

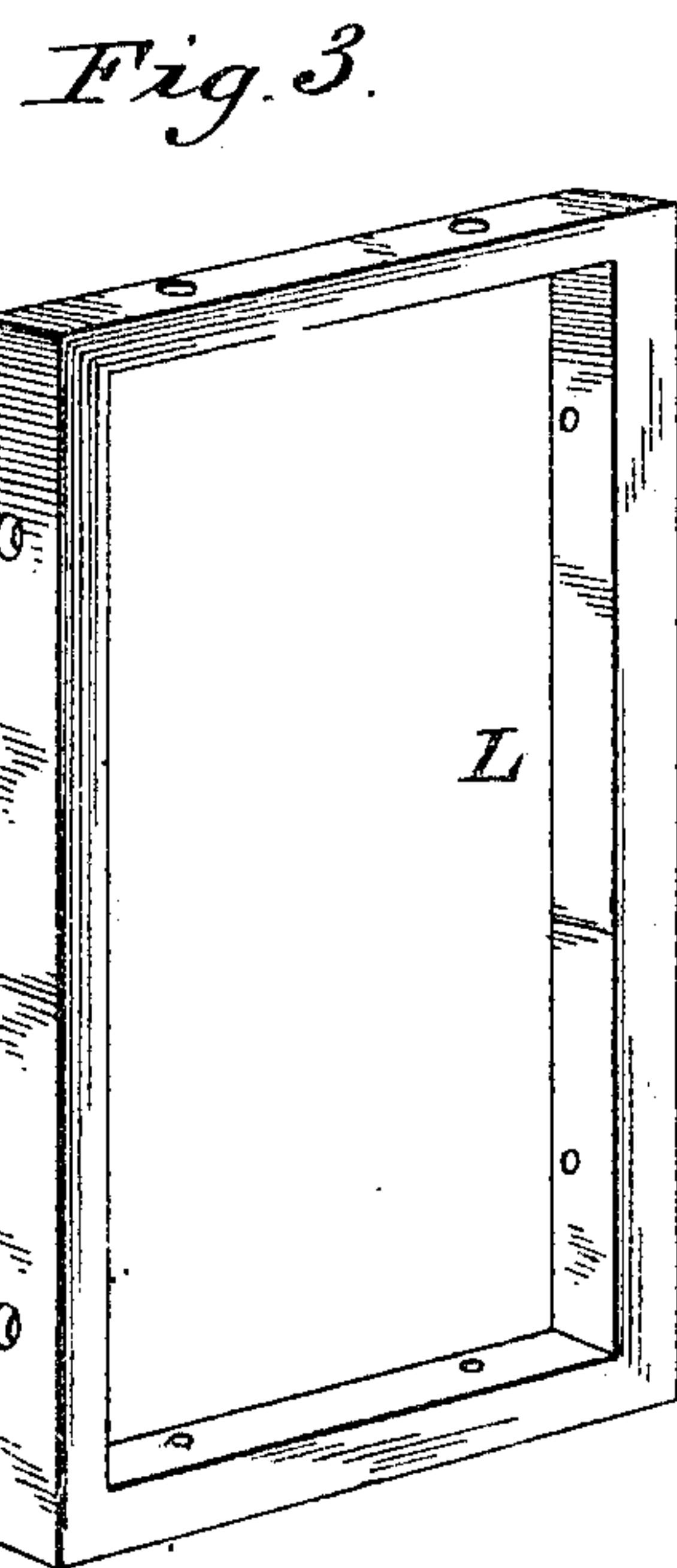
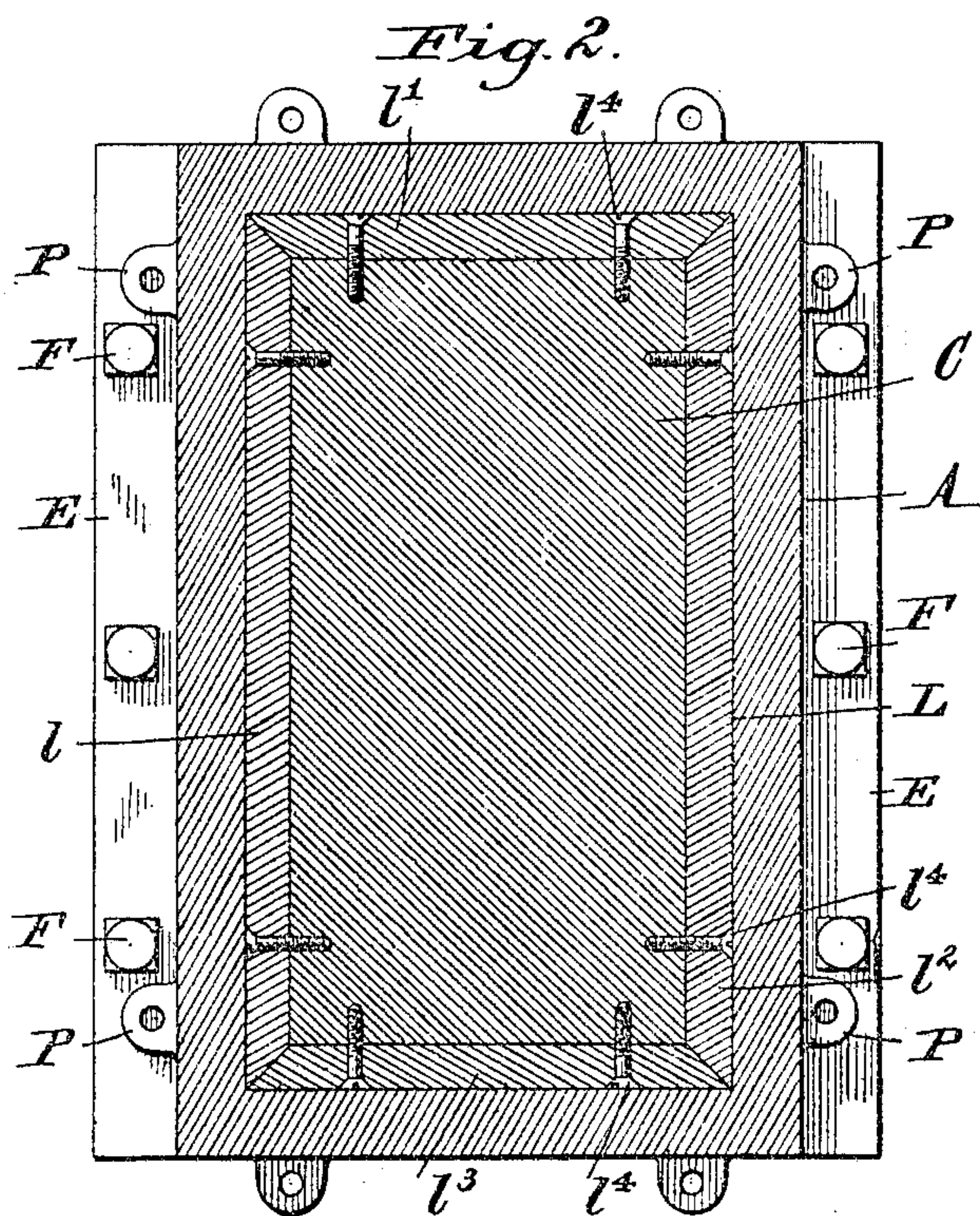
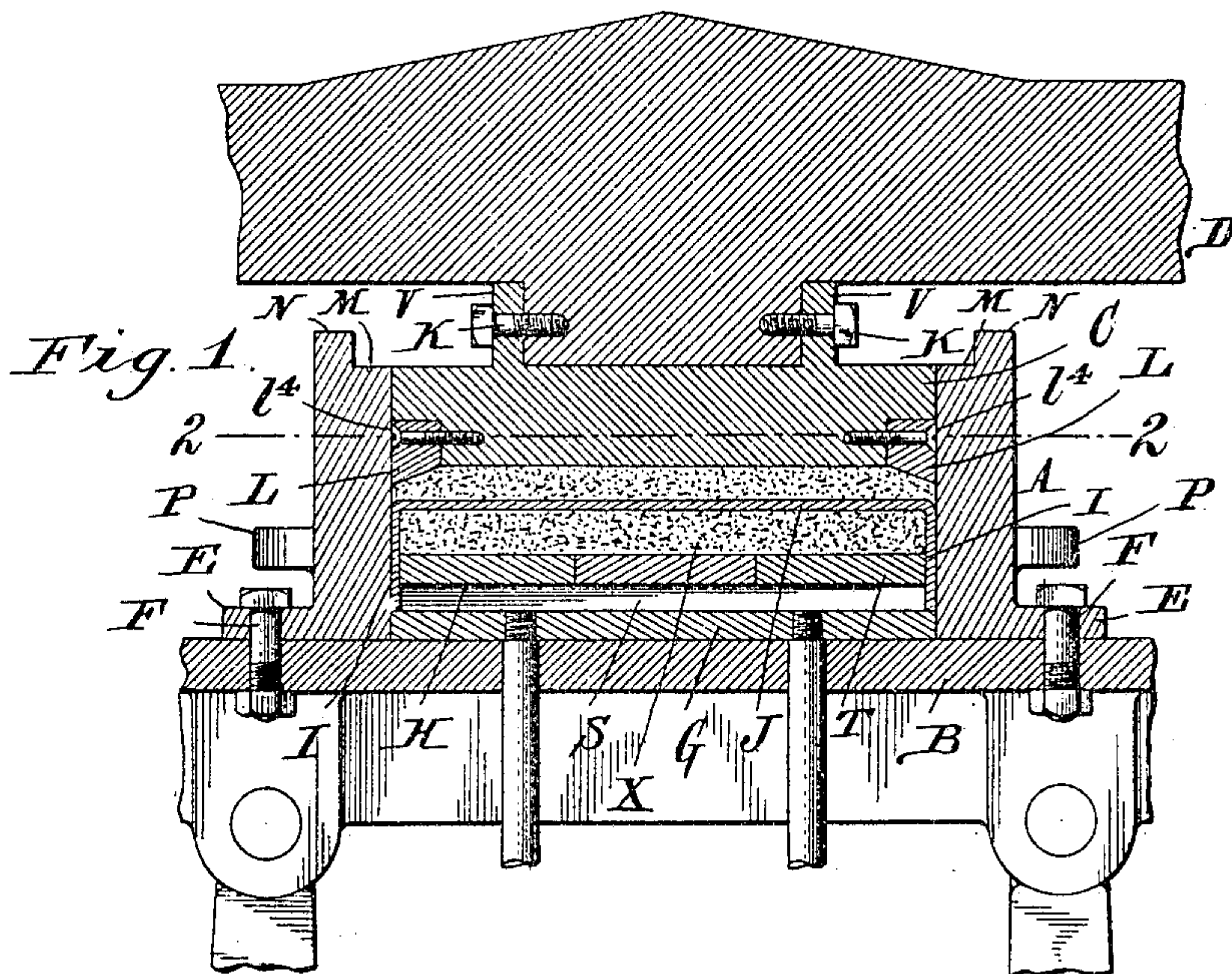
No. 798,772.

PATENTED SEPT. 5, 1905.

G. F. FISHER.
MOLD FOR MAKING PLASTIC BLOCKS.

APPLICATION FILED MAR. 17, 1904.

2 SHEETS—SHEET 1.



Witnesses:
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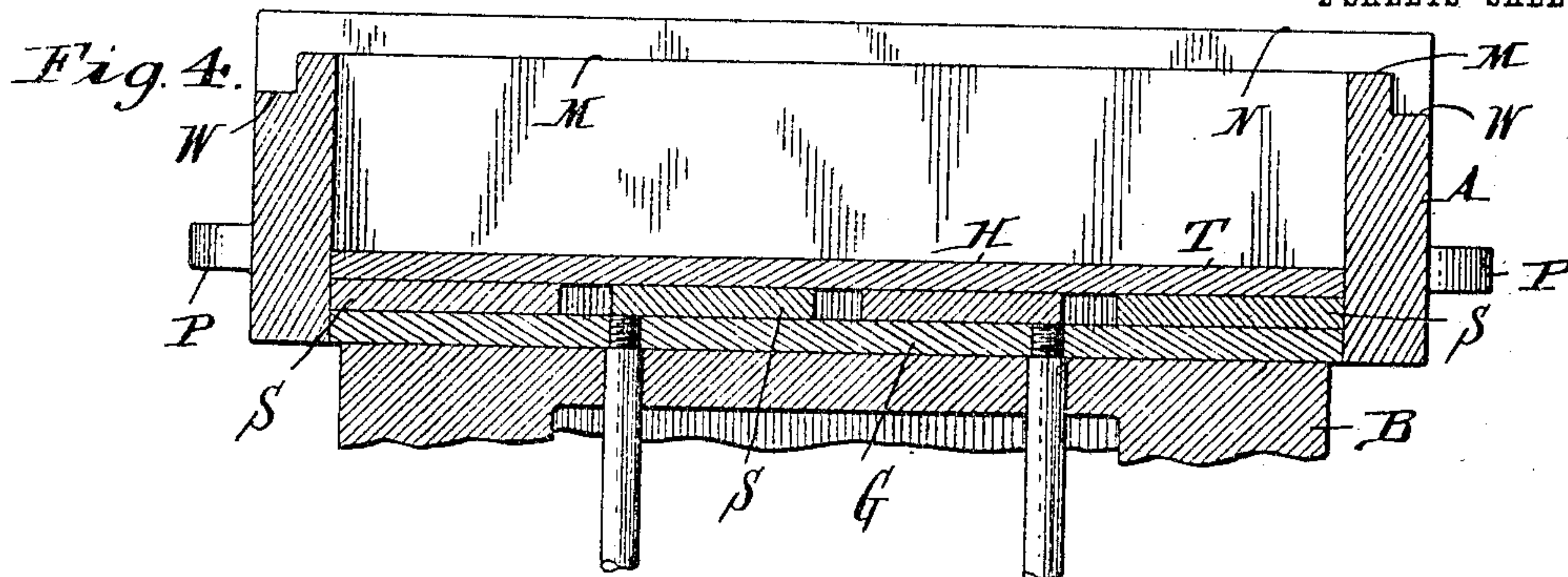
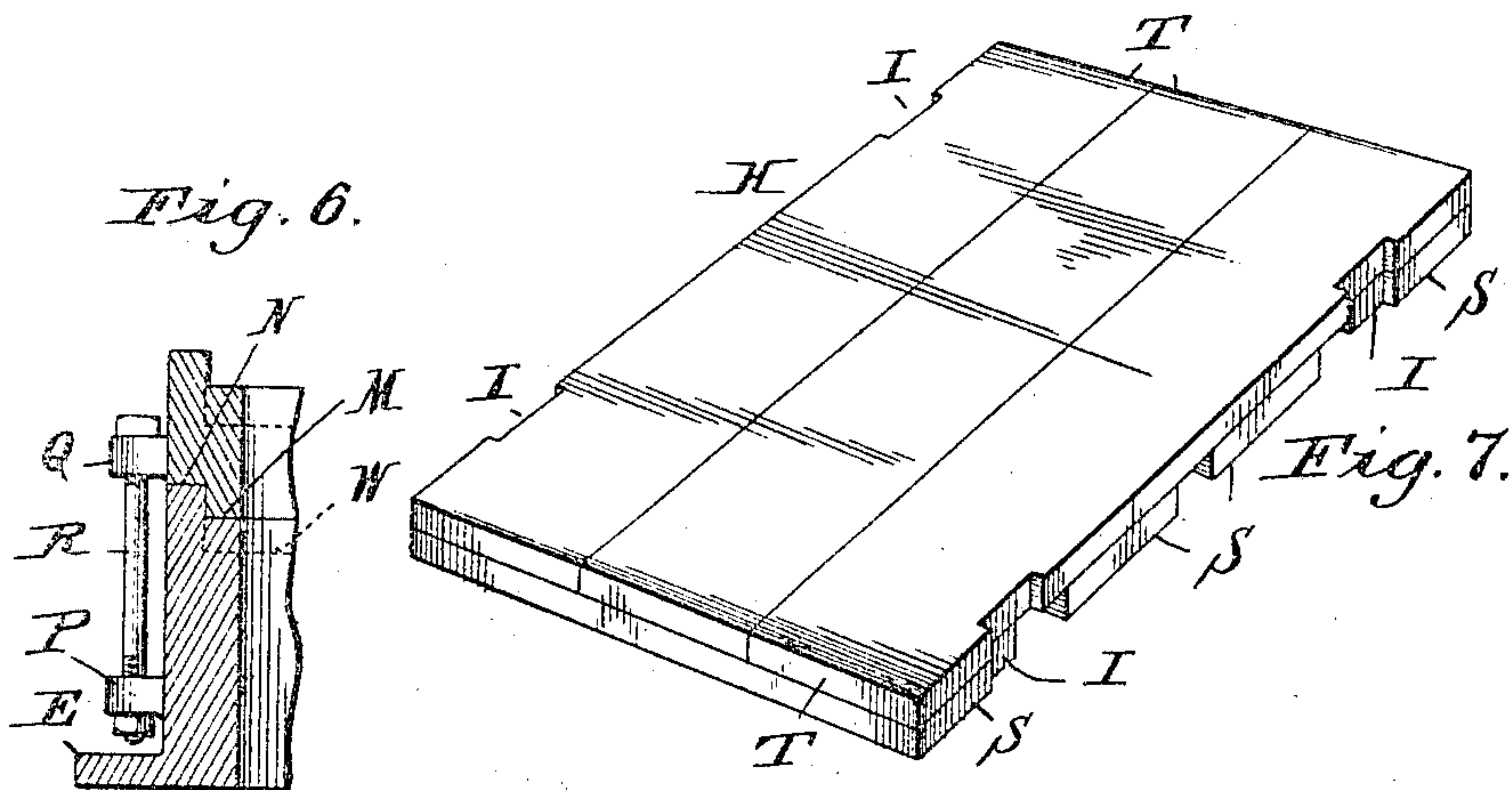
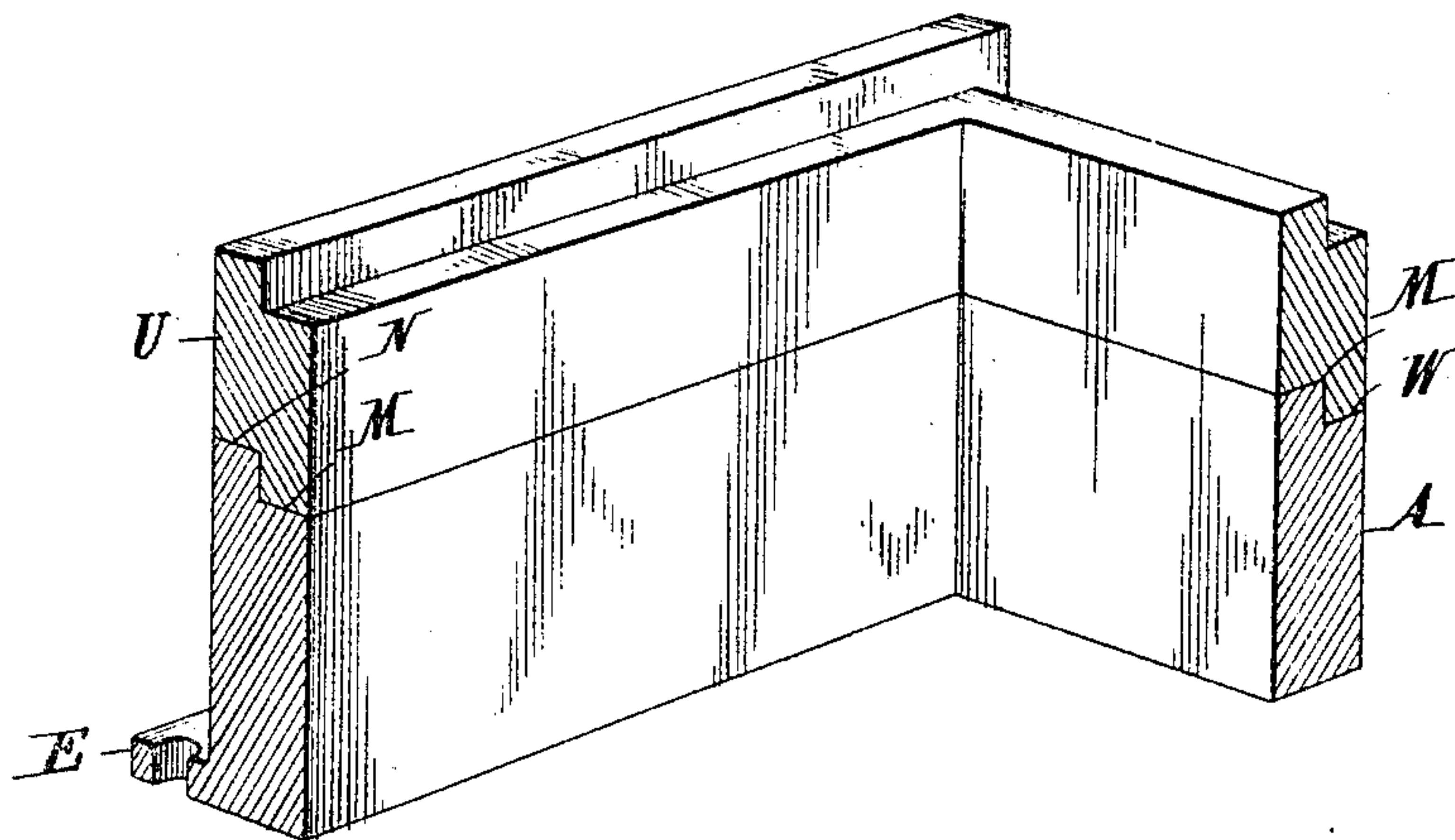


Fig. 5.



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UNITED STATES PATENT OFFICE.

GEORGE F. FISHER, OF NORTH TONAWANDA, NEW YORK.

MOLD FOR MAKING PLASTIC BLOCKS.

No. 798,772.

Specification of Letters Patent.

Patented Sept. 5, 1905.

Application filed March 17, 1904. Serial No. 198,601.

To all whom it may concern:

Be it known that I, GEORGE F. FISHER, a citizen of the United States, residing at North Tonawanda, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Molds for Making Plastic Blocks, of which the following is a specification.

This invention relates to plastic-block molds, and more particularly to that class of machines thereunder in which a plunger and die are employed for forming the block.

The object of this invention is to improve the construction of both members of the mold whereby the replacement of parts of the plunger is facilitated, the die is adapted to form blocks of different thickness, and means are provided for retaining securing-irons in place within the die while the plastic material is being compressed around them.

In order to accomplish these ends, the invention consists of certain details of construction, which will be readily understood from the following description and by reference to the accompanying drawings, in which—

Figure 1 represents a central fragmentary section of a molding-machine provided with the improved plunger and die. Fig. 2 represents a horizontal section taken on line 2 2, Fig. 1. Fig. 3 is a perspective view of a removable plunger edge of modified construction. Fig. 4 is a fragmentary longitudinal section of the die. Fig. 5 is an enlarged sectional perspective view of a portion of the die provided with an extension-frame. Fig. 6 is a fragmentary vertical section of the female part of the die provided with the extension-frame. Fig. 7 is a perspective view of the pallet on which the artificial-stone block is formed.

A represents the die, which is secured, by means of flanges E and bolts F, to the bed-plate B, and C designates the plunger, which is attached to the vertically-movable holder D by means of upright lugs V and stud-bolts K. The die is of the usual rectangular form and is provided with the movable bottom G. The lower face of the plunger is formed with a peripheral rabbet, within which is held, by screws L^1 , a removable edge L. As shown in Fig. 2, this edge is preferably formed in four sections $L^1 L^2 L^3 L^4$; but an integral frame may be employed, as illustrated in Fig. 3. This edge may be formed with a decorative design on its lower face, and as the sections are independently removable a large variety of de-

signs and combination of forms may be used with the mold. Moreover, it is of obvious advantage to make readily replaceable this part of the plunger, which is subject to the friction of the die and the wearing action of the plastic.

Resting upon the movable bottom G within the mold is a pallet H, which is preferably sectional, comprising the transverse members S and the longitudinal members T, upon which rests the plastic material.

I designates notches formed in the sides of the pallet and extending through the transverse and longitudinal members. These notches are of such size as to receive the ends of securing-irons J, which rest upon the movable bottom G while the plastic material X is being molded around them.

The upper edge of the die is formed with a continuous inner ledge M. On two opposite sides the edge is provided with raised outer ledges N, while the remaining sides have depressed outer ledges W. Upon the stepped edge so formed is securely held an extension member U, whose lower edge is the complement of the upper edge of the die proper. The upper edge of this extension is provided with similar ledges, and it is obvious that an indefinite number of extensions may be employed with each die. Apertured lugs P Q are formed in alinement upon the exterior of the die and extension, respectively, and are connected by bolts R. However, these lugs and bolts may be omitted, as the peculiar form of joint is sufficient to hold the extension in place.

What is claimed as new is—

1. In a molding-machine, the combination with the die; of a pallet therefor comprising a plurality of transverse and longitudinal members and being provided with notches in its sides passing through said transverse and longitudinal members.

2. In a molding-machine, the combination with a die for forming blocks having securing-irons embedded therein; of a pallet for said die having a plurality of opposed notches adapted to receive the downturned ends of said irons.

3. In a molding-machine, a die having its upper edge provided with a continuous ledge, said edge being further provided on opposite sides with an elevated ledge adjacent said continuous ledge and on the remaining sides with a depressed ledge also adjacent the continuous ledge.

4. In a molding-machine, a die having its upper edge provided with a continuous inner ledge, said edge being further provided on opposite sides with an elevated outer ledge
5 and on the remaining sides with a depressed outer ledge.

5. In a molding-machine, a die having its upper edge provided with a continuous ledge,
10 said edge being further provided on opposite sides with an elevated ledge adjacent said continuous ledge and on the remaining sides with a depressed ledge also adjacent the continuous ledge; combined with an extension having
complementary ledges upon its lower edge.

15 6. In a molding-machine, a die having its upper edge provided with a continuous inner ledge, said edge being further provided on opposite sides with an elevated outer ledge and on the remaining sides with a depressed
20 outer ledge; combined with an extension having similar ledges on its upper edge and complementary ledges on its lower edge.

7. In a molding-machine, a die having its upper edge provided with a continuous ledge,
25 said edge being further provided on opposite

sides with an elevated ledge adjacent said continuous ledge and on the remaining sides with a depressed ledge also adjacent the continuous ledge; combined with an extension having complementary ledges upon its lower edge, 30
alined lugs on the exterior of the die and extension, and means for connecting said lugs.

8. In a molding-machine, a die having its upper edge provided with a continuous inner ledge, said edge being further provided on opposite sides with an elevated outer ledge and 35
on the remaining sides with a depressed outer ledge; combined with an extension having similar ledges on the upper edge and complementary ledges on its lower edge, alined ap- 40
ertured lugs on the exterior of the die and extension, and bolts connecting said lugs.

In testimony whereof I have affixed my signature in the presence of two subscribing witnesses.

GEORGE F. FISHER.

Witnesses:

CHAS. F. BURKHART,
EMIL NEUHART.