

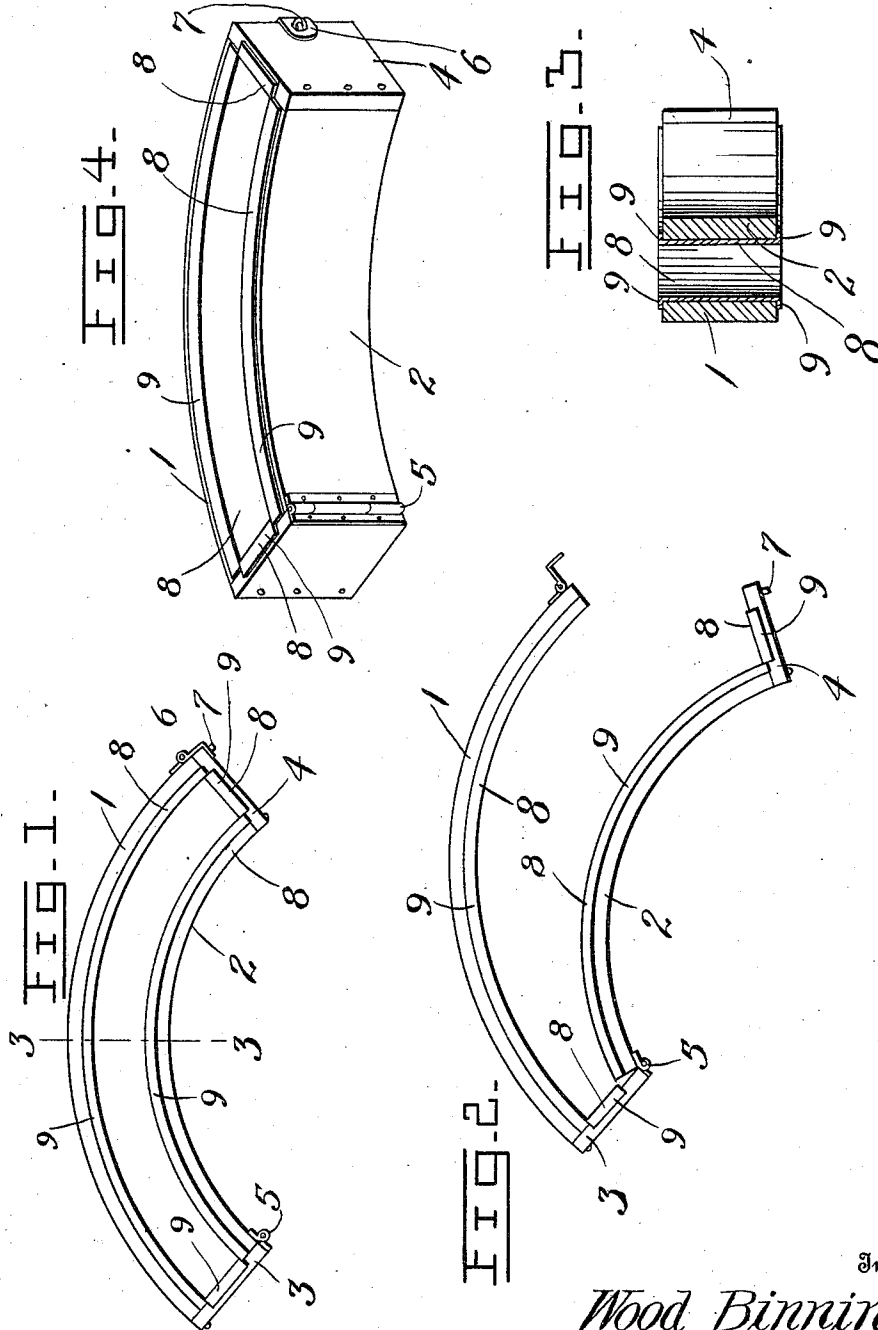
W. BINNING.

MOLD.

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1,030,638.

Patented June 25, 1912.



Witnesses

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WOOD BINNING, OF GRAND RIVER, IOWA.

MOLD.

1,030,638.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WOOD BINNING, a citizen of the United States, residing at Grand River, in the county of Decatur and State of Iowa, have invented certain new and useful Improvements in Molds, of which the following is a specification.

My invention relates to improvements in molds, and has for its leading object the provision of an improved mold particularly adapted for use in forming curved or semi-circular blocks from concrete or like plastic material.

A further object of my invention is the provision of an improved mold for forming curved blocks which shall be of such construction that the mold when filled may be readily moved from the filling and tamping table to the sand in which the block is placed to set or harden.

Another object of my invention is the provision of an improved mold comprising but two sections so connected as to permit of the ready forming of a curved block therein and to permit of the ready removal of the block without breaking down or injuring the shape or edges thereof and a mold which while cheap of construction will have its inner face of material to which the plastic filling of the mold will not adhere.

Other objects and advantages of my improved mold will be apparent from the following description taken in connection with the drawings, and it will be understood that I may make any changes or modifications in the specific structure shown and described within the scope of the claim without departing from or exceeding the spirit of the invention.

Figure 1 represents a top plan view of my mold in closed position. Fig. 2 represents a top plan view thereof in opened position. Fig. 3 represents a cross sectional view on the line 3—3 of Fig. 1, and Fig. 4 represents a perspective view of the mold.

In the drawings, the numeral 1 designates the outer curved wall of my mold and the numeral 2 designates the inner curved wooden wall thereof, the curved walls 1 and 2 being in the form of concentric arcs, and the wall 1 has secured thereto the end section 3 of the mold, said end section being

in the form of a section of the radius of the arcs of the sections 1 and 2 and extending inward into alinement with the outer face of the inner section, the outer face of the section 1 being convex and the outer section of the section 2 being concave.

Formed on the end of and extending radially outward from the opposite end of the section 2 from that with which the section 3 contacts is the wooden end section 4 which extends to the outer face of the section 1, as most clearly shown in Fig. 1.

To connect the two sections of the molds together to insure their at all times being in correct relative position I secure to the end 3 and to the adjacent portion of the section 2 the hinge 5 for pivotally connecting the same in such manner that as the mold is opened the portions 1 and 2 so separate from each other that the sections 3 and 4 are also swung away from the mold without dragging along thereagainst, the block therefor being satisfactorily removed without damage. To secure the sections together I pivot to the section 1 the hasp 6 adapted to pass over and be secured to the staple 7 to lock the mold in closed position.

To facilitate the removal of the block from the mold and prevent the block from sticking to the mold I have provided the various members with the facing plates 8 of galvanized iron which extend across the face of the mold and have their edges clampingly bent down upon the wood of the mold to secure said facing plates thereto.

From the foregoing description taken in connection with the drawings it will be seen that I have provided a simple, inexpensive and durable mold which can be readily disengaged from the block and which is provided with a casing plate of material to which the plastic filling of the mold will not adhere.

I claim:

A mold for concrete blocks, comprising a pair of concentrically curved wooden frame members, a radially inwardly projecting wooden end member secured to the outer curved frame member, a hinge member having one end secured to said end section and the other to the adjacent end of the inner curved frame member for pivotally connect-

ing the same, a radially outwardly extending wood end section fixedly secured to the free end of the inner frame member, a latch member carried by the outer frame member for engaging the latter end section to lock the outer frame member thereto, and galvanized iron face plates, said plates having angular flanges clampingly engaging all of

the wooden members upon the opposing faces to secure the face plates thereto.

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

WOOD BINNING.

Witnesses:

L. J. LANDES,

J. C. BROSFURS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."