April 2, 1935. F. P. SIMPSON 1,996,658

BUILDING BLOCK

Filed Oct. 28, 1933

Fig. 1.

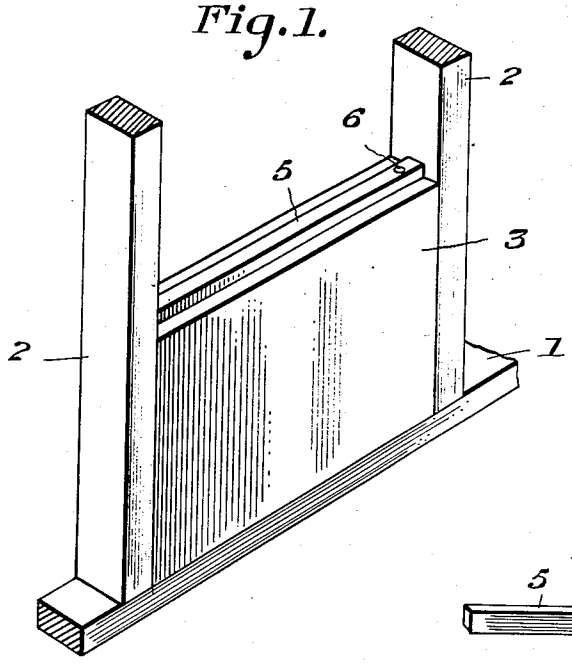



Fig. 4.

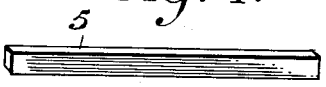



Fig. 2.

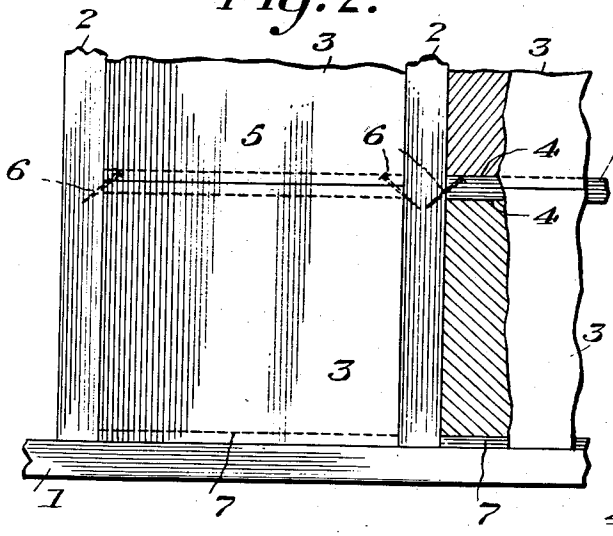
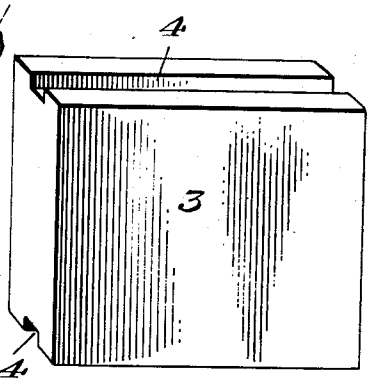



Fig. 3.




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Patented Apr. 2, 1935 1,996,658

# UNITED STATES PATENT OFFICE

1,996,658

## BUILDING BLOCK

Frederick P. Simpson, West New Brighton, N. Y.

Application October 28, 1933, Serial No. 695,675

1 Claim. (Cl. 72—37)

My invention relates to building construction and more particularly to improvements in wall construction for inside partitions for buildings.

The principal object of my invention is to provide a simple inexpensive means for filling in between the studding of a wall with a minimum of time and labor to form a wall of the same thickness as said studding.

Other and subordinate objects will presently appear when the following description and claim are read with reference to the drawing accompanying and forming a part of this specification.

In said drawing:

Fig. 1 is a perspective view illustrating a portion of a wall constructed in accordance with my invention.

Fig. 2 is a fragmentary side elevation with part shown in section.

Fig. 3 is a perspective view of a block or tile forming a part of my invention; and

Fig. 4 is a perspective view of a key member for use in connection with the block of Fig. 3.

Referring to the drawing by numeral, 1 designates a base stringer and 2 upright studs arising therefrom and spaced apart in the usual manner.

According to my invention the space between the studs 2 is built up by blocks or slabs 3, preferably rectangular in shape and superposed one upon another in edge to edge abutting relation, the lowermost block 3 seating on the stringer or base member 1. Preferably the blocks 3 are of a length corresponding to the distance between the studs 2 and of a thickness corresponding to the thickness of the studs 2, whereby the side faces of said blocks are flush with the sides of the studs.

Means are provided for retaining the blocks 3 in a common plane and securing them one to another and to the studs 2 as follows. The top and bottom edges of each block are grooved longitudinally as at 4, said grooves being preferably rectangular in cross section. A single transverse key member 6, also preferably rectangular in shape, extends between abutting edges of contiguous blocks and interlocks with the grooves 4 in said edges. The key member 5, as shown, is formed of wood or other similar material adapted to be secured by nails 6 to the studs, but it is to be understood that it may be formed of other material such as metal. The bottom edge of the lowermost block 3 is secured to the stringer 1 by a transverse key member 7 secured in any suitable manner to said stringer and studs 2 and interlocking with the slot 4 in the bottom edge of said lowermost block.

The blocks 3 may be formed of any suitable material which is fire-proof and presents a surface suitable for applying plaster against the same.

The foregoing constitutes a detailed description of a preferred embodiment of my invention, but it is to be understood that right is herein reserved to variations and modifications falling fairly within the scope of the protection prayed.

What is claimed is:

In a wall construction, in combination, a base member, spaced apart studs arising therefrom, substantially rectangular blocks between said studs superposed one upon the other in edge to edge abutting relation and of a length and thickness corresponding to the distance between said studs and the thickness of the latter respectively, said blocks having thruout their lengths longitudinal grooves in their upper and lower abutting edges, and a single transverse key member extending between abutting edges of each pair of contiguous blocks and interlocking with the grooves therein, the lengths of the keys being the same as the lengths of the blocks and means securing the keys to the inner faces of the studs.

FREDERICK P. SIMPSON.