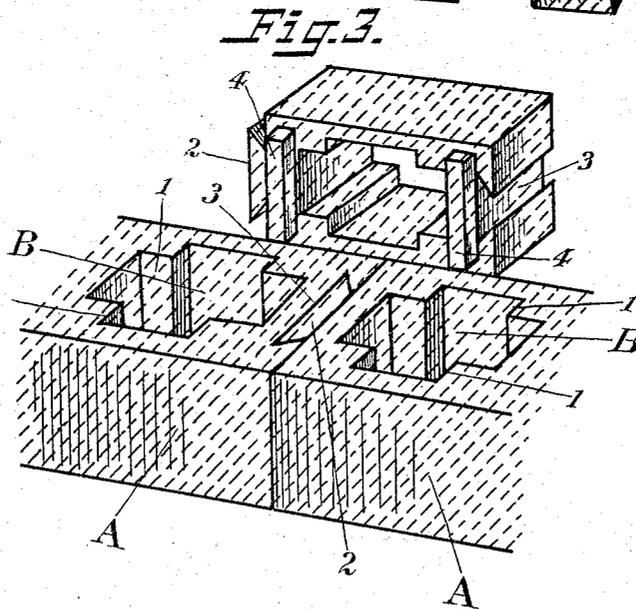
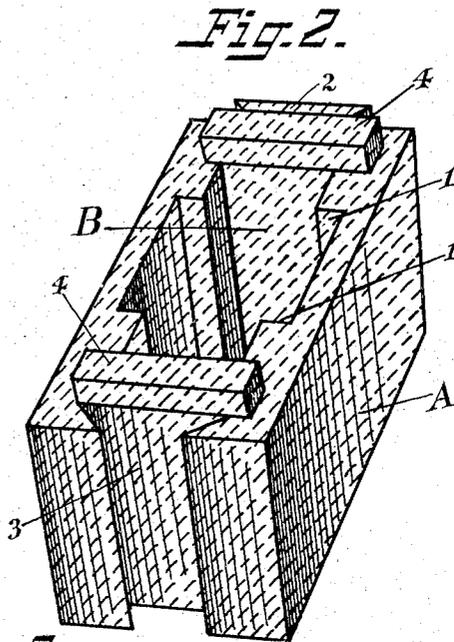
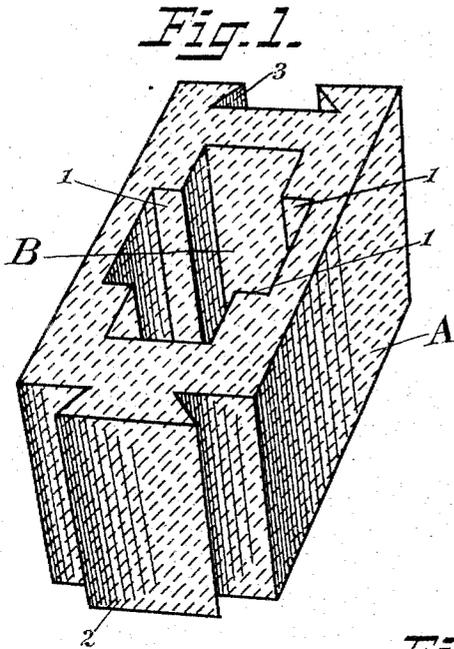


No. 868,838.

PATENTED OCT. 22, 1907.

H. S. BREWINGTON.
CONCRETE BUILDING BLOCK.
APPLICATION FILED DEC. 28, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY S. BREWINGTON, OF BALTIMORE, MARYLAND.

CONCRETE BUILDING-BLOCK.

No. 868,838.

Specification of Letters Patent.

Patented Oct. 22, 1907.

Application filed December 28, 1906. Serial No. 349,797.

To all whom it may concern:

Be it known that I, HENRY S. BREWINGTON, a citizen of the United States, residing at Baltimore city, State of Maryland, have invented certain new and useful Improvements in Concrete Building-Blocks, of which the following is a specification.

My invention relates to an improvement in concrete building blocks, the object being to provide a cheap, durable and effective building block, which can be quickly installed in the erection of buildings in the construction of which it is used, and by the use of a block as invented by me, a building of any character, if constructed of blocks of this description, is rendered as durable, safe and sound as any other in which this class of block is used in the construction thereof.

I do hereby declare the following to be a full, clear and exact description of the device as invented by me, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in certain other new and novel features of construction and combinations of parts, which will be hereinafter described and pointed out in the claims.

Referring to the accompanying drawings in which like letters and figures of reference indicate corresponding parts in each of the several views: Figure 1, is a perspective view of the block showing a top and end view. Fig. 2, is a perspective view of the same block, showing the bottom and the opposite end view. Fig. 3, is a perspective view of two blocks, showing the ends locked together, with a block above in position prior to being placed in position on the blocks.

A is a hollow block made of concrete, B indicating the hollow portion of the block, the interior of which is so constructed as to provide the four abutting corner walls 1, on one end of the block is provided a Maltese arm shaped extension 2, the opposite end of the block is cut away in such a manner that a similar shaped groove 3, is formed therein, into which is adapted to be fitted the extension 2 of a similar block.

4-4 are cross bars molded on the bottom of the block and are for the purpose of being fitted within the hollow portion B of a similar block flush against the abutting walls 1, of each respective block in the erection of a wall as shown by the position of the respective blocks in Fig. 3, in this manner a wall is constructed by the laying of a layer of the blocks, the ends of which are secured together by means of the Maltese cross-shaped extension being fitted into a similar shaped groove on the opposite end of a similar block by reason of the shape of the extension and the groove into which the extension is fitted, the ends of the blocks are securely held together without recourse to any other additional means, the next layer of blocks are placed upon the

first in the manner above described and in the manner indicated in Fig. 3, the cross bars 4-4 on the bottom of the block being fitted within the hollow position of the similar block below it as has been hereinbefore above described, between the blocks in the construction for any purpose of which they are intended is of course spread the usual layer of mortar or cement, such as is used in the construction of a brick or similar wall.

It will thus be seen that I have provided a block which can be cheaply manufactured, the use in the construction of which it is applicable being simple and effective.

Slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, hence I do not desire to limit myself to the exact construction as herein set forth, but,

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

1. The combination of a hollow concrete building block, comprising a Maltese cross-arm shaped extension on one end thereof and a similar shaped groove in the opposite end, of transverse cross bars on the bottom side of the said block near each respective end portion, and adapted to fit into the hollow portions of two adjacent blocks when placed on top thereof, thereby relieving the strain on the locking device on the ends of the two said under blocks, substantially as described.

2. The combination of a hollow concrete building block comprising a Maltese cross-arm shaped extension on one end thereof, and a similar shaped groove in the opposite end, of four abutting corner walls formed within the hollow portion, transverse cross bars molded on the bottom side of the said block near each respective end portion thereof, and adapted to fit into the hollow portions of two adjacent blocks flush against the abutting walls formed within each of the two said blocks when one block is placed on top of the two said blocks, thereby relieving the strain on the locking device on the ends of the under blocks, substantially as described.

3. The combination of a hollow concrete building block comprising a Maltese cross-arm shaped extension on one end thereof, and a similar groove formed in the opposite end, of four abutting corner walls formed within the hollow portion, transverse cross bars molded on the bottom side of the said block near the respective end portions thereof, the said transverse cross bars of one block adapted to fit into the hollow portions of two similar blocks flush against the abutting walls thereof when one block is fitted on top of two adjacent blocks, the ends of which having been secured together by the said extension and groove on the respective ends thereof, thereby relieving the strain on the locking device on the said ends, the abutting walls forming an air chamber sufficient to afford circulation, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY S. BREWINGTON.

Witnesses:

MARY M. MAGEAW,
KATHERINE M. MARMION.