

L. A. BROWN.

MOLD.

APPLICATION FILED NOV. 20, 1908.

928,493.

Patented July 20, 1909.

Fig. 1.

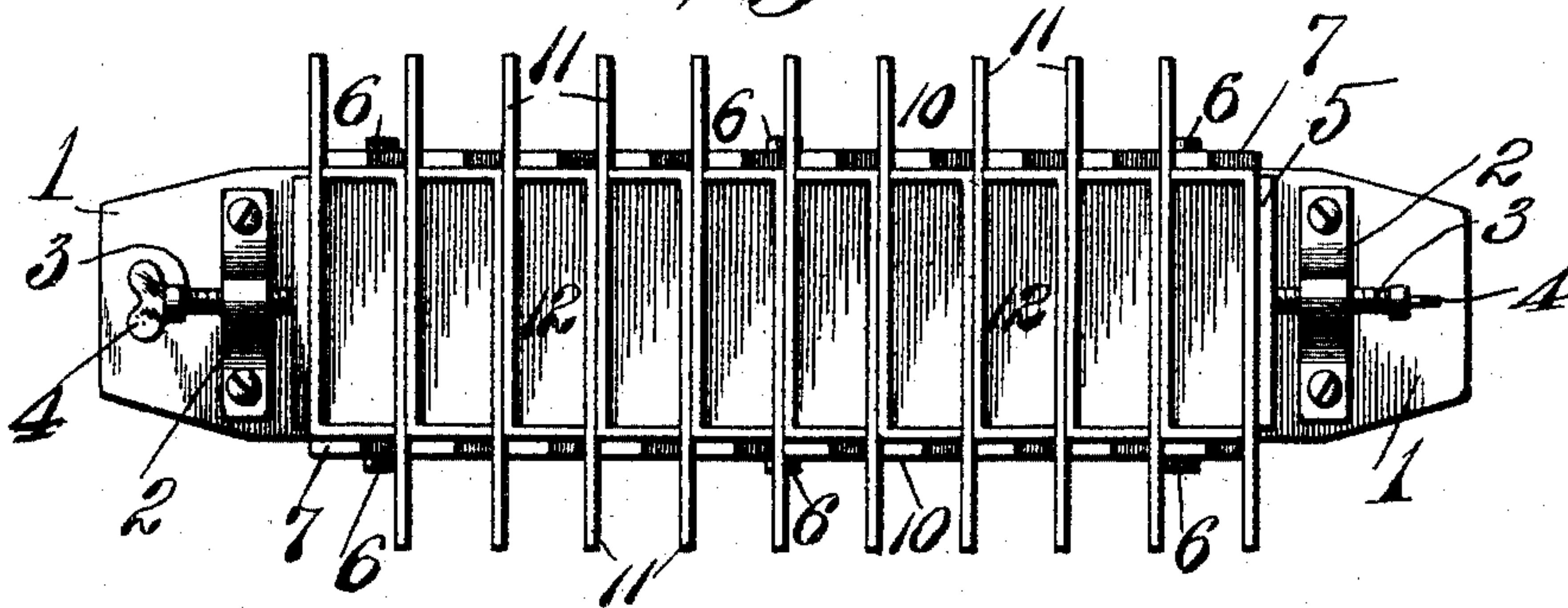


Fig. 2.

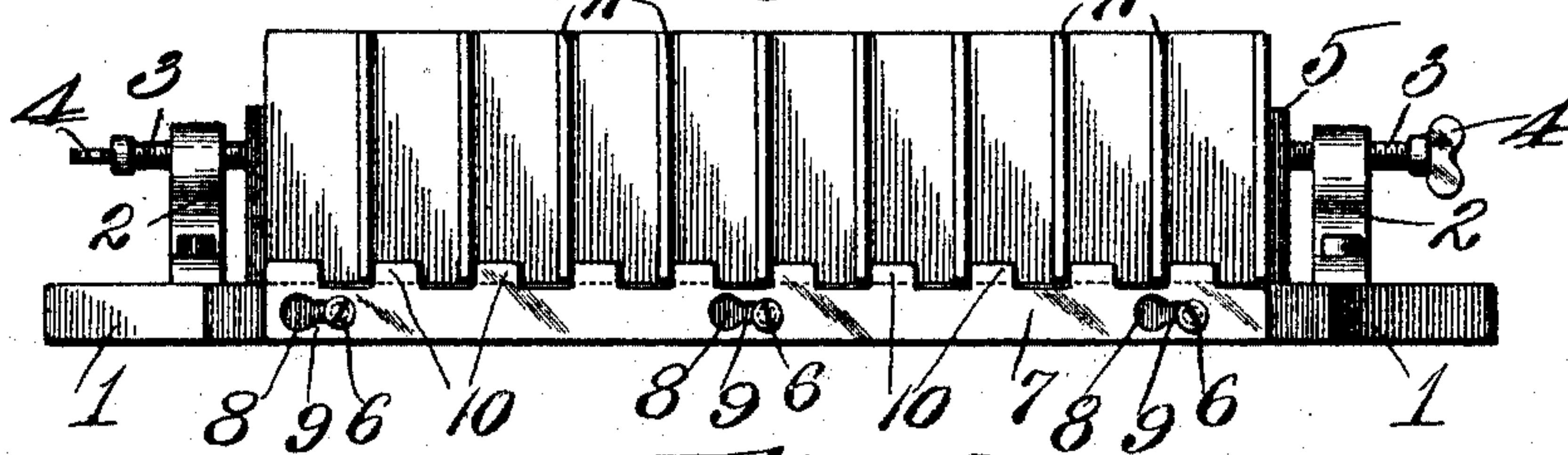


Fig. 3.

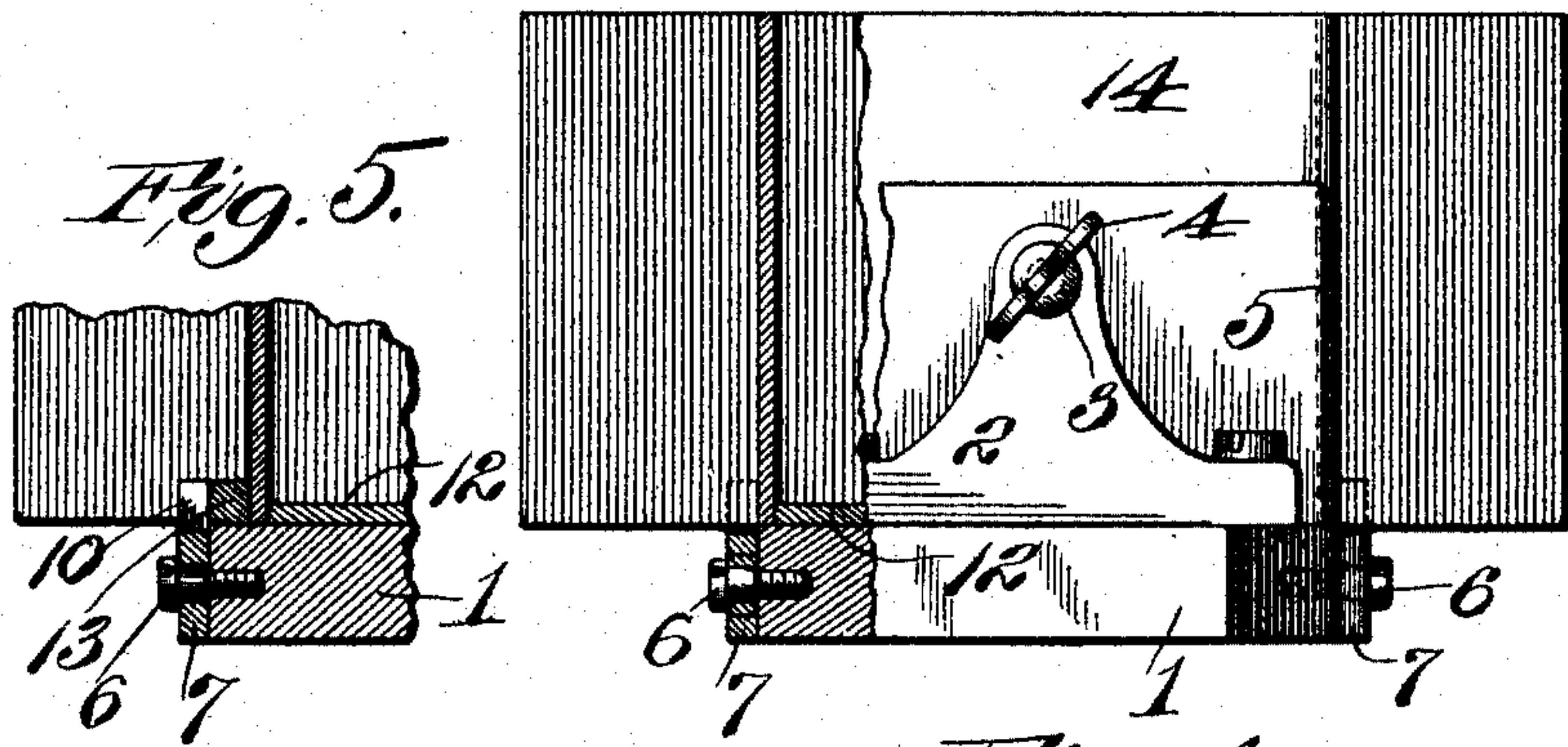


Fig. 5.

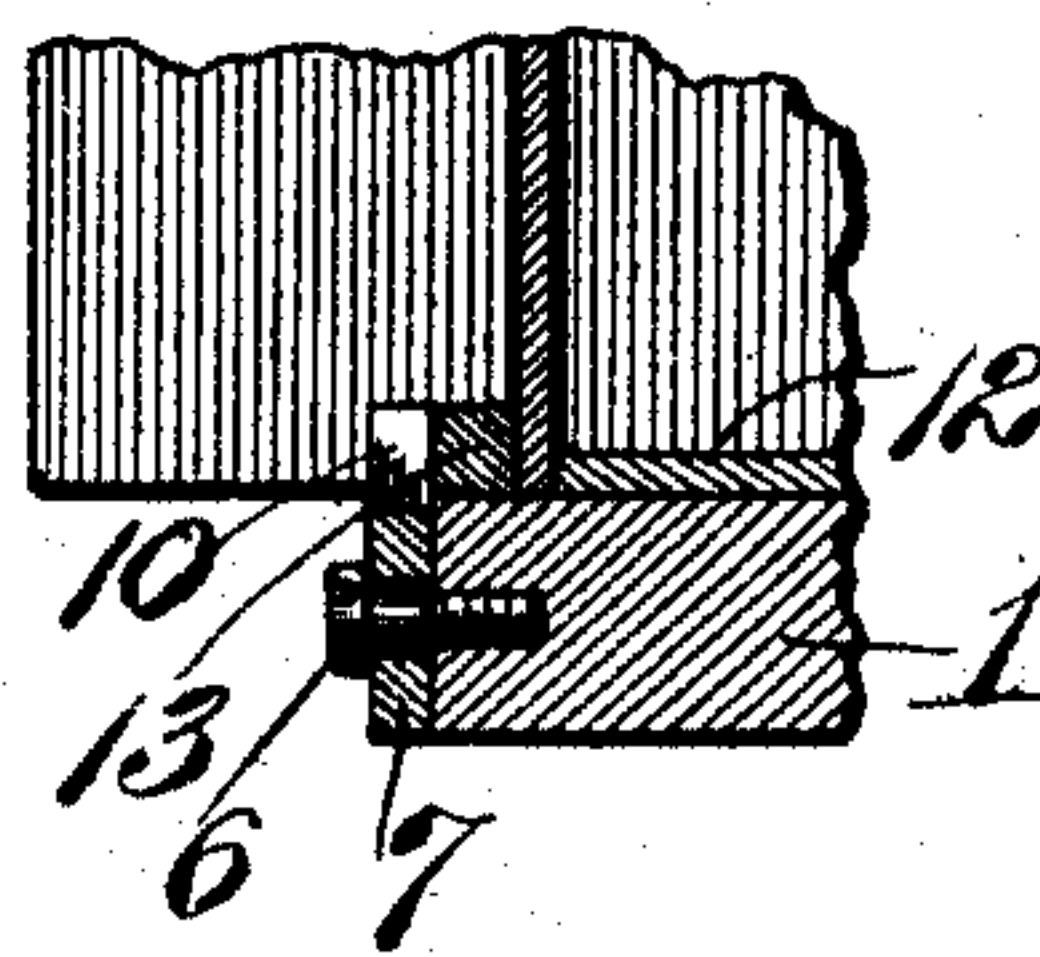
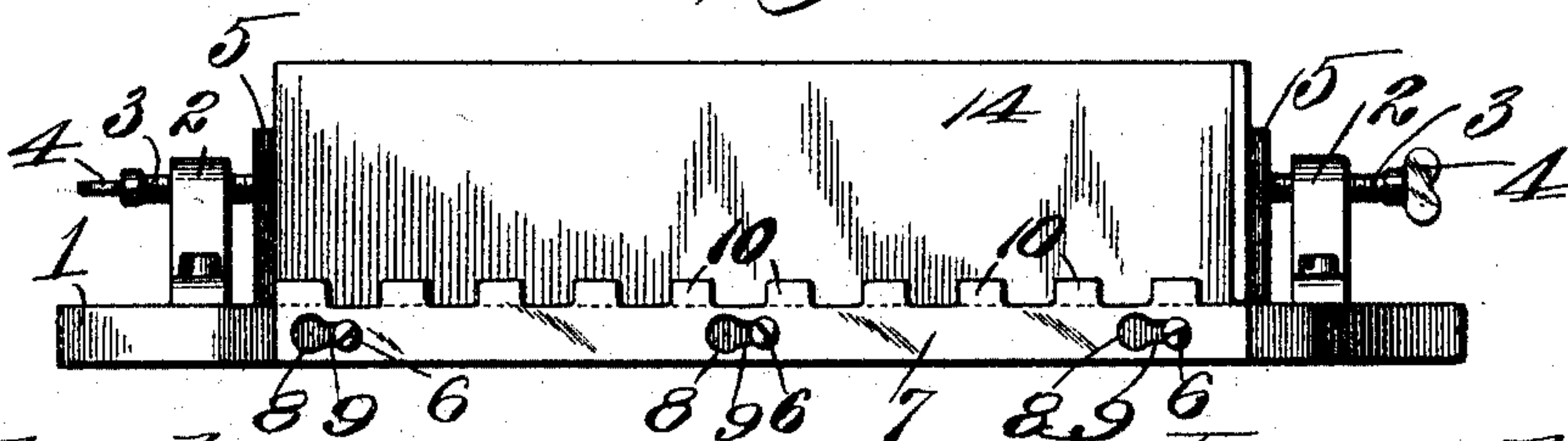


Fig. 4.



Attest:
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UNITED STATES PATENT OFFICE.

LEWIS A. BROWN, OF HORINE, MISSOURI.

MOLD.

No. 928,493.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed November 20, 1908. Serial No. 463,619.

To all whom it may concern:

Be it known that I, LEWIS A. BROWN, a citizen of the United States, residing at Horine, Jefferson county, Missouri, have invented a new and useful Mold, of which the following is a specification.

This invention relates to molds for making bricks, blocks, etc.; and it consists of a base portion or pallet and a number of angular plates which may be adjusted on the base or pallet to form one or more open box structures or molds in which the plastic material may be molded and given the proper shape. Means is provided for holding the angular plates in different positions whereby to form bricks or blocks of different sizes; binding devices are employed to hold rigidly the angular plates in whatever adjustment they may be placed, whether the mold is formed or made up for a large size brick or block or a number of smaller bricks or blocks.

Other improved features are embodied in the device all of which will appear from the following description, reference being made to the accompanying drawing in which—

Figure 1 is a plan view of the mold assembled to form a number of smaller bricks or blocks. Fig. 2 is a side elevation thereof. Fig. 3 is an end view, partially in section. Fig. 4 is a side elevation of the mold arranged to form a large block. Fig. 5 is a detail sectional view.

The base or pallet 1 is of such size and weight that it is readily portable, in width say eight inches, and in length about thirty inches, more or less. A bracket 2 is fastened on said base or pallet near each end. Each of said brackets has a screw-bolt 3 operating therein, said bolts being provided with heads 4 for manual engagement whereby they may be readily operated. A compression plate 5 is attached to the inner end of each bolt, the connection between said members being loose so that the bolts may turn with respect to the plates. To each side of the base or pallet 1 a number of screws or bolts 6 are secured. Two plates 7, one for each side, are provided, each having a series of holes 8 of sufficient size to receive the heads of the screws or bolts 6, and having narrower slots 9 opening into said holes of sufficient size to receive the body of the bolts or screws, but not the head. This arrangement, therefore, constitutes means for detachably fastening

the plates 7 against the sides of the base or pallet 1 in the manner shown. The upper edges of the plates 7 have a series of projections 10 projecting vertically above the upper surface of the base or pallet for the purpose of holding the mold sections thereon.

When it is desired to make bricks or small blocks a series of small mold compartments are erected on the base or pallet. A series of angular plates 11 are set edgewise upon the base or pallet, or upon a smooth galvanized plate 12 on the top of said base or pallet, in the manner shown in Figs. 1 and 2, the ends of the long arms of said plates extending transversely and bearing against the ends of the short arms of adjoining plates, thereby forming a series of chambers whose greater length is transversely of the base or pallet. The projections 10 hold the plates from slipping outwardly from their proper adjustment and serve to hold said plates in perfect alinement. After being assembled in this way the screws 3 are operated to press the end plates 5 against the plates at the end and thereby to bind the parts securely in position. Then the compartments are filled with the plastic material which is thereby given proper shape and appearance, after which the plates 7 may be removed in an obvious manner, and the bricks or blocks may be taken off. If it is desired to make the bricks or blocks of less length than the full length shown in Fig. 1, which is the width of the base or pallet, this may be done by placing blocks or other suitable objects 13 at the sides between the projections 10 and the angular plates, thereby reducing the length of the compartments formed by said plates (see Fig. 5).

In case it is desired to form a single large block a mold therefor may be provided by means of angular plates 14 (Figs. 3 and 4) mounted upon the base or pallet 1 with their longer portions extending along opposite sides of said base or pallet, and the shorter arms thereof extending transversely and having as abutments the ends of the opposite longer portions, thereby forming an elongated rectangular chamber or mold. The bottom of this mold is a galvanized plate 12 which rests upon the top of the base or pallet. The angular plates are held at the sides by the projections 10 of the plates 7, and the ends by the plates 5 whereby the mold may be held together when being

moved from place to place. It is obvious that blocks 13 may also be used in this construction to reduce the width of the mold.

I am aware that there may be variations
5 from the construction described and shown without in the least departing from the spirit and scope of the invention, and do not restrict myself to exact features.

What I claim and desire to secure by Let-
10 ters Patent is—

A mold comprising a base or pallet, a plate resting on said base or pallet, a series of angular plates arranged to form compartments on said first-named plate, plates re-
15 movably fastened to the sides of said base

or pallet, projections on said last-named plates holding said angular plates against lateral movement, a support at each end of said base or pallet, a screw-bolt operating in each of said supports, and a plate attached
20 to the inner end of each of said screw-bolts and arranged to bind against said angular plates, substantially as specified.

In testimony whereof I hereunto affix my signature this 10th day of October, 1908.

LEWIS A. BROWN.

Witnesses:

L. C. KINGSLAND,
JOHN D. RIPPEY.