

No. 868,411.

PATENTED OCT. 15, 1907.

J. CILEK.

BUILDING BLOCK.

APPLICATION FILED NOV. 11, 1905.

Fig. 1.

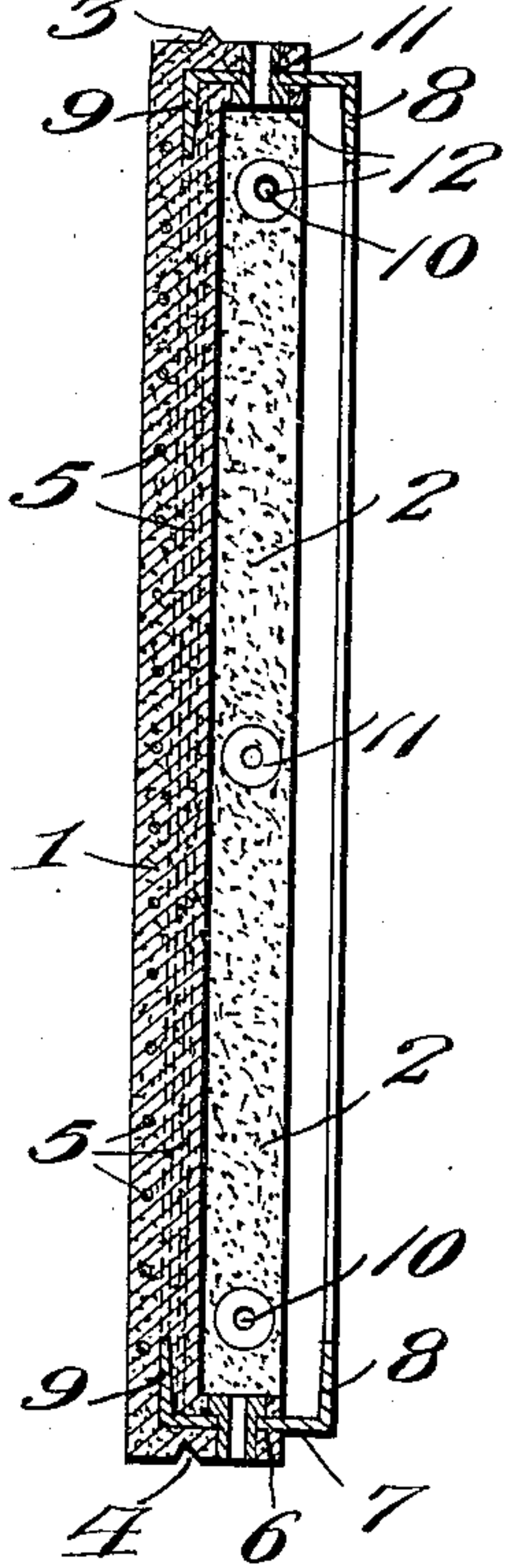


Fig. 2.

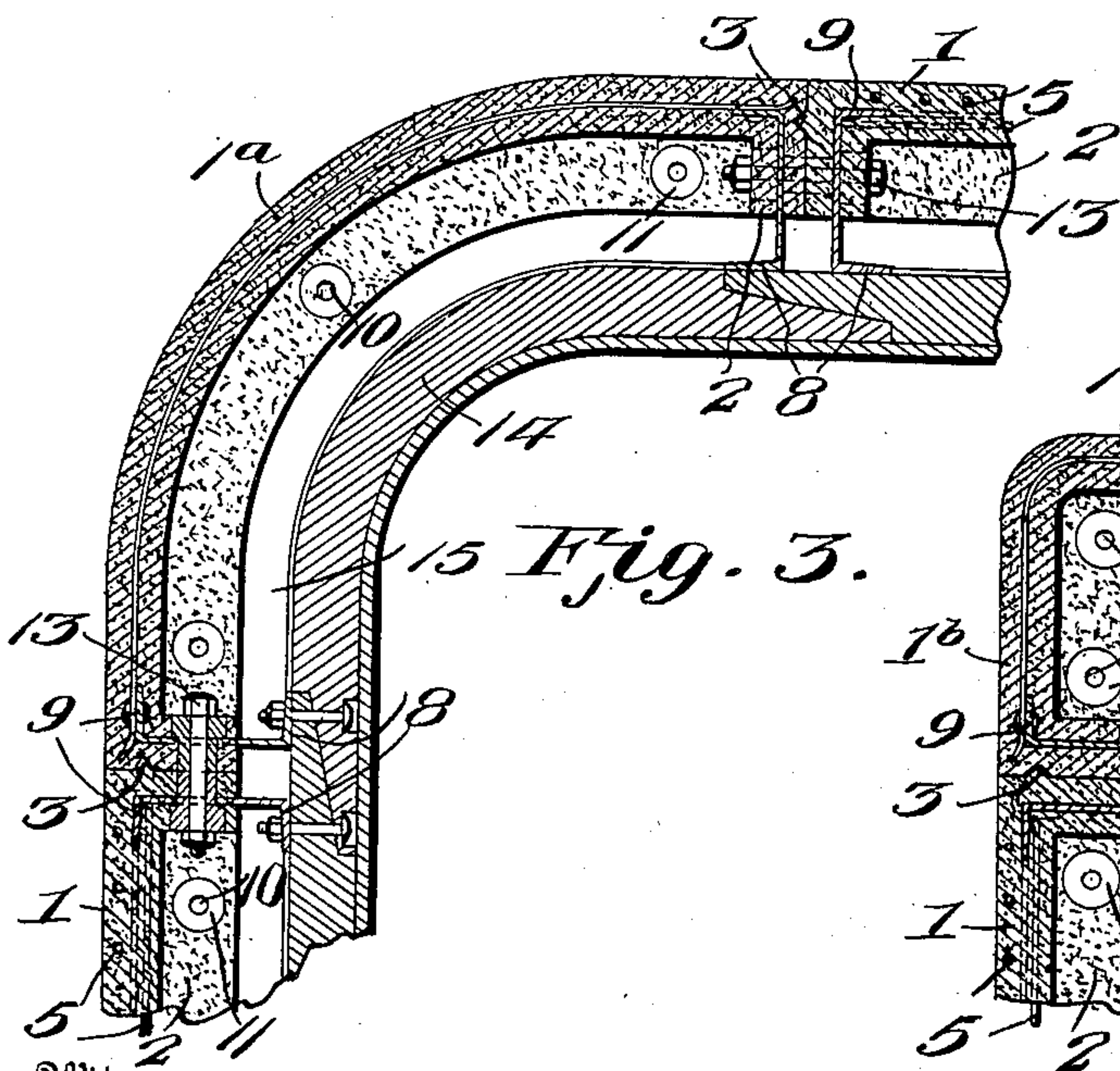
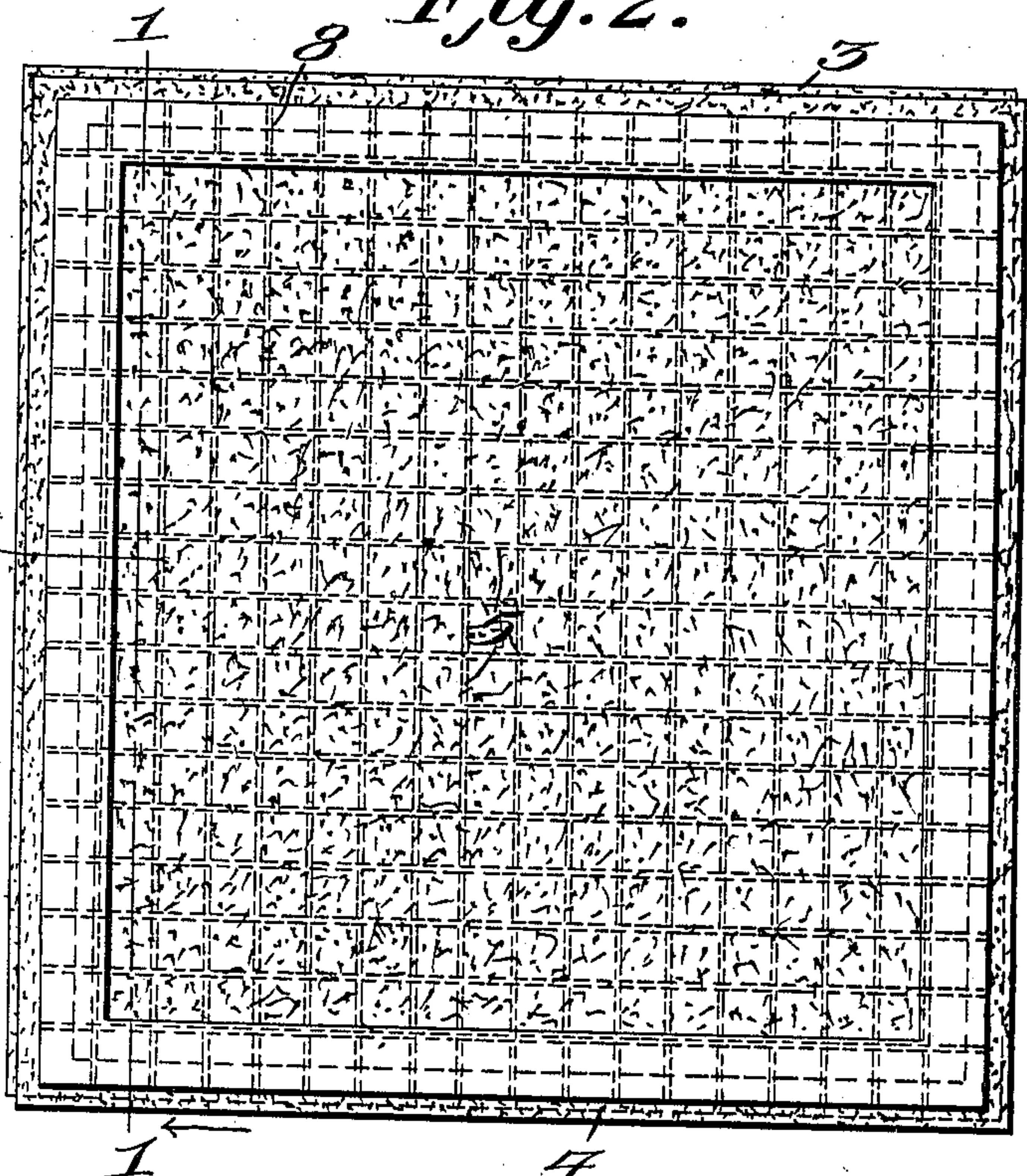
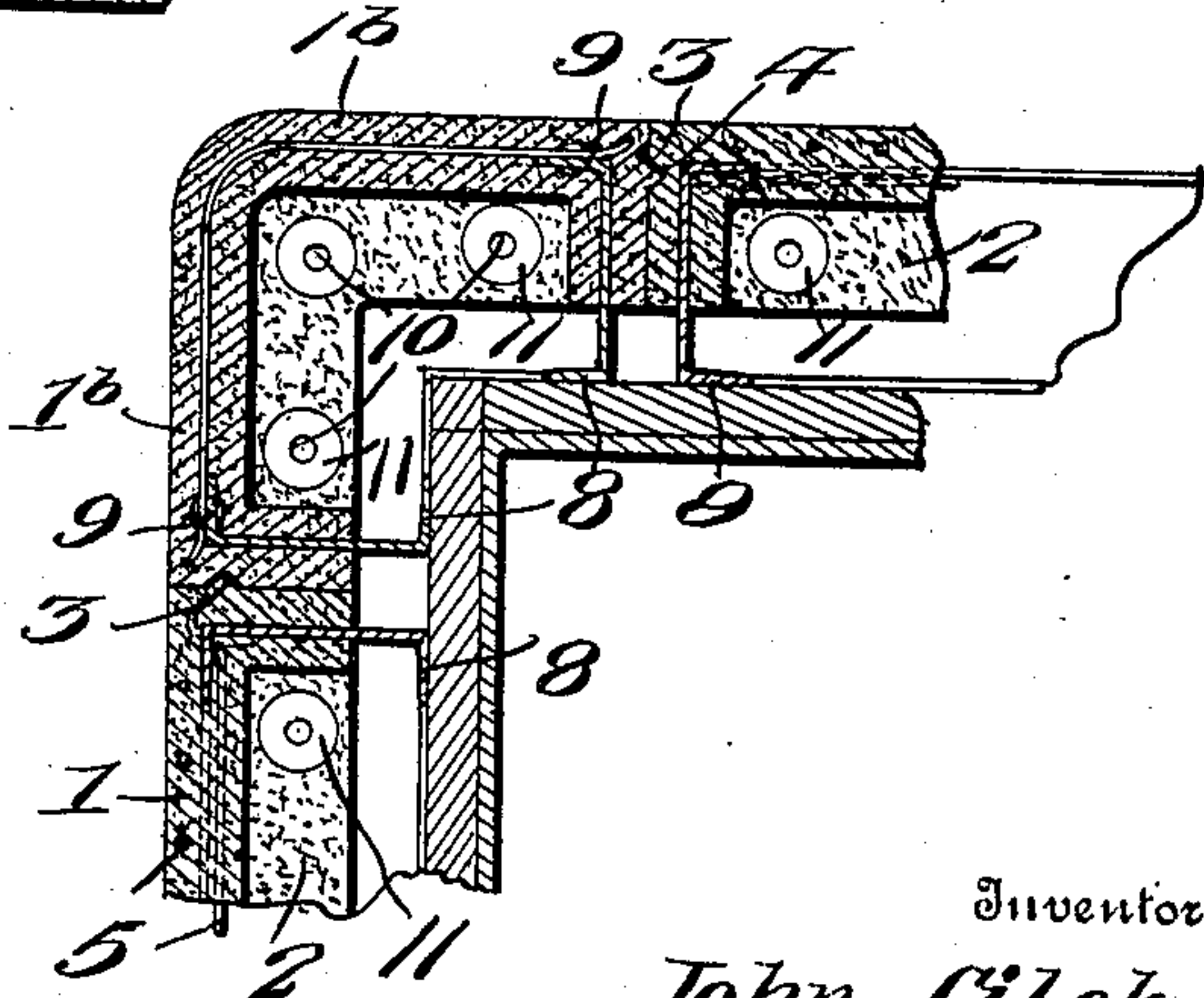


Fig. 4.



Witnesses

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BUILDING-BLOCK.

No. 868,411.

Specification of Letters Patent.

Patented Oct. 15, 1907.

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To all whom it may concern:

Be it known that I, JOHN CILEK, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented
5 new and useful Improvements in Building-Blocks, of which the following is a specification.

This invention relates to building blocks or members of the type employed in the erection of fire-proof buildings, and has for its objects to produce a comparatively simple, inexpensive device of this character
10 which will be exceedingly strong and durable, one which provides for the ready connection of the blocks in the erection of the structure, and one wherein the blocks when assembled will be firmly and securely
15 united.

A further object of the invention is to provide a block of this type which in the erection of a building, will obviate the use of a frame-work and provide for the ready attachment of the inner facing material, and
20 one which permits of the blocks composing a wall being readily disconnected in the prosecution of repairs, additions to the building and like changes.

With these and other objects in view, the invention comprises the novel features of construction and combination of parts more fully hereinafter described.
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In the accompanying drawings: Figure 1 is a section through a block embodying the invention and taken on the line 1—1 of Fig. 2. Fig. 2 is an inner face view of the block. Fig. 3 is a sectional view of a portion of
30 a wall composed of blocks embodying the invention and illustrating the manner of forming a block to produce a rounded corner in the structure. Fig. 4 is a similar view showing a slightly modified form of corner block.

Referring to the drawings, 1 designates a block molded or otherwise formed from cement or plastic material and having a laterally projecting marginal flange 2, there being formed on two of the edges of the block V-shaped ribs 3 designed to fit into and for interlocking engagement with V-shaped grooves 4 formed in the remaining edges of the block.
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Embedded in the body portion of the block 1 is a series of intersecting strengthening elements or wires 5, while embedded in the flange 2 is a sheet metal strengthening member or plate 6 of channel iron form which projects as at 7 beyond the edge of the flange and is provided at its outer end with an intumed bearing portion or flange 8 and at its inner end with an intumed engaging portion or flange 9 embedded in the
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body of the block, there being formed at suitably spaced intervals in the flange 2 transverse openings or perforations 10 in which are embedded metal protecting sleeves or thimbles 11 having terminal heads or enlargements 12 by which they are retained in place.

In practice, when the building members or blocks are assembled in the form of a building the ribs 3 on one block seat within the grooves 4 of the next adjacent block, thus producing a secure interlock and a tight joint between the assembled blocks, which are connected by means of bolts or other suitable connecting members 13 passing through the openings 10 in the flanges 2, while the projecting portions 7 of the strengthening frame 6 serve to space the blocks from the inner facing material 14 on which bearing portions or flanges 8 seat, thus providing suitable air spaces 15 in the structure. The inner facing material 14 is secured by bolts 15' to the flanges 8.
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In Figs. 3 and 4 there are illustrated different forms of corner blocks, the former of which shows a corner block 1^a adapted for producing a long, sweeping curve in the wall, such as would be necessary in the formation of a bay window, while the latter shows a corner block 1^b shaped to form a sharp curve as in a structure having rounded corners.
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From the foregoing it is apparent that I produce a simple device admirably adapted for the attainment of the ends in view, it being understood that in attaining these ends minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.
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Having thus fully described my invention, what I claim as new is:

1. A building block comprising a molded body having marginal flanges extending from the rear side, channel irons embedded in the body and flanges and extending beyond the latter, the projecting portions of the said irons serving to space the building block from the inner portion of the wall of the building and to receive connecting means for securing the block to the said inner portion of the wall.
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2. A building block comprising a molded body having marginal rearwardly extending flanges, channel irons embedded in the flanges and extending therefrom, an open-work reinforce embedded in the body of the block, and metal sleeves extending through the flanges and webs of the channel irons.
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In testimony whereof, I affix my signature in presence of two witnesses.

JOHN CILEK.

Witnesses:

F. A. MANSFIELD,
VERNA A. TALBERT.