

No. 785,235.

PATENTED MAR. 21, 1905.

C. H. SLATTERY.  
PLUNGER FOR PRESS MOLDS.  
APPLICATION FILED MAY 31, 1904.

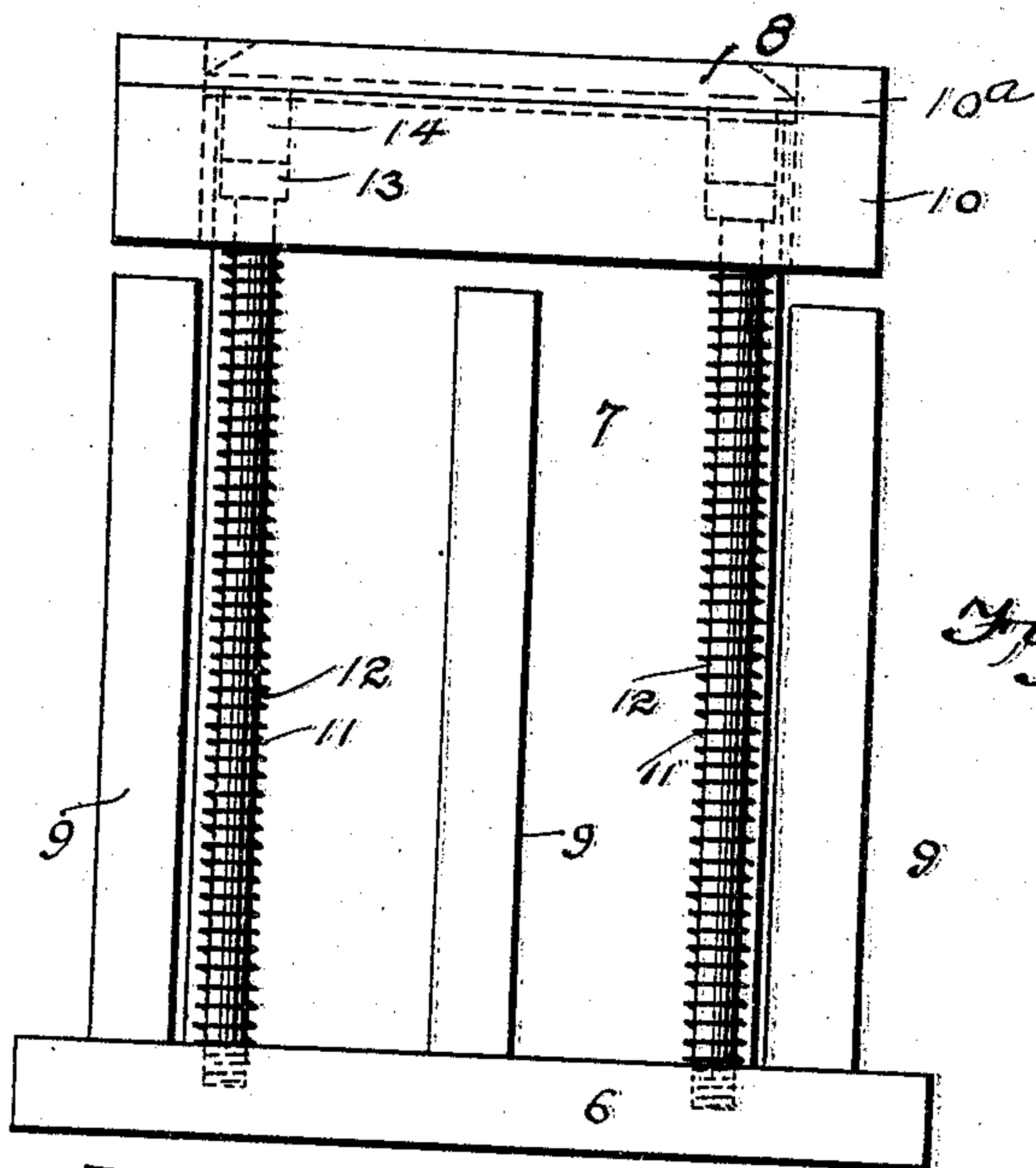


Fig. 1.

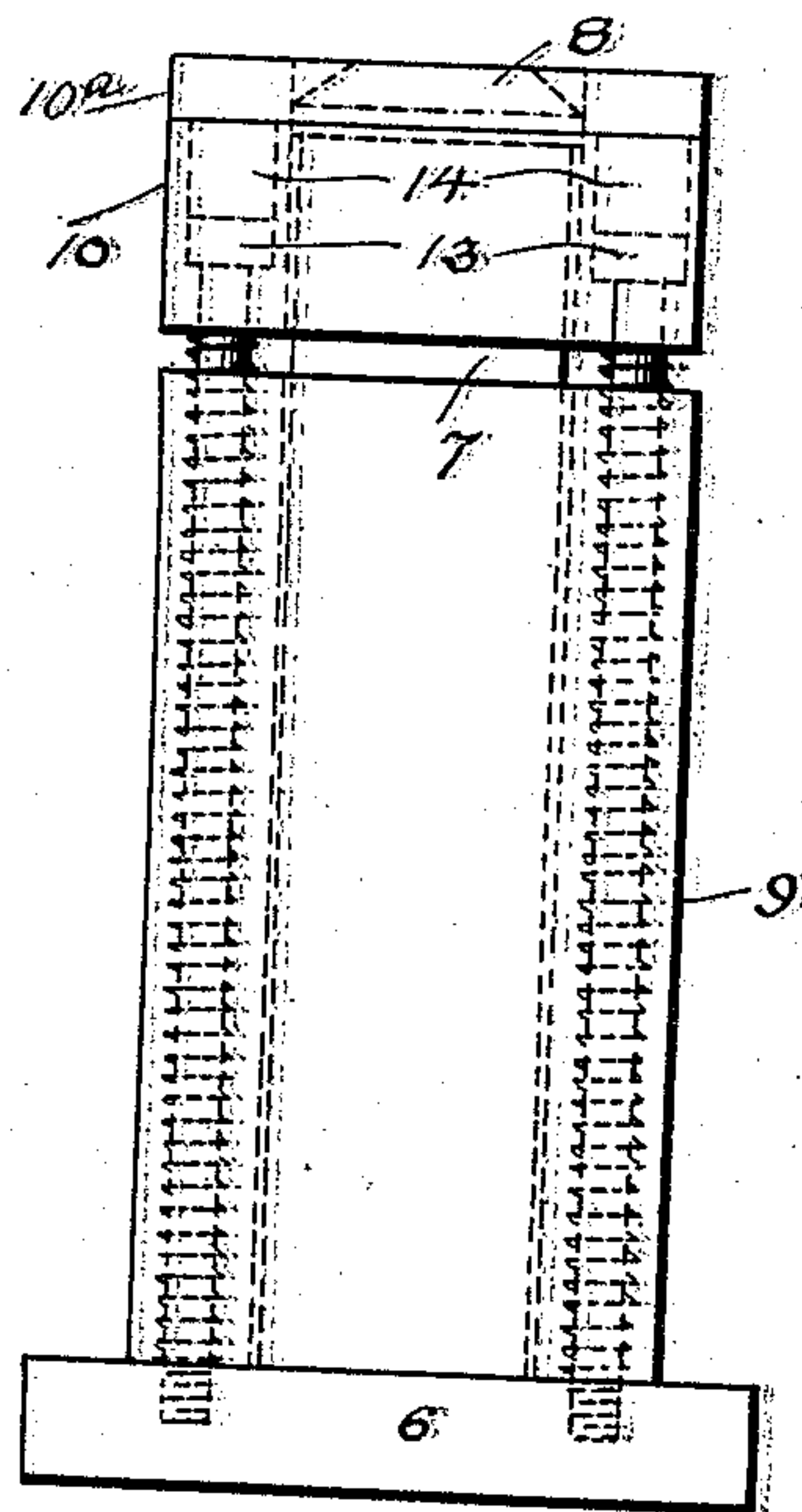


Fig. 2.

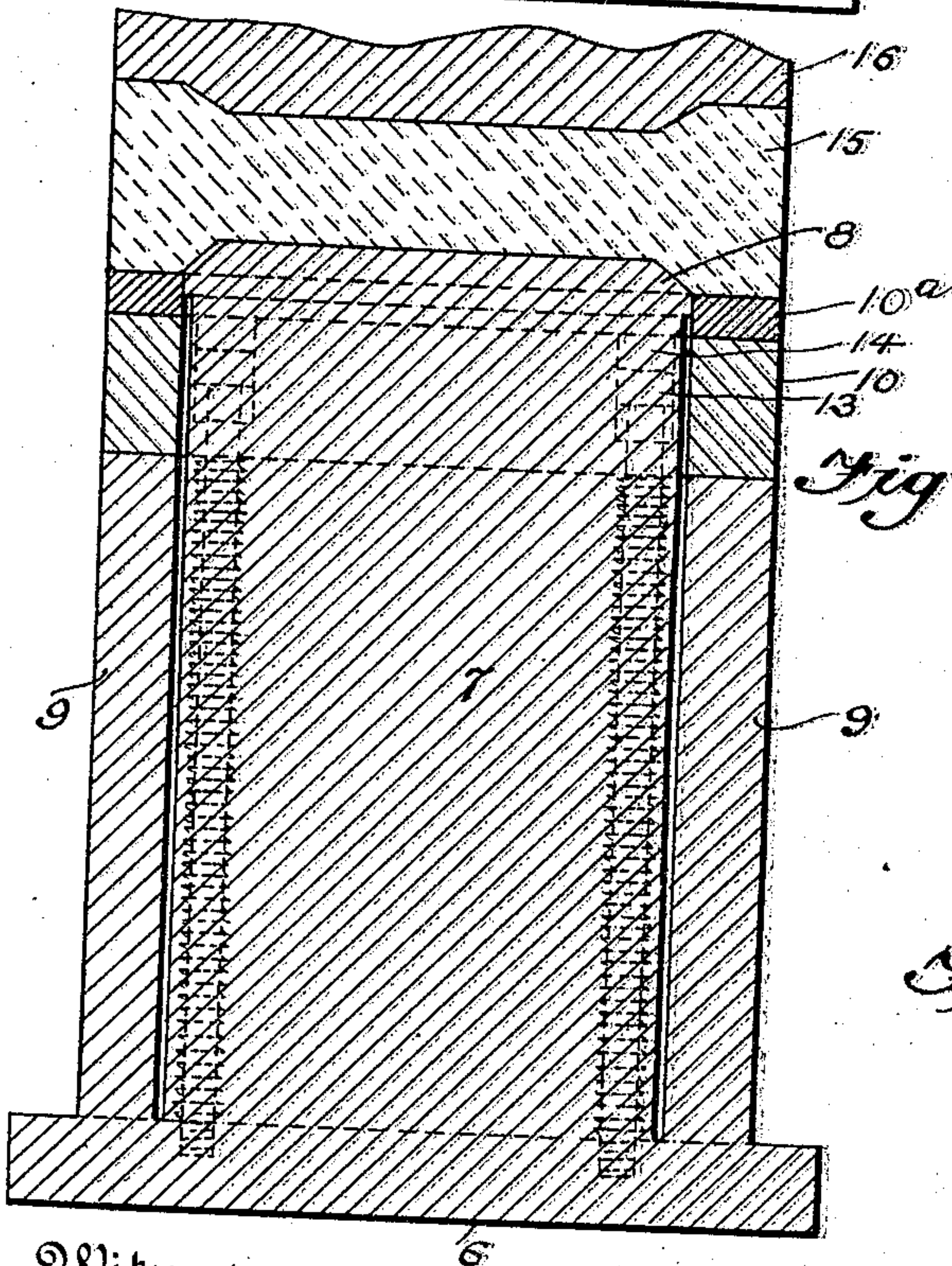


Fig. 4.

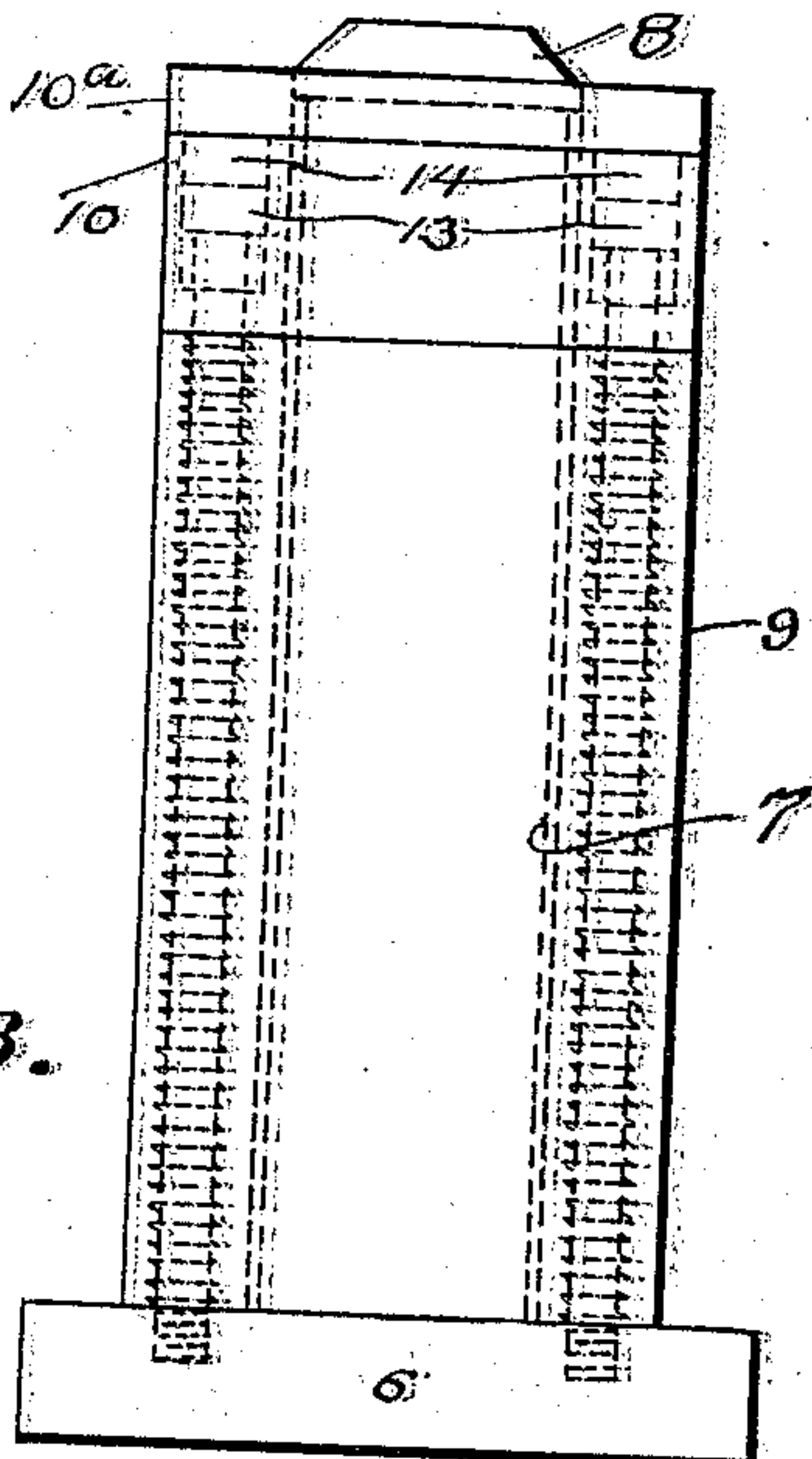


Fig. 3.

Witnesses  
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# UNITED STATES PATENT OFFICE.

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## PLUNGER FOR PRESS-MOLDS.

SPECIFICATION forming part of Letters Patent No. 785,235, dated March 21, 1905.

Application filed May 31, 1904. Serial No. 210,514.

*To all whom it may concern:*

Be it known that I, CHARLES H. SLATTERY, a citizen of the United States, residing at Southpark, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Plungers for Press-Molds, of which the following is a specification.

This invention is a new and improved plunger suitable particularly for brick machines or presses, and has for its object to provide a plunger by the use of which the brick may be paneled on both sides.

In those brick-machines in which the pressed brick is stricken or moved off of the top of the plunger by contact with the charger or otherwise it has been impossible to panel the under side of the brick, because a projection on the plunger which would produce the panel would prevent lateral slide or movement of the brick.

My invention permits a panel to be made on the under side of the brick by the use of a spring-supported outer frame or part which when the pressure is released lifts the brick to the same level as the extreme top of the plunger, so that it may be stricken off in the customary manner.

Panels in bricks are desirable for various reasons, an important one being that when laid the mortar gives a very strong bond with a thin facing-joint.

The invention hereinafter described produces a panel in the under or plunger surface of the brick and also acts as an ejector to lift the brick, so that it may be swept or struck off and removed to the conveyer after pressing.

The plunger is illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of the broad side of the plunger. Figs. 2 and 3 are elevations of the narrow side or edge, showing the parts in different positions. Fig. 4 is a vertical sectional view illustrating the plunger in operation.

Referring specifically to the drawings, 6 indicates the base of the plunger, from which projects a central or panel part 7, the face 8 of which is properly shaped to produce a panel

in the brick. Letters or other distinguishing marks may be made on said face to mark the brick accordingly. Formed integrally with the base are stops or supports 9 for the border or frame 10, which extends around the panel part and the face of the cap 10<sup>a</sup> of which presses the border of the brick around the panel. Said frame or outer part 10 has a limited vertical movement and fits closely around the panel-head 8. It is normally projected to a position flush with the face of the panel 8 by means of springs 11, which are coiled around bolts 12, which are tapped into the base-plates 6. There are preferably four of these bolts, two on each side. The heads 13 of the bolts work in recesses 14 in the outer frame or border portion 10 and act to limit the upward movement of said outer portion or frame.

In Fig. 4, 15 indicates the brick, and 16 the upper plunger or ram.

In operation the plunger works in a mold of known construction. When the pressure is applied to the material in the mold, the outer portion 10 is forced down upon the supports 9, as indicated in Figs. 3 and 4, and the panel is produced in the brick. When the pressure is released and the brick is to be struck off, the tension of the springs 11 lifts the frame 10, and with it the brick, to a position at least flush with the top of the panel-face 8, when the brick may be swept or struck off laterally without further lift and by the devices ordinarily used for that purpose. This enables the panel to be produced in the under side of the brick as well as in the upper side.

What I claim as new, and desire to secure by Letters Patent, is—

1. A plunger for press-molds, comprising a body having a central panel part and projecting stops beside said part, and an outer spring-supported frame or part around said part and normally projected flush with the face thereof, and capable of depression against said stops.

2. A plunger for press-molds, comprising a base having thereon a central panel part and stops beside the same, an outer frame or bor-

der slidable on the panel part and constructed  
to abut the stops when depressed, bolts ex-  
tending between the said outer frame and the  
base and having means to limit the lift of the  
5 frame, and springs between the frame and  
base, tending to lift the frame.

In testimony whereof I have signed my name

to this specification in the presence of two sub-  
scribing witnesses.

CHARLES H. SLATTERY.

Witnesses:

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