W. W. ROWLEY.

MOLDING MACHINE.

APPLICATION FILED OCT. 2, 1908.

947,702. Patented Jan. 25, 1910.

Fig. 1.

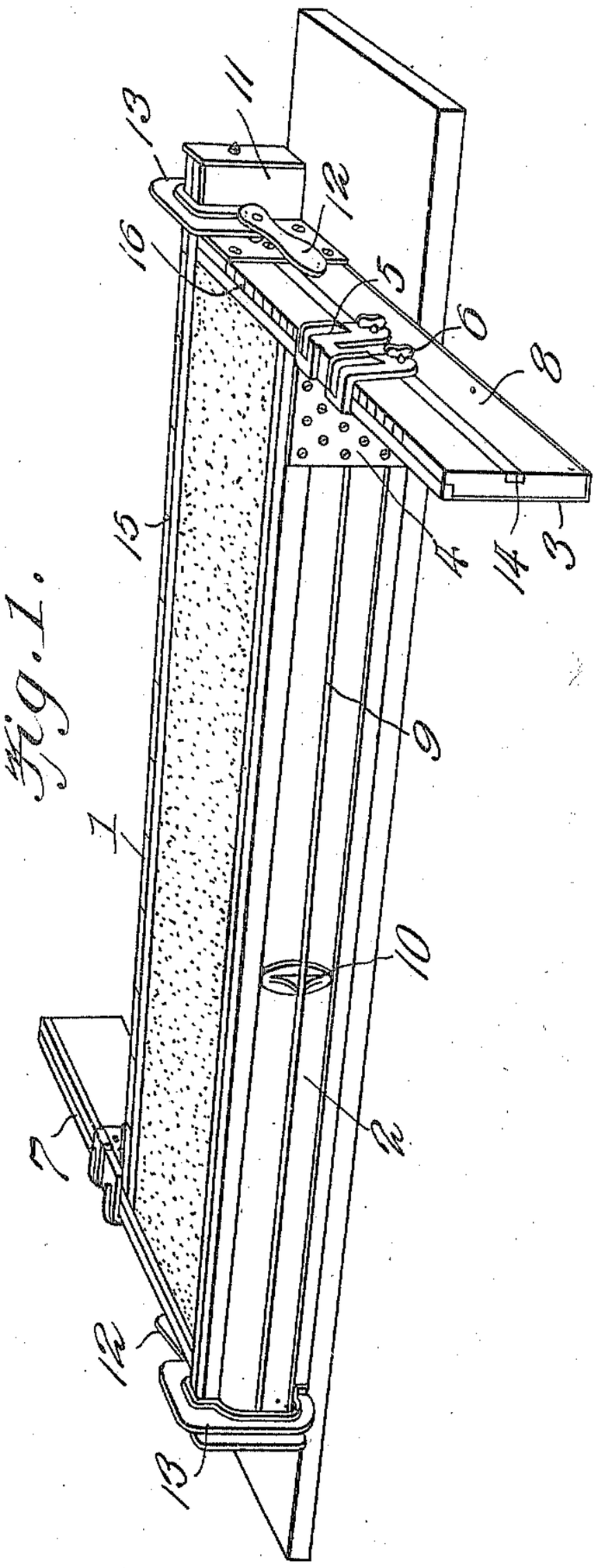
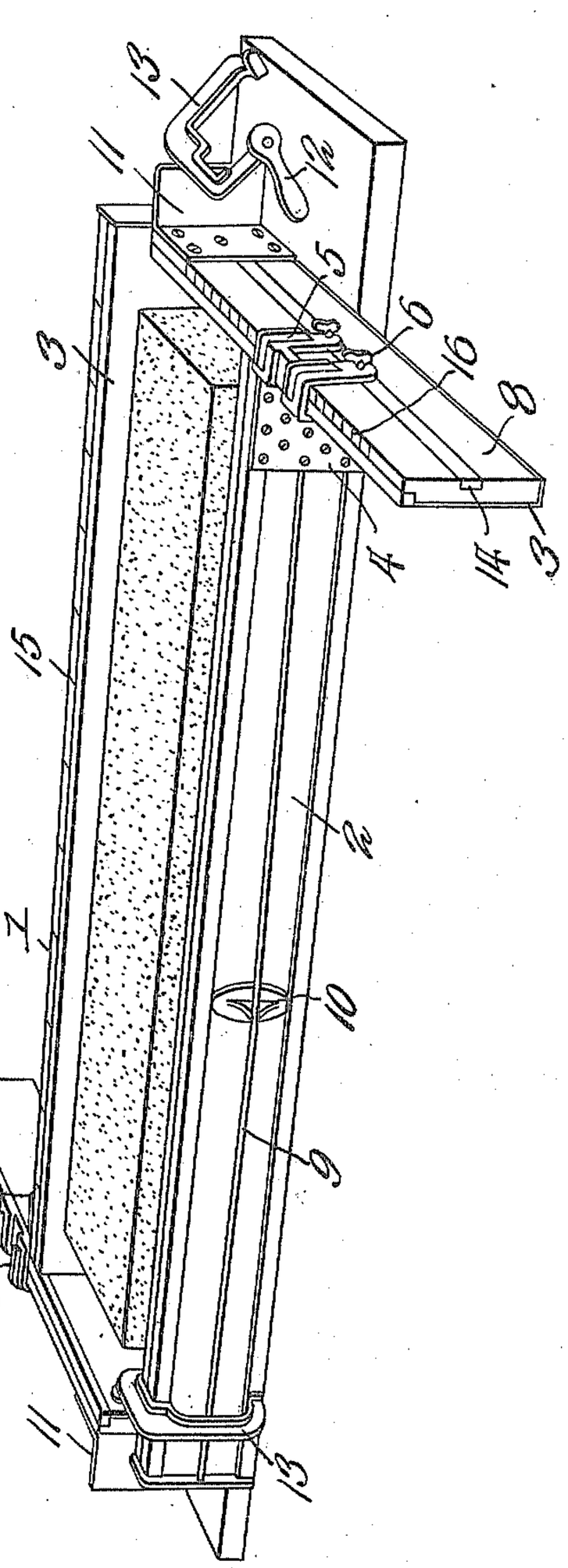


Fig. 2.



Witnesses

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WILLIAM W. ROWLEY, OF JACKSON, MICHIGAN.

MOLDING-MACHINE.

947,702. Specification of Letters Patent. Patented Jan. 25, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM W. ROWLEY, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Michigan, have invented new and useful Improvements in Molding-Machines, of which the following is a specification.

This invention relates to molding machines, and one of the principal objects of the same is to provide an adjustable mold for concrete blocks, sills, or other concrete structures.

Another object of the invention is to provide a molding device which can be readily adjusted to the required length and width for molding sills or blocks, the parts being so arranged that the adjustment can be made easily and quickly.

With these and other objects in view, the nature of which will be more apparent as the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawing, Figure 1 is a perspective view of a mold constructed in accordance with the present invention and illustrating a concrete block in position therein. Fig. 2 is a similar view, the parts of the mold being separated to allow for the ready removal of the block.

Referring to the drawing for a more particular description of my invention, the numeral 1 designates one of the sides of the mold and the numeral 2 the opposite side thereof. These sides 1 and 2 are preferably constructed of a suitable wood, such as cypress and have their inner faces lined with a plating of suitable metal as indicated by the numeral 3. This metal facing 3 has its inner top edge enlarged, for a purpose hereinafter to be described, while its lower edge is bent at a right angle to and closely engages the lower longitudinal edge of the side. One end of the sides 1 and 2 are each provided with a suitable plate 4 having right angularly disposed substantially U-shaped offset arms 5, and these arms are provided with suitable threaded openings adapted for the reception of threaded retaining elements 6, through the medium of which the sliding or adjustable ends 7 and 8 are connected each with one of the sides 1 and 2. The sides 1 and 2 have their outer faces provided with a suitable truss rod 9, and this truss rod is normally retained in taut condition through the medium of a suitable slidable spacing member 10.

Both of the ends 7 and 8 have their outer faces adjacent their inner vertical edges provided with L-shaped metallic members 11, and these members 11 are adapted to be engaged by a cam lever 12 provided upon an offset clamp member 13 whereby this end of the mold is securely retained in adjusted position upon one of the sides. The end members 7 and 8 are also provided with a facing of suitable metal which has its upper edge enlarged where it is contacted by the U shaped offset member 5 and its opposite end bent under the end section. The end sections 7 and 8 have their outer faces provided with a longitudinally extending recess, adapted for the reception of a metal plate 14, and this plate is adapted to lie in the path of the metal strip 14, so that the set screws 6 have a firm bearing and danger of mutilating the wooden ends by the contact of the metallic screws is entirely obviated.

The operation of the device may be briefly described as follows: Upon the side member 1 and the end member 8 are a series of indicating marks 15 and 16 by which the adjustable members may be positioned relatively to mold a block or sill of a given size. The clamping members 13 are released from engagement with the offset members 11 of the sides 7 and 8, the retaining elements 6 are loosened so that the sides and ends may be slid until the proper adjustment is obtained. After this has been accomplished the clamps 13 and the securing member 6 are tightened upon the end and side members and any number of blocks of the same width and thickness can be readily molded without further adjustment of the parts, and when required the side and end members may be readily disengaged by simply removing the clamp 13 and loosening the retaining element 6.

Having thus fully described the invention what is claimed as new is:

A molding machine of the class described comprising separable side and end members, said members being provided with a reinforcing facing and said facing engaging the lower edges and part of the tops of the said members, the members being also provided with a centrally arranged longitudinally extending reinforcing plate, each of the end members having one of their vertical edges provided with a right angular

offset member, side members for the mold, said side members being each provided with a reinforcing face plate and each of said side plates having one of their ends provided with a right angular offset member, the said side plates being centrally provided with projections, a rod connecting the ends of the said plates contacting the central projection, and removable securing members, of a substantially U-shaped construction, engaging the plates of the sides and ends and having retaining elements contacting the central reinforcement of the ends and the right angular offsets of the said ends.

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

WILLIAM W. ROWLEY.

Witnesses:

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