

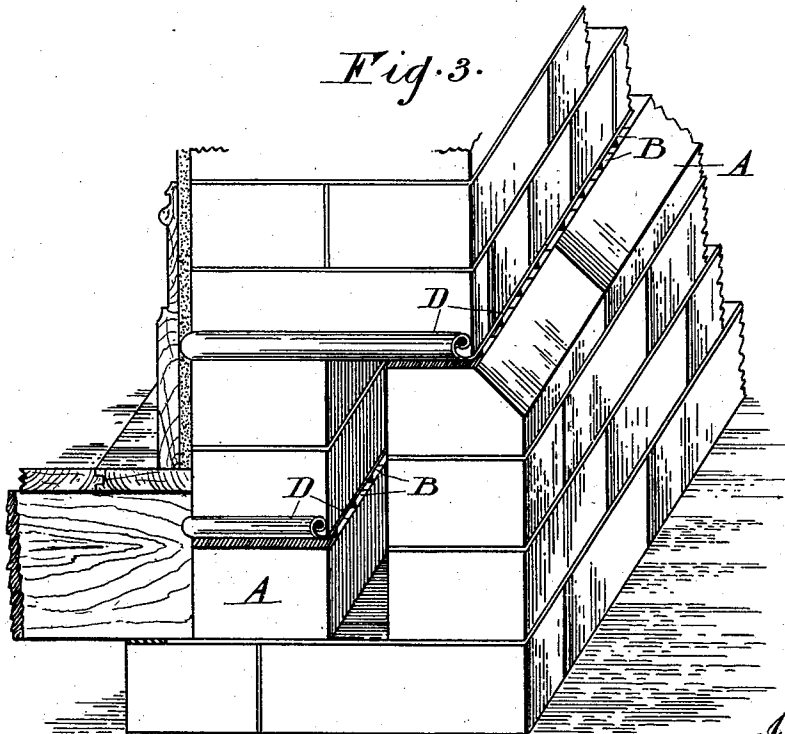
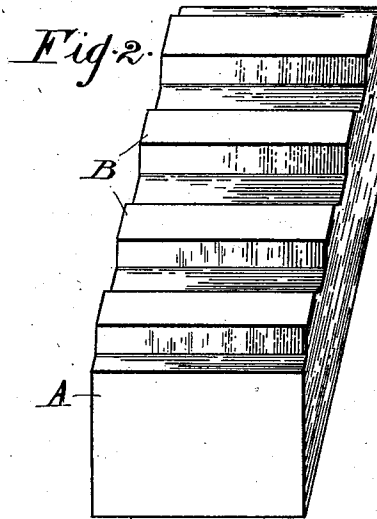
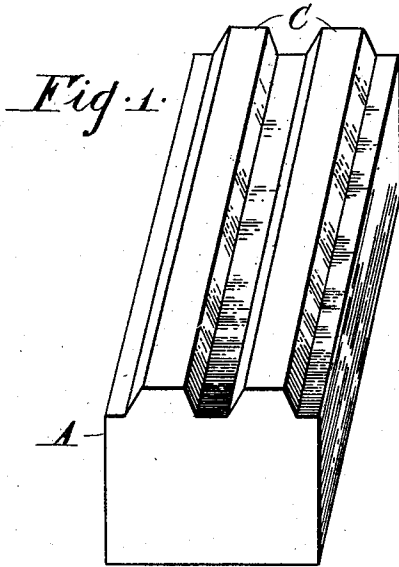
No. 718,823.

PATENTED JAN. 20, 1903.

T. DARLINGTON.
MEANS FOR VENTILATING BRICK BUILDINGS.

APPLICATION FILED NOV. 24, 1902.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS DARLINGTON, OF SOUTH MELBOURNE, VICTORIA, AUSTRALIA.

MEANS FOR VENTILATING BRICK BUILDINGS.

SPECIFICATION forming part of Letters Patent No. 718,823, dated January 20, 1903.

Application filed November 24, 1902. Serial No. 132,628. (No model.)

To all whom it may concern:

Be it known that I, THOMAS DARLINGTON, builder, a subject of the King of Great Britain, residing at Nos. 261 and 263 Moray street, South Melbourne, in the State of Victoria and Commonwealth of Australia, have invented Improved Means for Ventilating Brick Buildings, of which the following is a specification.

This invention relates to the ventilation of all classes of brick buildings with walls of the thickness of four inches and upward; and it consists, essentially, in the use of bricks formed with regular parallel projections on its upper or lower side, as hereinafter described, over or under which is laid a strip of metal or composite sheeting, such as rubberoid, thereby forming air-passages between said projections. This means of ventilating may be cheaply and readily fixed in the walls where desired and is neat and durable and not easily broken. It is principally intended for ventilating under floors or may be used for removing moisture through walls or for supplying air to interiors of rooms, in which latter case it can be placed within the cornice or molding out of sight, or it may be used as enrichments. The composite or other sheeting may be bent or inclined upwardly and so act as a flashing to keep out rain-water and when used near the ground will act as a damp-proof course.

Referring to the accompanying drawings, Figures 1 and 2 are perspective views, respectively, of a "header" and "stretcher" illustrating the regular projections against which the rubberoid or other sheeting bears, while Fig. 3 is a perspective view of portion of a brick dwelling, showing an application of my invention to ventilating under the floor of a building. This illustration indicates but one example of the manner in which the present invention may be applied, and I do not in any way restrict myself thereto, as it will be obvious to builders and others versed in the art that various arrangements and dispositions of the novel combination herein set forth may be employed.

The bricks A are made of any suitable size and material and are formed on one side with regular parallel projections, as illustrated.

In the case of stretchers, Fig. 2, these projections consist of three or more equidistant flat transverse raised ribs B, two of said ribs being situate a little distance from the ends and the other or others with equal spaces between, and in the case of headers, Fig. 1, of two flat longitudinal raised ribs C, arranged a little distance from the edges and with a passage between.

The stretchers are arranged longitudinally and the headers transversely along the wall, with the metal or composite sheeting D against the projections, said sheeting affording an even seating therefor and keeping the air-passages clear of mortar, &c., besides having the advantages before expressed.

In order to more effectually bind the course of bricks adjacent to the sheeting, a thin course of mortar may be placed on the side of said sheeting farthest from the projections.

All stretchers or all headers may be used, according to taste, or they may be alternated or varied to form the Flemish bond or English bond in manner known.

It will thus be seen that with this invention a building with walls of a thickness of four inches and upward can be thoroughly ventilated in a neat and expeditious manner and through or in line with the mortar course, and not, as is generally done, through the bricks themselves.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

Improved means for ventilating brick buildings consisting of bricks formed on one face with regular parallel projections in combination with rubberoid or other sheeting bearing against said projections and maintaining air-passages substantially as set forth and illustrated.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

THOMAS DARLINGTON.

Witnesses:

EDWARD WATERS,
EDWARD WATERS, Jr.