubic foot, or 10 feet to the ton; to 140 pounds, or 16 feet to the ton. But the average weight of the best Granite is 13 cubic feet to the ton.

A column of Granite of this last specific gravity, 5 feet diameter, would sustain more weight than can be placed upon it.

The weight of Portland, Purbee, and Hannam stone, is found to be from 160 pounds the cubic foot, or 14 feet to the ton, to 112, or 20 feet to the ton. But the average weight of the best sort of these stones is found to be 15 feet to the ton.

A column of Portland, or Hannam stone, of the said specific gravity, 7 feet diameter, would sustain more weight than can be placed upon it.