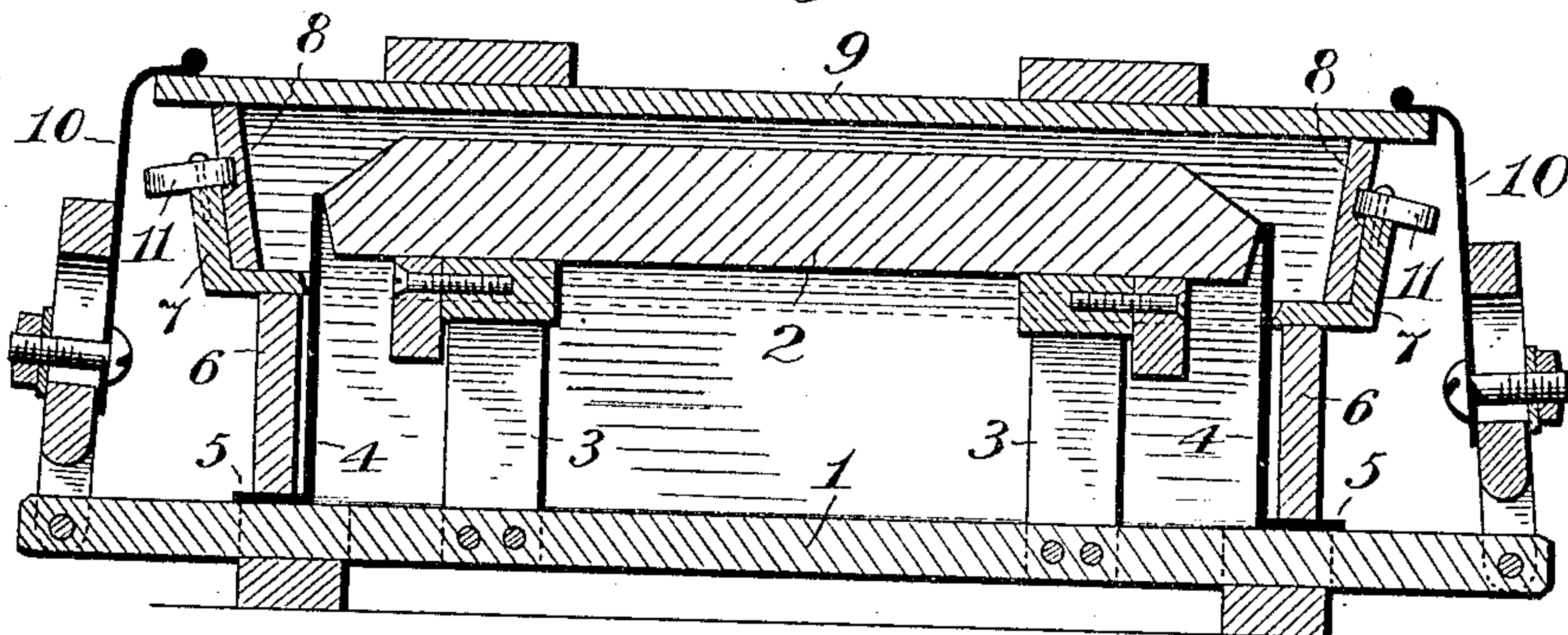


A. EVENSTAD.  
MOLD FOR MOLDING CONCRETE BLOCKS.  
APPLICATION FILED MAR. 23, 1908.

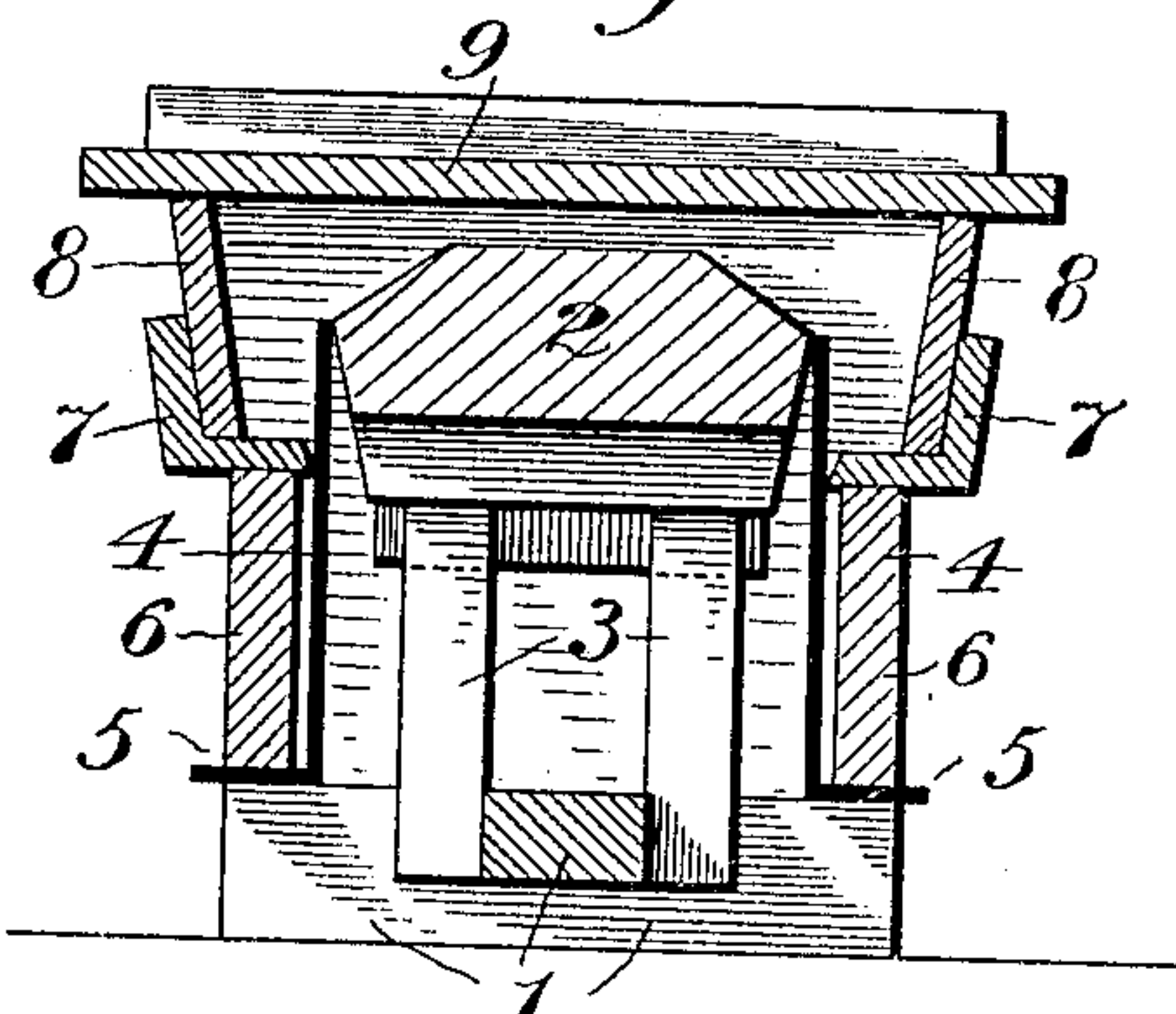
913,116.

Patented Feb. 23, 1909.

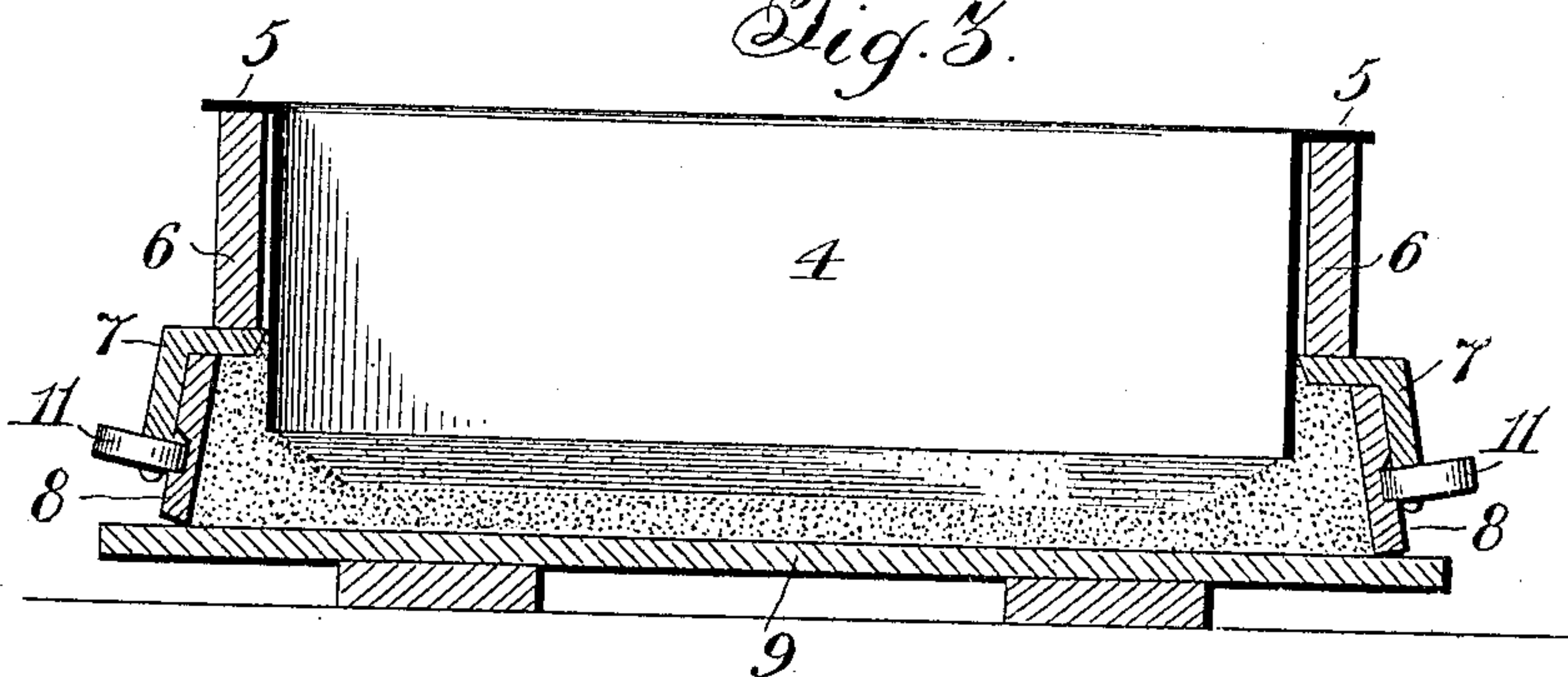
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:

*James Hutchinson*  
*G. J. Downing*

Inventor:

*A. Evenstad*

By *H. A. Seymour* Attorney:



# UNITED STATES PATENT OFFICE.

ANTON EVENSTAD, OF LAKOTA, NORTH DAKOTA.

## MOLD FOR MOLDING CONCRETE BLOCKS.

No. 913,116.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed March 23, 1908. Serial No. 422,724.

*To all whom it may concern:*

Be it known that I, ANTON EVENSTAD, of Lakota, in the county of Nelson and State of North Dakota, have invented certain new and useful Improvements in Molds for Molding Concrete Blocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in molds for molding concrete blocks, and it consists in the parts and combinations of parts as will be more fully described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in vertical longitudinal section taken through the assembled mold, showing all the parts in place. Fig. 2 is a view in transverse vertical section and Fig. 3 shows the mold inverted and parts removed ready to receive the concrete.

1 represents main frame carrying the pattern plate 2 which latter may be of wood or any material and of any shape and size and of any design that will not interfere with its free withdrawal from the sand. This pattern plate is supported on the uprights 3 and may be detachable therefrom as shown so as to permit of the use of plates of various designs on the single frame.

4 is a rectangular casing preferably made of sheet metal, open at top and bottom, and provided at its bottom with a flange 5 which rests on the base 1. This casing extends as shown, up to the pattern plate, and is of a size and shape to closely embrace the latter, but sufficiently large to permit the pattern to be drawn through after the parts have been inverted as will be hereinafter explained.

Mounted on the flange 5 of the casing 4 and embracing the latter is the rectangular wood frame 6, the presence and height of which depends on the thickness of the cement or concrete block to be made. This frame 6 loosely fits around the casing 4, so as to permit the latter to be withdrawn therefrom, and forms a support at its upper end for the flanged frame 7. As before stated the presence and height of the frame 6 depends on the thickness of the cement or concrete block to be made, hence by decreasing the size of the frame 6, I can increase the thickness of the product, and by adding to the frame, I can decrease the thickness of the

product, hence in making the mold it might be found preferable to make the frame 6 in sections, and in this way avoid the necessity of having a series of frames of different heights. The flanged frame 7 which is also preferably made of wood, comprises a base resting on the top of the frame 6 and closely embracing the casing 4 at a point below the upper edge of the latter, and a flange the latter being removed from the casing and inclined outwardly. This flanged frame 7 forms a seat or support for the detachable rim 8, which latter is rectangular in shape and is inclined upwardly and outwardly, and terminates in a plane above the pattern plate 2. The flanged frame and rim, together with the cover to be hereinafter referred to constitute in effect the drag of a sand mold.

When the parts are thus assembled, damp sand is thrown onto the pattern, and when the rim 8 is filled with sand, the cover 9 is placed thereon and locked by the clamps 10. The apparatus thus assembled and packed with sand, is now turned over so as to bring the base 1 at the top; the hooks connecting the base and cover are released and the base carrying the pattern withdrawn upwardly through the casing 4, thus exposing the sand mold. Concrete is now deposited in the mold until it is about on a level with the base of the flanged frame 7, after which the casing 4 is removed and placed in its proper position on base 1. The removal of casing 4 leaves frame 6 free to be removed and it is then placed in position around casing 4. After the removal of casing 4 and frame 6, any surplus concrete may be removed from the upper (rear) face of the block, after which the flanged frame 7 is removed and placed in position on casing 4. The rim 8 is permitted to support the sand for a suitable length of time, from five to ten minutes usually being sufficient, after which it is removed and placed in proper position on the other parts, thus reassembling the mold, as the parts are successively removed from around the molded block.

In practice I provide catches 11 carried by the flanged frame 7 to engage recesses in the rim 8 for locking these two parts together, so as to prevent any separation or independent movement between these parts during the operation.

Instead of having plate 2 constitute the pattern for the outer face of the block, this



side may be perfectly plain to form the rear face of the block, and may carry sand cores when it is desired to make the block hollow. After the sand mold has been filled with the concrete and the surplus removed, a pattern plate may be applied to the upper exposed face of the concrete and thus produce the outer face of the block, or a flat metal frame constructed to cover simply the margin of the block may be placed on the exposed block, and pebbles embedded in the exposed part of the face, thus producing a pebble dash finish with clear margin wholly around the block.

It is evident that many slight changes might be resorted to in the form and relative arrangement of parts shown and described without departing from the spirit and scope of my invention hence I would have it understood that I do not wish to confine myself to the exact construction and arrangement of parts shown and described, but,

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:—

1. The combination with a base, upward extensions therefrom and a pattern plate carried on said extensions, of a casing rest-

ing on the base and extending up and around the pattern plate, a flanged frame embracing said casing, an inclined removable rim carried by said flanged frame, the said rim and flanged frame plate constituting a drag, a cover resting on the rim and means connecting the cover and base whereby the parts may be inverted without disarranging the relative arrangement of the intermediate parts.

2. The combination with a base having upward extensions and a pattern plate carried by said extensions, of a hollow casing open at top and bottom resting on the base and extending up to the pattern plate, a rectangular frame embracing the casing below the pattern plate, a flanged frame resting on the rectangular frame, an inclined rectangular rim carried by the flanged frame, a cover resting on the rim and means for locking the cover to the base.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

ANTON EVENSTAD.

Witnesses:

JAMES E. ORR,  
SAM FOSTER.