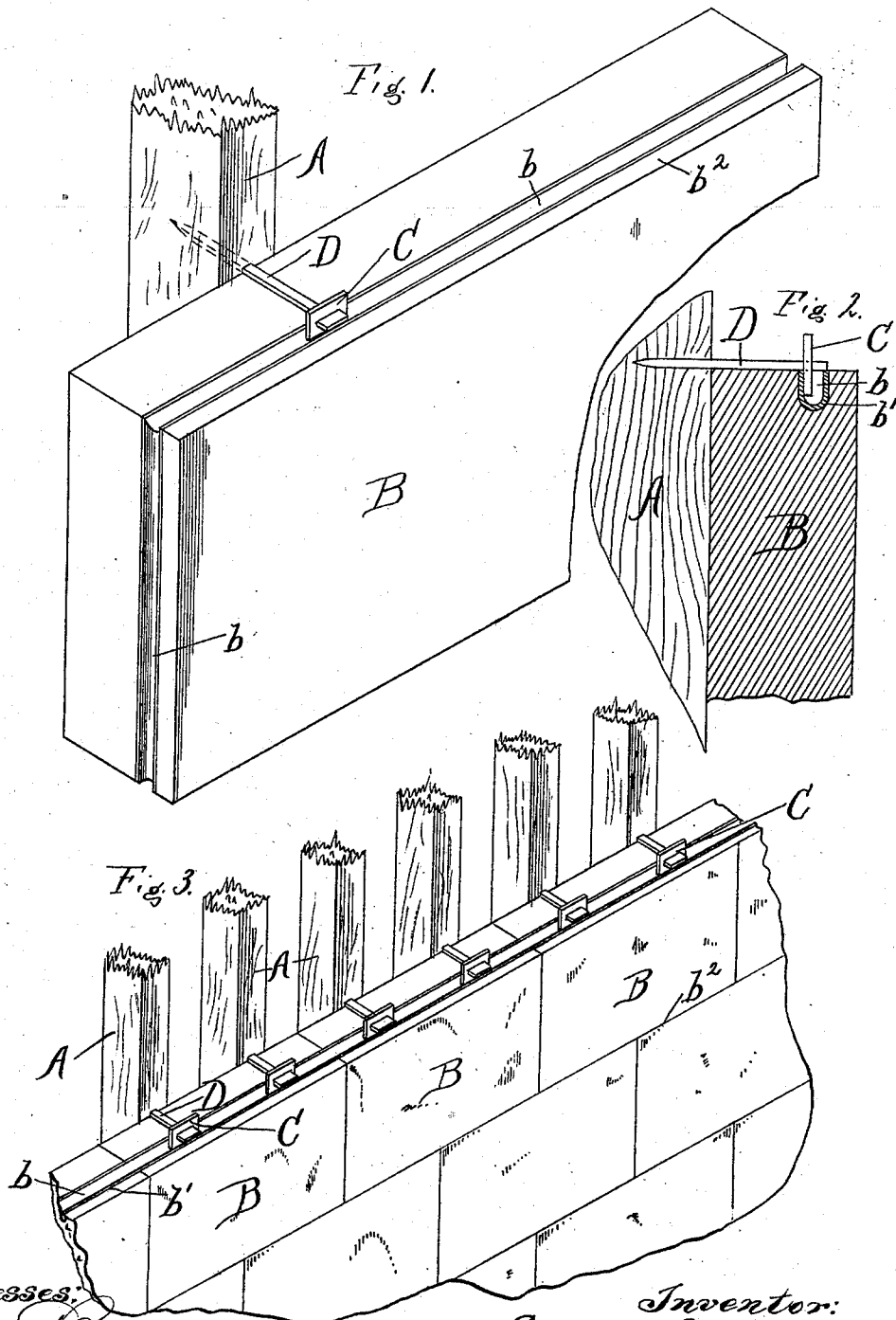


(No Model.)

E. SMITH.
BUILDING BLOCK.

No. 518,630.

Patented Apr. 24, 1894.



Witnesses:
Chas. Dymap
Florence King

Inventor:
Eugene Smith
By *Walter H. Chamberlin*
Att'y

UNITED STATES PATENT OFFICE.

EUGENE SMITH, OF CHICAGO, ILLINOIS.

BUILDING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 518,630, dated April 24, 1894.

Application filed April 18, 1893. Serial No. 470,803. (No model.)

To all whom it may concern:

Be it known that I, EUGENE SMITH, a citizen of the United States, residing at Chicago, county of Cook, State of Illinois, have invented a certain new and useful Improvement in Building-Blocks; and I 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates more particularly to a block or stone made up of cement or artificial stone, although it might also be employed in connection with natural stone of any kind.

My invention consists in the combination of devices and appliances hereinafter described and claimed.

In the drawings Figure 1 is a perspective view of one of my building blocks and the adjacent studding showing the manner of engaging the block to the studding. Fig. 2 is a cross section of the same. Fig. 3 is a perspective view of a wall showing the application of my building block.

In carrying out the invention A represents the studding of a frame wall. I would have it understood at this point that while I have shown herein my block applied to the upright studding of a frame wall, yet it is obvious that the block might be employed in connection with a wall that had been provided with clap-boards or other suitable finishing or it might be applied to a wall of masonry or of iron work. Therefore, while in this specification I speak of the studding as being the part to which the building block is engaged, yet by this term I mean to imply any frame work which it is desired to face with my building blocks.

B. is a building block made up of either cement, or as stated above of natural stone cut to the desired shape. Preferably it is rectangular in shape, perhaps two inches, more or less, in thickness. Around the edge is a groove b one half inch, more or less, in depth and located one half inch more or less from one edge. One or both faces of this groove are provided with a metal lining or facing b' . In attaching the block to the wall

the block is placed in position and a piece of thin metal, or washer, C dropped into the groove. This washer is provided with an opening c through which is passed a nail or other fastening device D. This nail is driven into the studding until its head bears against the washer C. The block may be held by as many nails as desired bound tightly against the studding and by thus engaging the block to the studding it is held absolutely from falling away from the same or from vertical displacement. The portion of the washer which projects above the face of the block enters the groove of the block above and the washer is therefore entirely concealed. A finish of plaster or cement may or may not be placed along the edge b^2 as desired. While I have shown a square washer C yet it is obvious that this washer might have any desired shape.

In building a masonry wall to the face of which the building block is to be attached, instead of nails there might be used any form of metallic link or connection, one end of which is embedded in the masonry of the wall while the other engages the groove b . Instead of the groove there might be provided small recesses in the edge of the block in which the engaging device might lie, but the groove is preferable because it then makes no difference where the studding or other parts of the wall to which it is desired to attach the engaging device is located, since the block can be engaged at any point around its edge.

What I claim is—

1. The combination with a wall or frame to be faced of a series of building blocks forming the facing thereof, each of said blocks provided around its entire edge with a groove and a fastening device adapted to engage said groove at any point and to engage also the wall or frame, substantially as described.

2. The combination with a wall or frame to be faced of a series of building blocks forming the facing thereof each of said blocks provided with a groove on its edge, a washer provided with an orifice, the face of the washer bearing against the face of the groove and a fastening device engaging the washer, and engaging also the wall or frame, the body of the fastening device lying between the two adjacent blocks, substantially as described.

3. The combination with a wall or frame to be faced of a series of building blocks forming the facing thereof, each of said blocks provided on its edge with a groove, one face
5 of said groove provided with a metallic lining and a fastening device, one end of said device engaging said lining and the other engaging the wall or frame, substantially as described.

10 4. The combination with a wall or frame to be faced of a series of building blocks forming the facing thereof, each of said blocks

provided on its edge with a groove, a substantially U shaped metallic lining piece in said groove and a fastening device one end of 15 which engages said lining, and the other end of which engages said wall or frame, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

EUGENE SMITH.

Witnesses:

W. H. CHAMBERLIN,
FLORENCE KING.