

No. 832,074.

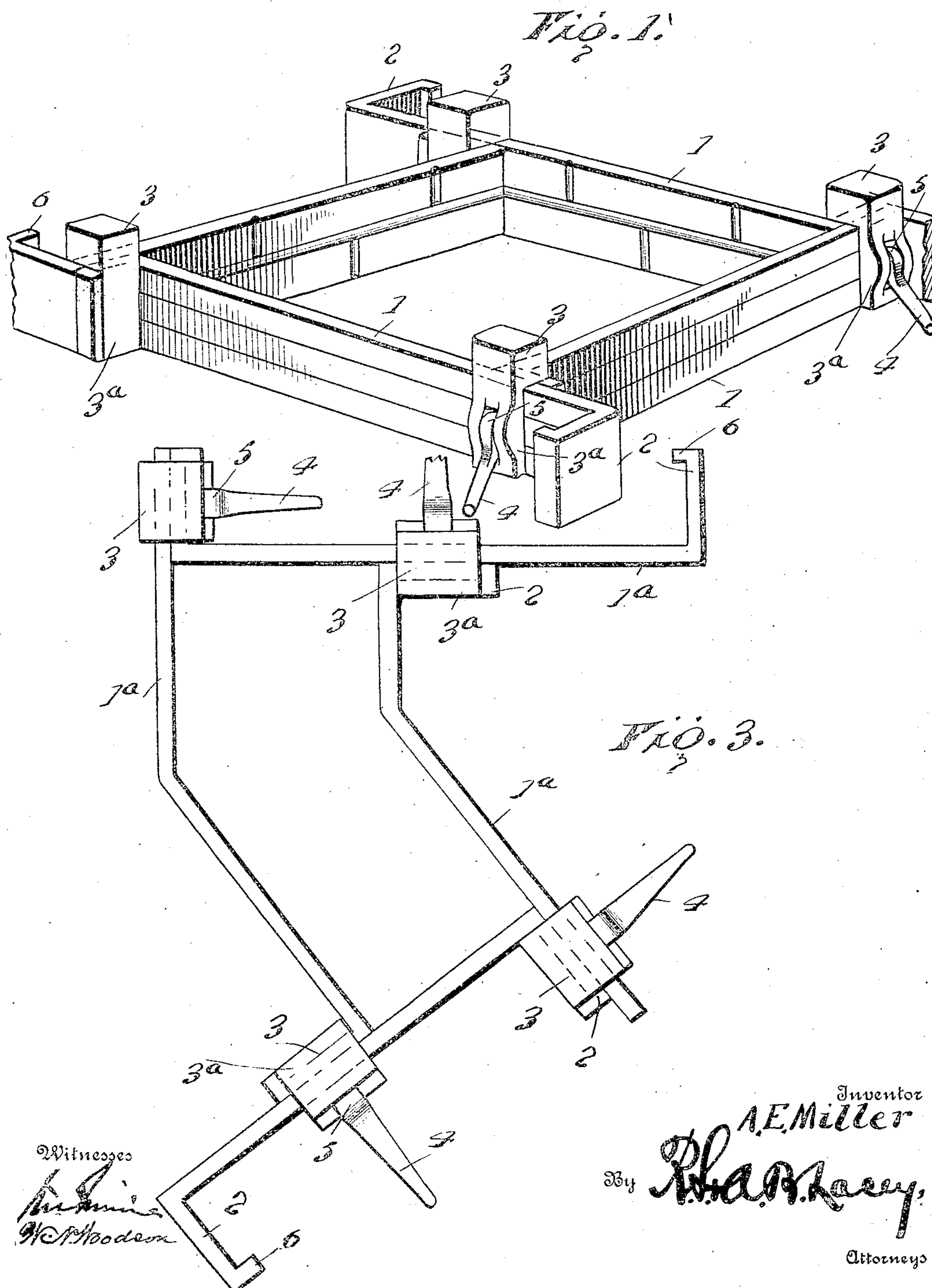
PATENTED OCT. 2, 1906.

A. E. MILLER.

MOLD.

APPLICATION FILED MAY 21, 1906.

2 SHEETS—SHEET 1.



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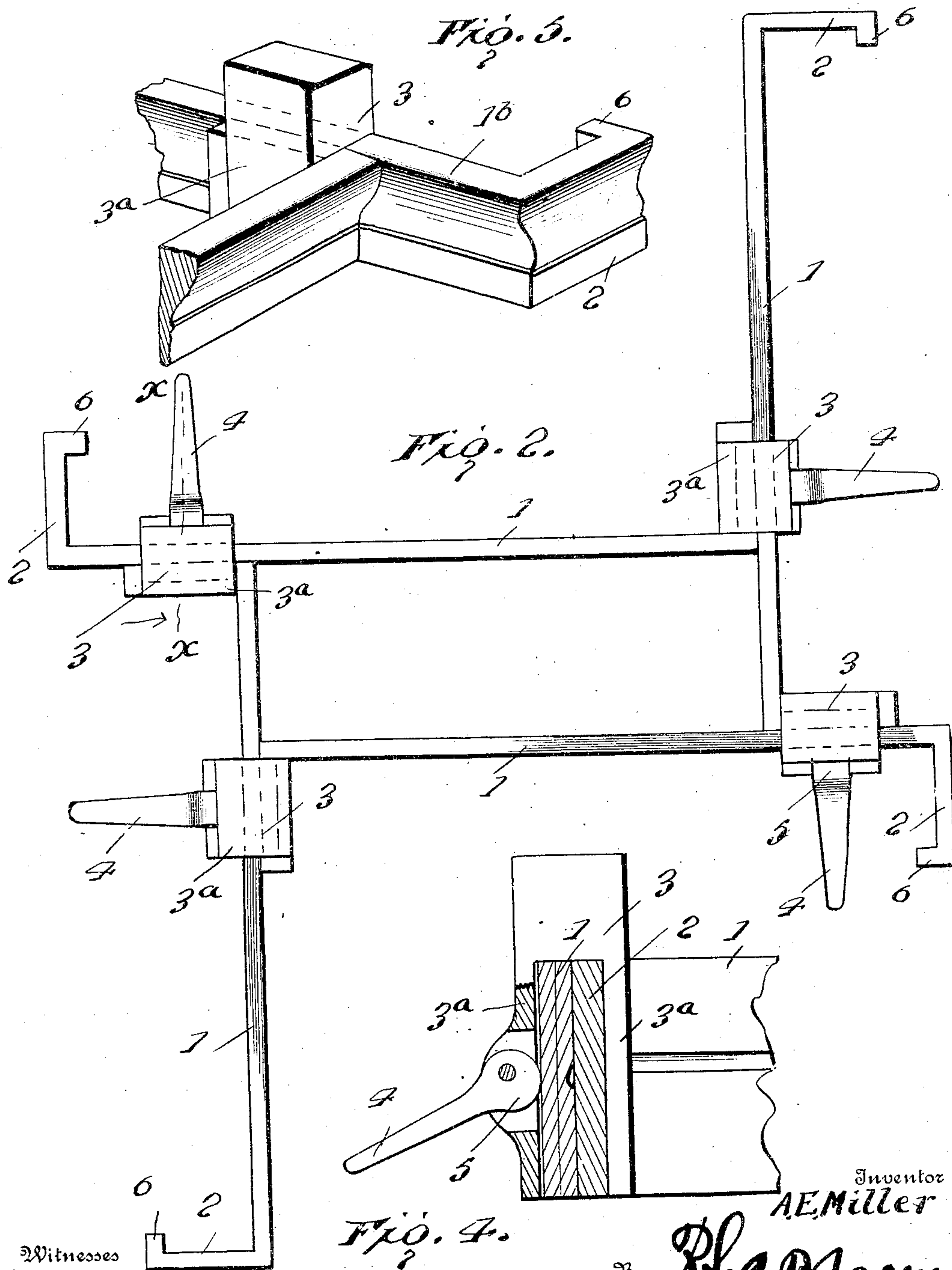
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Witnesses

John Miller
W. R. Woodson

Fig. 4.

By

Ph. A. Mary

Attorneys

Inventor
A. E. Miller

UNITED STATES PATENT OFFICE.

ALFRED E. MILLER, OF PITTSFIELD, ILLINOIS.

MOLD.

No. 832,074.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed May 21, 1906. Serial No. 318,064.

To all whom it may concern:

Be it known that I, ALFRED E. MILLER, a citizen of the United States, residing at Pittsfield, in the county of Pike and State of Illinois, have invented certain new and useful Improvements in Molds, of which the following is a specification.

This invention comprises a novel and improved form of mold for making building-blocks of plastic material, concrete, cement, or the like.

The invention resides primarily in the peculiar construction of the mold parts whereby the same may be adjusted so as to form blocks of different sizes and shapes and whereby adjustment may be very quickly facilitated.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of a mold embodying the invention. Fig. 2 is a top plan view showing a different arrangement of the parts to illustrate the adjustment of which the invention is susceptible. Fig. 3 is a view similar to Fig. 2, showing a mold constructed particularly for making angular-shaped blocks. Fig. 4 is a vertical section on the line X X of Fig. 2, bringing out more clearly the arrangement of the clamp by which the sides of the mold are attached together. Fig. 5 is a broken perspective view showing a modification of the invention, wherein a side of the mold is constructed to form an ornamental block commonly used for building purposes.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Specifically describing the invention and referring to the drawings, the numeral 1 denotes the sides of the mold, which will be used in connection with the customary pallet. The sides 1 are separate from one another and are peculiarly formed in order to comprise a mold possessing the desired amount of rigidity and yet adjustable in various ways to accommodate for the formation of blocks in the manner hereinbefore premised. It is contemplated that the inner faces of the sides 1 may be formed in any suitable way to provide an ornamental surface to

the sides of the block molded in the device. Each side 1 is of similar form, being provided at its ends with lateral extensions 2, which project approximately at a right angle thereto. The lateral extensions of each side 1 are adapted under certain adjustment of the parts of the mold to abut with the body portions of the sides. In actual use under all conditions of service one extension 2 of each side 1 is normally in abutment with the body portion of an adjacent side and is attached thereto by suitable means, such as a clamp 3. The clamps 3 are of any approved type and preferably consist of spaced sides 3^a, one of the sides having a cam-lever 4 applied thereto. The lever 4 is pivoted between its ends to the side of the clamp upon which it is mounted, and the innermost end of the lever is formed with a cam 5, arranged to engage either the extension 2 or the body portion of a side 1 of the mold. The application of the clamps 3 will be evident by reference to the drawings, and said clamps are adapted to very firmly clamp an extension 2 to one side 1 of the mold to the body portion of an adjacent side. Furthermore, it will be apparent that by loosening the clamp on operation of the levers 4 the sides 1 may be moved slidably with reference to one another without removal of the clamps, so as to either increase or decrease the size of the mold. An adjustment of the sides to decrease the size of the mold is illustrated in Fig. 2. Each of the extensions 2 is preferably formed at its outermost end with a rib or flange 6, which is adapted to position the clamp 3, engaged with the extension, and prevent accidental disengagement of the clamp on movement of the sides 1 in adjusting the same.

Fig. 3 of the drawings illustrates a modification of the invention, in which the sides 1 or certain of said sides (indicated 1^a) are of angular form to admit of formation of blocks of angular shape, such being desirable for use when constructing bodies of angular shape, such as chimneys or the like.

As shown in Fig. 5, it is contemplated in the scope of the invention that a side or sides 1^b in the illustration may be formed with an inner ornamental surface shaped like a molding or of any similar form, so as to give the block which is molded in the device an ornamental configuration. The extension of the side which abuts with the ornamentally-formed side 1^b in Fig. 5 will of course be provided with an abutting surface conforming

with the ornamental surface of such side; otherwise the parts would be substantially as hereinbefore described.

Having thus described the invention, what
5 is claimed as new is—

In a mold, the combination of a plurality of sides, lateral extensions projecting from opposite ends of each side, one of the extensions of one side being adapted to abut with
10 the body portion of an adjacent side when the parts are in operative positions, and

clamps securing the extensions of the sides to the body portions of the sides as hereinbefore set forth, each extension of the sides being formed at its outer end with a rib or flange 15 for the purpose specified.

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

ALFRED E. MILLER. [L. s.]

Witnesses:

J. A. ST. JOHN,

R. M. WORTHINGTON.