The best brown Second River Jersey stone (North America) for majestic appearance, (especially in large public buildings) soundness of texture, and consistency of strength, is not to be exceeded by the stone in any other country of the world. Its average weight is from 100 to 130 pounds the cubic foot.

A column of this stone, 7 feet diameter, would carry more weight than can possibly be built upon it.

There are many other sorts of stone which are doubtless not inferior to those we have cited, not only to be found in other countries, but also in the rich mines of the United States, which in years to come, when the professed sons of art are better acquainted with their valuable quality and use, will be disposed of to greater advantage than is witnessed in the present day.

The weight of hard well-burnt brick will be found to be from 114 to 130 pounds the cubic foot.

A column of brick, of the last mentioned weight, well laid in good cement, 9 feet diameter, would sustain more weight than can be built upon it.

REMARKS ON IRON, &c.

Gold is unalterable by art, and the heaviest of all known bodies; will so expand that a grain may be beaten into a leaf of fifty square inches; and a Gold Wire, one tenth of an inch in diameter, will suspend or support 500 pounds weight, without breaking.

Next to this valuable metal for strength is Iron. This is the hardest, the most elastic, and, except Tin, the lightest of all metals.

An Iron wire, one tenth of an inch in diameter, will carry or support 150 pounds weight, without breaking.

An Iron rod, one quarter and one sixteenth of an inch square, will carry 3 ton, without breaking.