

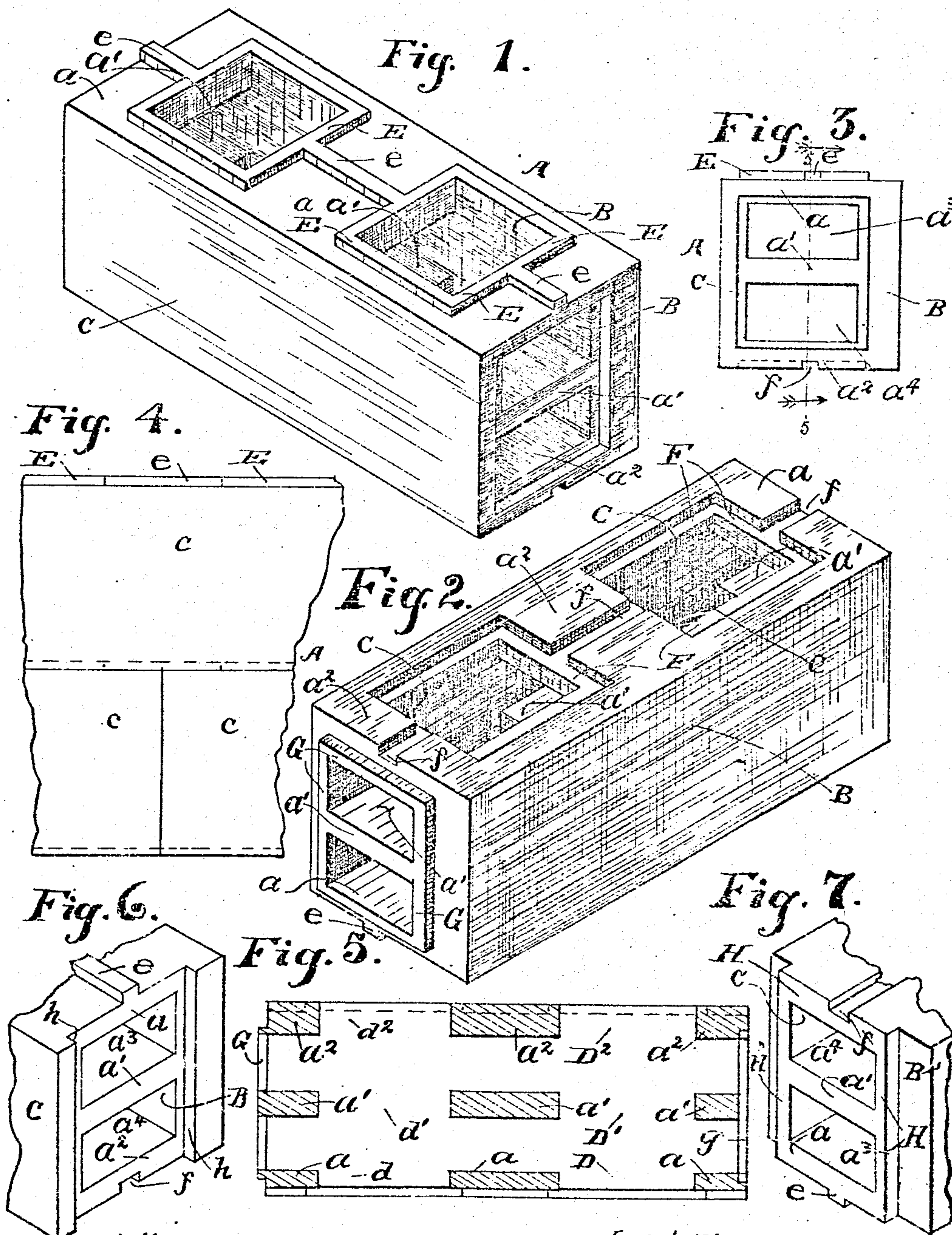
No. 786,884.

PATENTED APR. 11, 1905.

W. J. FAULKNER.  
BUILDING BLOCK.

APPLICATION FILED MAY 28, 1904.

2 SHEETS—SHEET 1.



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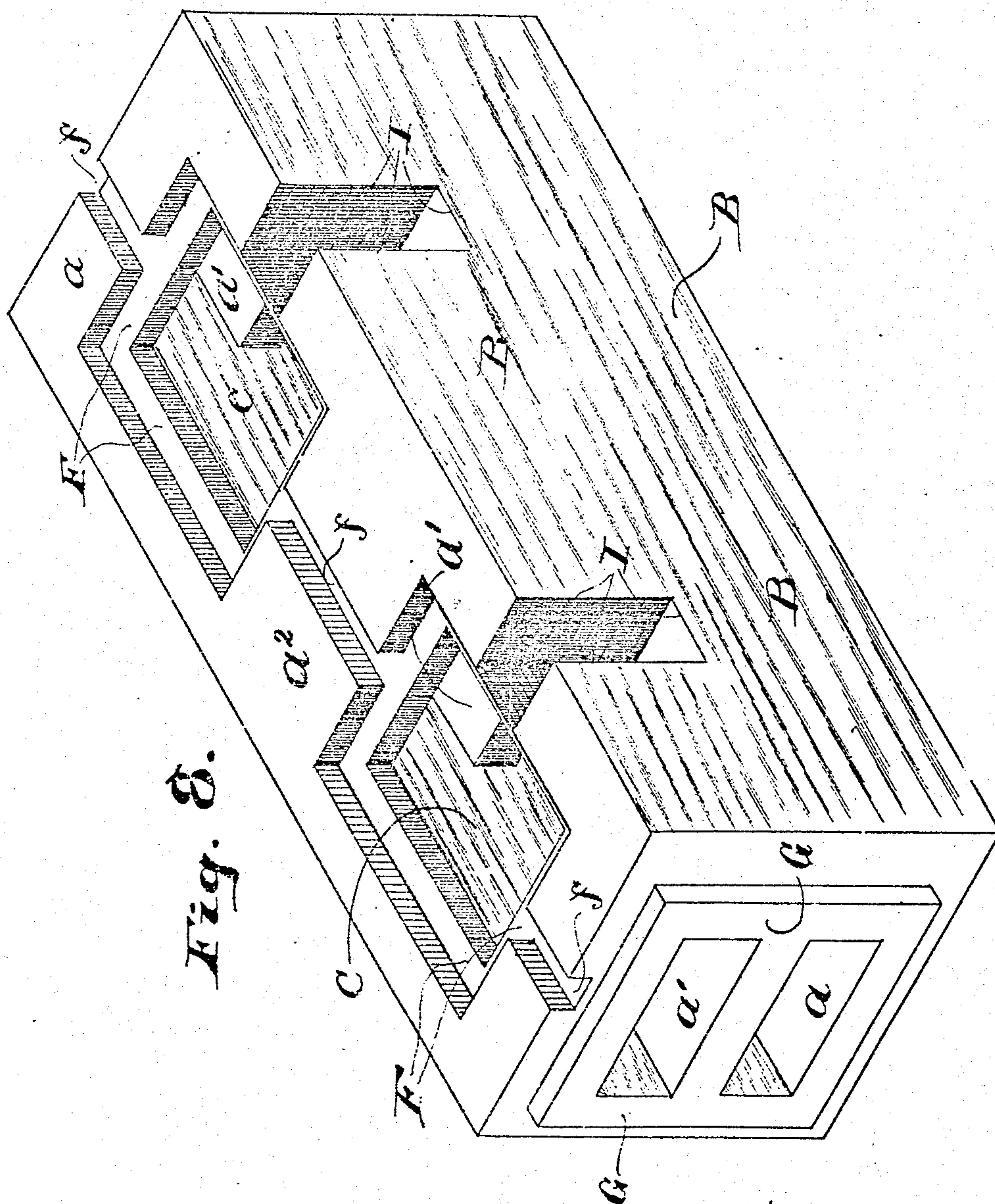
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2 SHEETS—SHEET 2.



to  
Fig.

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# UNITED STATES PATENT OFFICE.

WILLIAM J. FAULKNER, OF CHICAGO, ILLINOIS, ASSIGNOR TO ROBERT P. FAULKNER, OF CHICAGO, ILLINOIS.

## BUILDING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 786,884, dated April 11, 1905.

Application filed May 28, 1904. Serial No. 210,157.

*To all whom it may concern:*

Be it known that I, WILLIAM J. FAULKNER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Building-Blocks, of which the following, when taken in connection with the drawings accompanying and forming a part hereof, is a full and complete description, sufficient to enable those skilled in the art to which it pertains to understand, make, and use the same.

My present invention relates to blocks to be used for erecting buildings, walls, and other constructions.

One object of this invention is to obtain a building-block which is of a shape not liable to be broken or otherwise injured before the same is laid in a wall and also to obtain a building-block by the use of which strong and durable walls may be erected by persons not particularly skilled in the building of walls.

A further object of this invention is to obtain a building-block by means of which a hollow wall will be obtained, such hollow wall being provided with vertical and horizontal air-spaces or passage-ways therethrough; and a further object of the invention is to obtain a building-block which will be light in weight relative to the strength thereof.

In the drawings referred to as forming a part of this specification, Figure 1 is an isometric view of a building-block embodying this invention, such view showing one end, one side, and the top of the block. Fig. 2 is an isometric view of the building-block illustrated in Fig. 1, showing the end not shown in Fig. 1, the side not there shown, and the bottom of the block. Fig. 3 is an elevation of the end of the block which is shown in Fig. 1. Fig. 4 is an elevation of a small section of a wall built up from building-blocks embodying this invention. Fig. 5 is a vertical sectional view of the block embodying this invention on line 5 5 of Fig. 3 viewed in the direction indicated by arrows. Fig. 6 is a modification of one end of the block illustrated in Figs. 1, 2, 3, and 5, and Fig. 7 is a modification of the other end of the block

from the end shown in Fig. 6. Fig. 8 is an isometric view of a block embodying my invention provided with recesses for the reception of the ends of floor-joists.

A reference letter applied to designate a given part is used to indicate such part throughout the several figures of the drawings wherever the same appears.

A is a hollow block embodying this invention.  $a$  is the top of such block,  $a'$  is a horizontal tie-web midway of block A, and  $a''$  is the bottom of the block. B is the inner wall or side of the block, and C is the outer wall or side thereof. Horizontal passage-ways  $a'' a'$ , Fig. 3, are obtained by means of the several side walls and the horizontal connecting-webs last above described. Top  $a$ , bottom  $a''$ , and the horizontal midway web  $a'$  are respectively provided with apertures D  $d'$  D'  $d''$  D<sup>2</sup>  $d''^2$ . Series of horizontal and vertical passage-ways are thus obtained through the wall built up of blocks embodying this invention.

E E are raised ribs around apertures D  $d'$  of top  $a$ , and  $e e$  are connecting-ribs extending longitudinally along the block on such top  $a$ .

F F are rabbets around apertures D<sup>2</sup>  $d''^2$ , respectively, in bottom  $a''$ . The rabbets F F correspond with, to fit around, ribs E E on the top  $a$  of the block when such blocks are laid in a wall.

$f f$  are grooves.

G is a raised rib extending around the end of the block at one end thereof, and  $g$  is a rabbet corresponding with the rib G, extending around the other end of the block.

When the blocks are laid in a wall, the rib around one end of the block fits into the rabbet corresponding therewith around the end of the adjoining block which is adjacent thereto.

In the modification illustrated in Figs. 6 and 7 the raised rib at one end of the block corresponds with rib G, hereinbefore described, and is lettered H. Rib H extends from the top of the block to the bottom thereof.  $h$  is a rabbet at the opposite end of the block corresponding with rabbet  $g$ . Rabbet  $h$  fits over the



rib H when blocks embodying this modification are laid in a wall.

In laying a wall of blocks embodying this invention any suitable cementing material is used between the adjacent surfaces of the blocks, and the meeting ends of the blocks in one row are laid midway of the blocks of the row thereunder.

1, Fig. 8, indicate recesses, which may be made in the row of blocks adjacent to a floor to receive the ends of floor-joists.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is

1. In a building-block comprising sides, ends and a top and bottom, the top and bottom, respectively, provided with apertures there-through, a rib surrounding the apertures in the top and a rib surrounding the aperture in one end, and rabbets corresponding to such ribs, respectively around the apertures in the bottom and around the aperture in the other end; substantially as described.

2. A building-block, comprising sides, ends, a top and bottom and a horizontal intermediate web connecting the sides, such ends, the top, the bottom, and the horizontal web, respectively, provided with apertures there-through, a rib surrounding the apertures in the top, and a rib surrounding the apertures in one end, and rabbets corresponding to such ribs, respectively, around the apertures in the bottom and around the apertures in the other end; substantially as described.

3. A building-block comprising sides, ends, a top and a bottom, and a horizontal intermediate web connecting the sides, such ends, the top, the bottom, and the horizontal web, respectively, provided with apertures thereto, a rib surrounding the apertures in the top, a rib surrounding the apertures in one end, a rib extending longitudinally along the top of the block, the bottom provided with rabbets surrounding the apertures therein, the remaining end provided with rabbets to the apertures thereof, and the bottom provided with a longitudinally-extending groove therein, substantially as described.

4. A building-block comprising sides, ends, a top and a bottom and a horizontal intermediate web connecting the sides, such ends, the top, the bottom, and the horizontal web, respectively, provided with apertures there-through, a rib surrounding the apertures in the top, a rib surrounding the apertures in one end and a rib extending longitudinally along the top of the block, and the bottom provided with rabbets surrounding the apertures therein, the remaining end provided with rabbets to the apertures thereof, the bottom provided with a longitudinally-extending groove therein, and one of the sides provided with recesses to receive the ends of floor-joists; substantially as described.

WILLIAM J. FAULKNER.

In presence of

CHARLES TURNER BROWN,  
C. A. ADAMS.