

No. 710,226.

Patented Sept. 30, 1902.

G. VITTI.  
FIREPLACE.

(Application filed May 19, 1902.)

(No Model.)

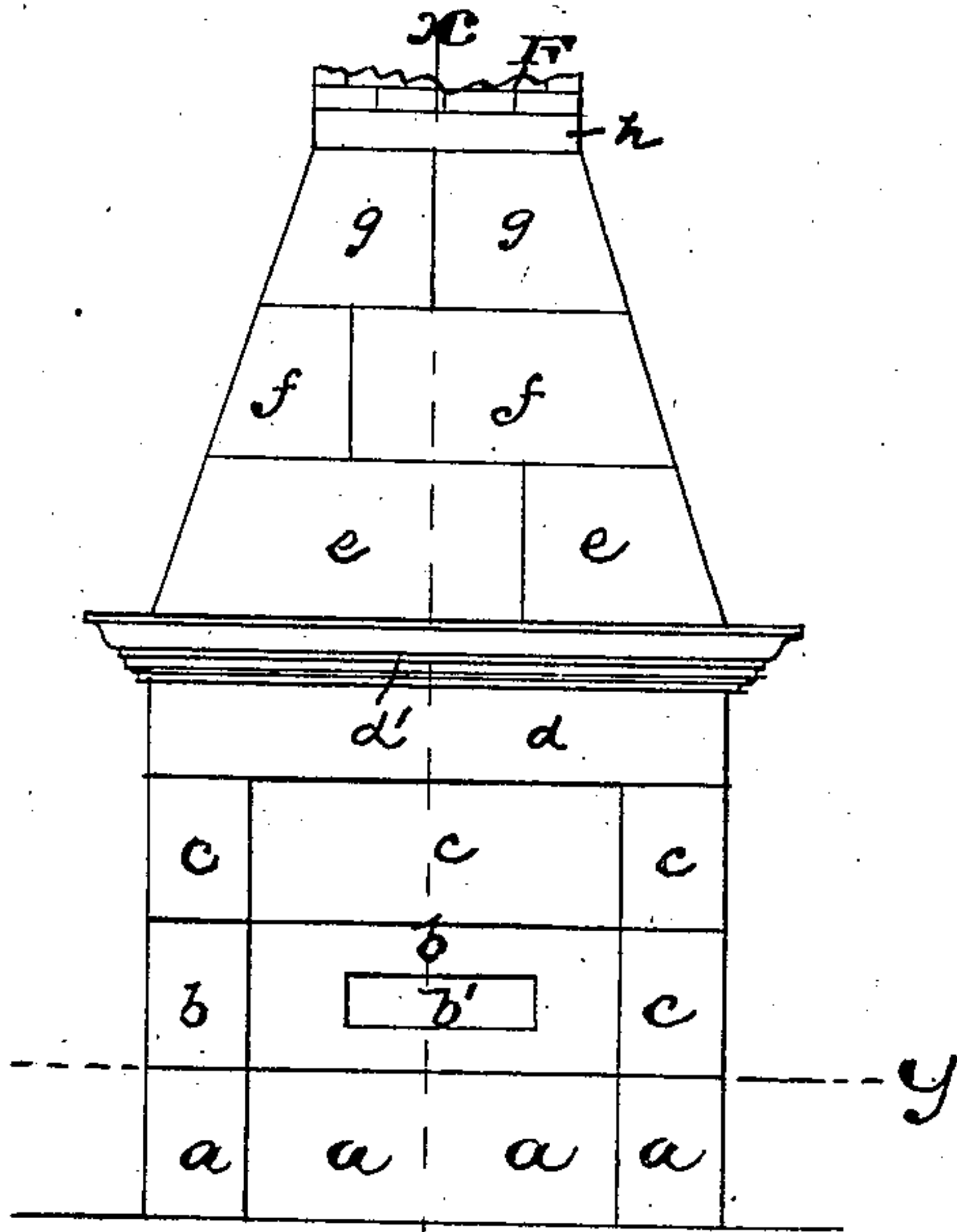


Fig. 1.

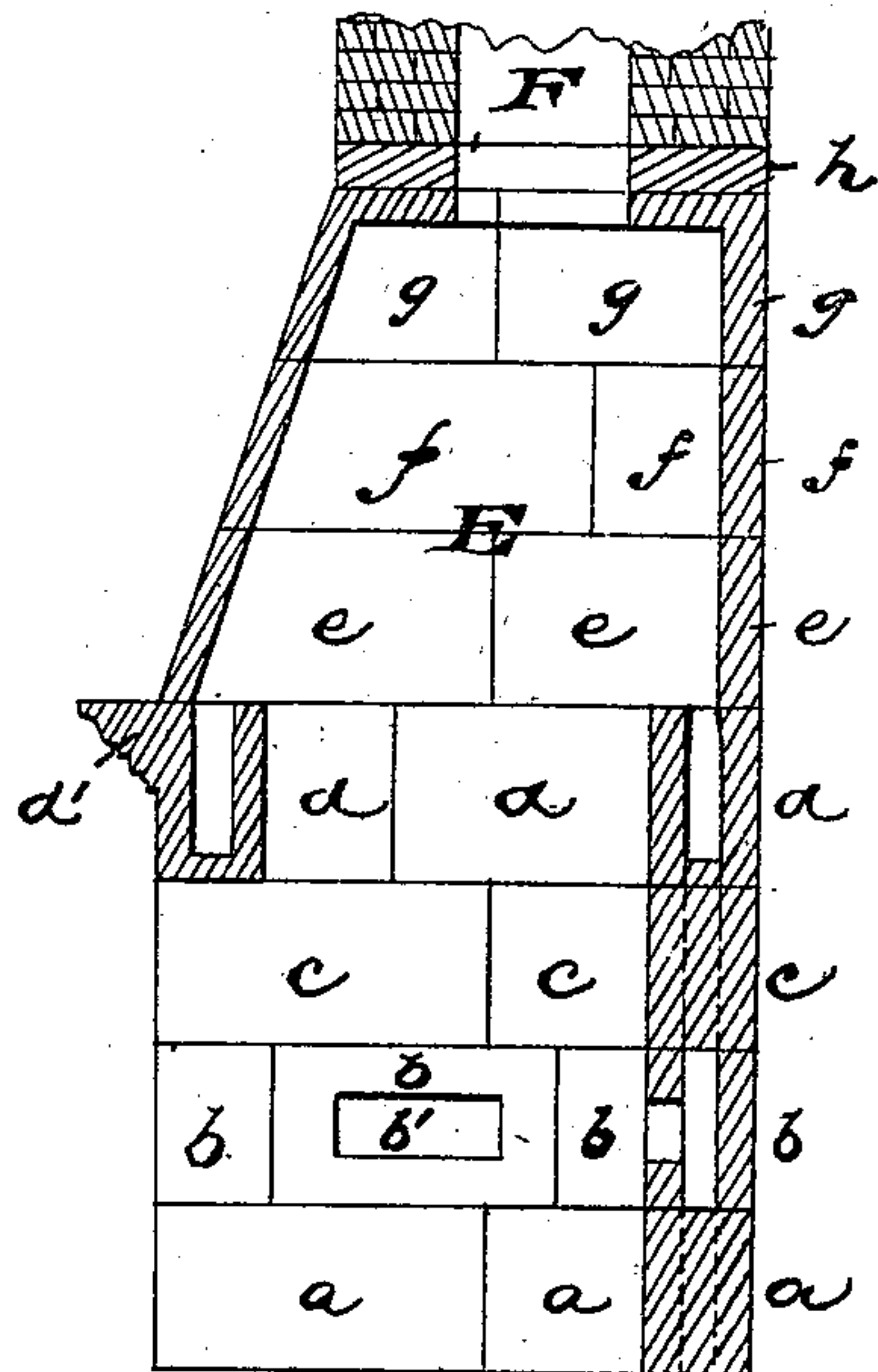


Fig. 2.

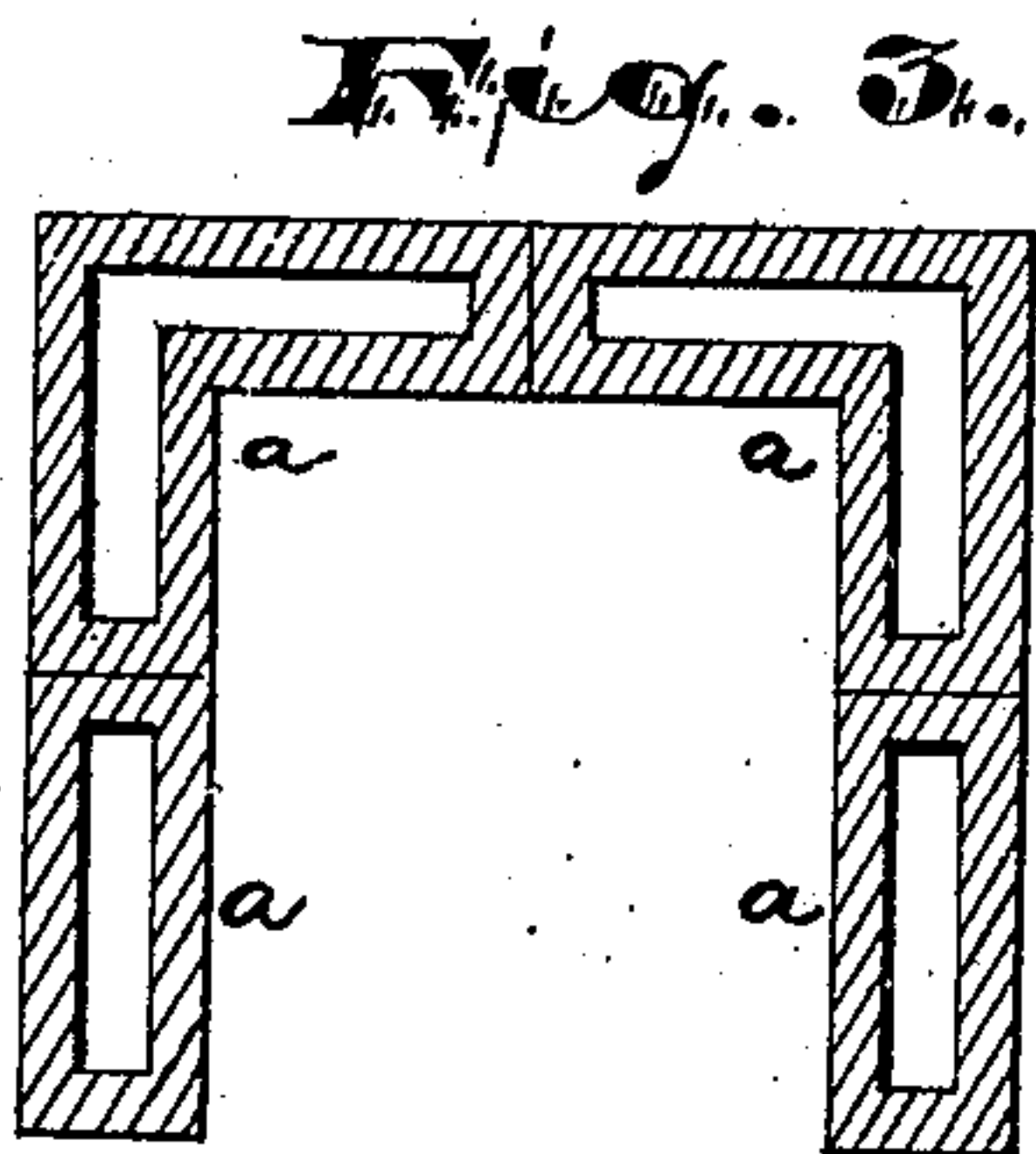


Fig. 3.

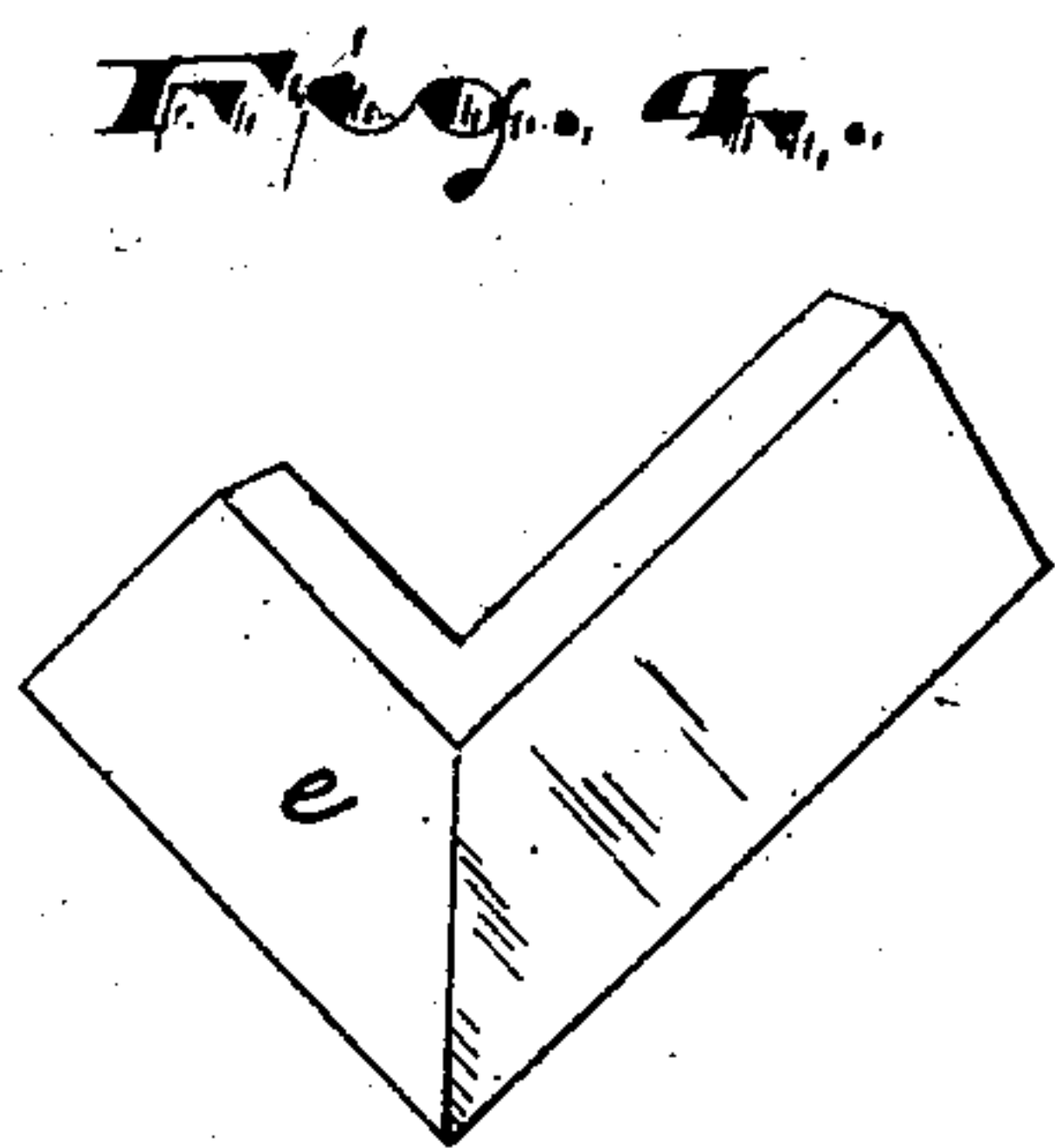


Fig. 4.

WITNESSES:

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INVENTOR:

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# UNITED STATES PATENT OFFICE.

GEORGE VITTI, OF MONTCLAIR, NEW JERSEY.

## FIREPLACE.

SPECIFICATION forming part of Letters Patent No. 710,226, dated September 30, 1902.

Application filed May 19, 1902. Serial No. 107,941. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE VITTI, a citizen of the United States, residing at Montclair, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Fireplaces; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to reduce the cost of constructing fireplaces and to enable the same to be made with but little skill in masonry, to construct an ornamental and effective fireplace, and to secure other advantages and results, some of which may be referred to hereinafter in connection with the description of the working parts.

The invention consists in the improved fireplace and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a front elevation of a fireplace of my novel construction. Fig. 2 is a section of the same, taken at line *x*. Fig. 3 is a section taken at line *y*, and Fig. 4 is a detail perspective view of one of the sections from which the fireplace is constructed.

In said drawings, *a a* indicate the bottom course of tiling, the individual tiles or sections of which are hollow, the rear tiles or sections being right angular, as shown in Fig. 3, the forward tiles being straight blocks. The tiles *b b b* of the next course are of similar construction, but vary in size, so that joints will be broken, and are provided with vent passages or openings *b'*, adapted when open to permit of a draft of air to be taken in from the open room and conducted up to the chimney. This vent-opening may be closed when the draft is necessary for the fire in any suitable manner. The vents may be employed in cleaning the soot from the tile-chambers. The third course of tile *c c c* is also of hollow sections, the chambers therein

coinciding with those below and above to form a continuous uppassage. The fourth course *d d d* are also hollow, particularly those at the sides and back, and the chambers therein preferably open into the inclosed chamber E at the base of the chimney-flue F. The front section, or sections, of this course is provided with an integral forward projection level on the top to form a shelf *d'*, said shelf extending horizontally across the fireplace as shown in Fig. 1. I prefer to form the front section of the tiles *d* in one as shown so that it will bridge or span the opening below with greater security and strength. The tiles *e f g*, above the course *d*, are preferably solid, the side and front tiles having beveled or inclined outer faces, and the top tiles *g* are made with three sides, the upper one being horizontal to provide a seat for the chimney-plate *h*, the last being a single plate with the flue perforation *h'* therethrough.

The parts being erected in the order described and properly joined together with mortar or cement, the brick chimney is built up from the plate *h* in any suitable manner.

I am aware that various modifications may be made from the construction shown in the drawings and specifically described without departing from the spirit or scope of the invention.

Having thus described the invention, what I claim as new is—

1. The improved fireplace comprising courses of hollow tile having vent-openings for ventilating the room, the upper course of hollow tile having a shelf integral with the forward section thereof, tiles *e, f, g*, with inclined outer surfaces, a plate *h*, seated, on the upper course *g, g*, of the last tiles on which the chimney may be built, substantially as set forth.

2. The improved fireplace comprising courses of tile, the lower courses of which are of hollow tile open to the room, and the upper courses of which have inclined outer faces converging at the top to receive a single top plate, said top plate having a flue-hole therethrough, substantially as set forth.

3. The improved fireplace herein described comprising lower courses of hollow tile, the chambers in the plurality of courses of which coincide to form a passage or flue and the



upper course of said lower courses forming a shelf, the passage or flue opening into the lower part of the fireplace and through the shelf course into the fireplace-chamber E, and  
5 upper courses above said shelf course forming said chamber E, said chamber having at the top a plate having a hole therethrough and adapted to support the chimney, whereby an exit is provided for both the smoke and

the vitiated air of the room issuing up from 10 said flue or passage, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of April, 1902.

GEORGE VITTI.

Witnesses:

CHARLES H. PELL,

C. B. PITNEY.