

## PART V.

## WALLS, PIERS AND PARTITIONS.

SEC. 492. Materials for Walls.—The walls of all buildings, <sup>Ib., Sec. 20.</sup> other than frame or wood buildings, shall be constructed of stone, brick, Portland cement, iron, steel or other hard, incombustible material, and the several component parts of such buildings shall be as herein provided. All buildings shall be inclosed on all sides with independent or party walls.

SEC. 493. Walls and Piers.—Bearing walls shall be taken to <sup>Ib., Sec. 21.</sup> mean those walls on which the beams, girders or trusses rest. If any horizontal section, through any part of any bearing wall in any building, shows more than thirty per centum area of flues and openings, the said wall shall be increased four inches in thickness for every fifteen per centum or fraction thereof of flue or opening area in excess of thirty per centum. The walls and piers of all buildings shall be properly and solidly bonded together with close joints filled with mortar. They shall be built to a line and be carried up plumb and straight. The walls of each story shall be built up the full thickness to the top of the beams above. All brick shall be well wet immediately before being laid. All piers shall be built of stone or good, hard, well-burnt brick, laid in cement mortar, with such bondstones or bondplates of metal as may be deemed necessary by the Commissioner of Buildings.

In all brick walls every sixth course shall be a heading course, except where walls are faced with brick in running bond, in which latter case every sixth course shall be bonded into the backing by cutting the course of the face brick and putting in diagonal headers behind the same, or by splitting the face brick in half and backing the same with a continuous row of headers. Where face brick is used of a different thickness from the brick used for backing the courses of the exterior and interior brickwork shall be brought to a level bed at intervals of not more than ten courses in height of the face brick, and the face brick shall be properly tied to the backing by a heading course of the face brick. All bearing walls faced with brick laid in running bond shall be four inches thicker than the walls are required to be under any section of this ordinance.

SEC. 494. Ashlar.—Stone used for the facing of any building, <sup>Ib., Sec. 22.</sup> and known as ashlar, shall not be less than four inches thick. Stone ashlar shall be anchored to the backing, and the backing shall be of such thickness as to make the walls, independent of the ashlar, conform as to the thickness with the requirements of this ordinance, unless the ashlar be at least eight inches thick and bonded into the backing, and then it may be counted as part