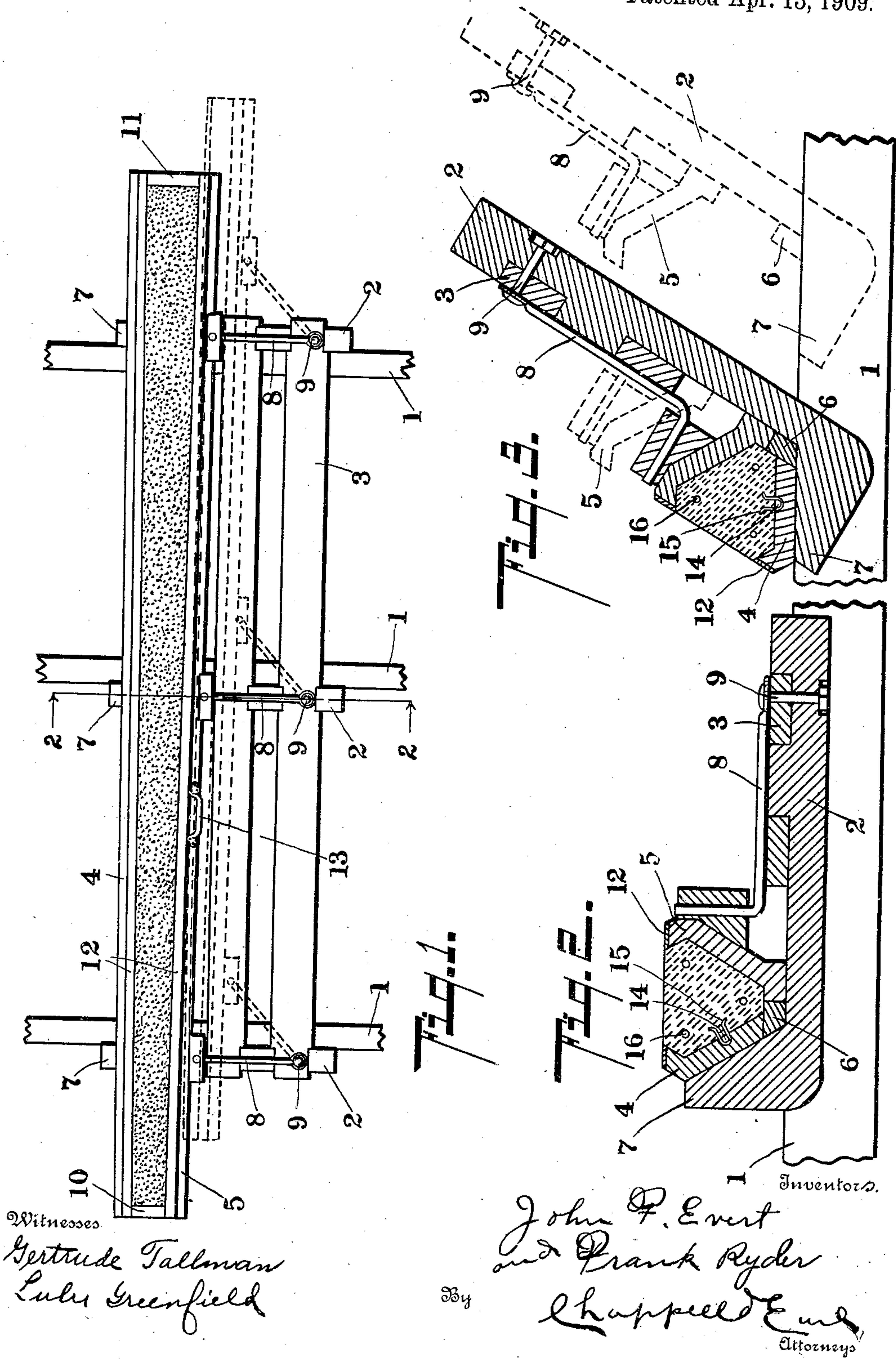


J. F. EVERT & F. RYDER.  
MOLD.

APPLICATION FILED APR. 21, 1908.

918,026.

Patented Apr. 13, 1909.





# UNITED STATES PATENT OFFICE.

JOHN F. EVERT AND FRANK RYDER, OF MENDON, MICHIGAN.

## MOLD.

No. 918,026.

Specification of Letters Patent.

Patented April 13, 1909.

Application filed April 21, 1908. Serial No. 428,324.

*To all whom it may concern:*

Be it known that we, JOHN F. EVERT and FRANK RYDER, citizens of the United States, residing at Mendon, Michigan, have invented certain new and useful Improvements in Molds, of which the following is a specification.

This invention relates to improvements in molds for concrete or artificial stone.

Our improved mold is especially designed by us as a mold for concrete or artificial stone fence posts, although by suitable modification it can be readily adapted for other purposes, as will be obvious.

The main object of this invention is to provide an improved mold which may be quickly and easily operated.

Further objects, and objects relating to structural details will definitely appear from the detailed description to follow.

We accomplish the objects of our invention by the devices and means described in the following specification.

The invention is clearly pointed out in the claims.

A structure embodying the features of our invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which,

Figure 1 is a plan view of a structure embodying the features of our invention, the adjustable section of the mold being shown in its collapsed position by dotted lines; Fig. 2 is an enlarged detail cross-section taken on a line corresponding to line 2—2 of Fig. 1, looking in the direction of the little arrows at the ends of the section lines; Fig. 3 is a corresponding section showing the manner of removing the mold from the post.

In the drawing similar numerals of reference refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, we provide rests 1 for the mold and for the molded posts, preferably consisting of a plurality of scantlings or the like, arranged on edge as illustrated. The supporting frame preferably consists of the cross bars 2 secured rigidly together by the longitudinal bars 3. This frame is adapted to rest upon the rests 1.

The mold proper, which is preferably V-shaped in form, as illustrated, is made up of longitudinal sections, preferably comprising a removable section 4, an adjustable section

5 and a fixed bottom section 6, the bottom section 6 being rigidly secured to the cross pieces 2 of the frame. The removable section 4 is adapted to rest upon the bottom section 6 and the frame is provided with supports 7 adapted to hold the removable section in its erected position. The adjustable section 5 is slidably supported upon the frame by means of the links 8, which are pivoted at 9 on the frame and are also pivoted to the adjustable section 5. These links are preferably adapted to support the adjustable section when in its erected position.

The end pieces 10 and 11 are preferably mounted on the removable section, although they may be made detachable, or the end piece 11 may be secured to the adjustable section 5 of the trough.

When the adjustable section is in its adjusted position it serves to hold the removable section in place against its support.

The mold pieces 4 and 5 are preferably faced with metal at 12 to furnish a smooth surface for the striking bar, so that the plastic material may be struck off flush with the top of the mold. The adjustable section is preferably provided with a handle 13, by which it may be conveniently swung into or out of erected position. The removable section is also preferably provided with openings as 14 adapted to receive the staple-like members 15, which are intended to receive the strands or the securing wires of a fence, the fastening members being thus suitably supported while the mold is being filled.

In use, it is intended that our improved mold shall be operated as follows: The rests 1, being properly arranged, the mold frame is placed therein in a horizontal position; the removable section 4 of the mold is put in position and the adjustable section 5 is swung into its erected position. This effectively holds the sections in their erected position. The mold is then filled, suitable strengthening cores as 16 being inserted during the filling operation if desired. The frame is then tilted to the position shown in Fig. 3, when the mold and frame will be supported by the removable section 4, which then rests upon the rests 1. The adjustable section is then swung to the position indicated by dotted lines in Figs. 1 and 3, when the frame with its attached mold section can be withdrawn, leaving the post resting upon the removable section 4. It is intended to provide a plurality of the removable mold sections, in practice.



The posts are allowed to harden or set while supported upon the removable mold sections, so that there is no danger or liability of their being cracked or fractured from handling. It is desirable to leave the posts upon the rests so that it is unnecessary to lift the posts after molding the same until they are removed for storage or use.

By this means we are enabled to manufacture the posts with a minimum amount of labor, and the device can also be quickly and easily operated.

We have illustrated and described our improved mold in the form preferred by us on account of its structural simplicity and convenience in operation. We are, however, aware that it is capable of considerable variation in structural details without departing from our invention, and we desire to be understood as claiming the same specifically, as illustrated, as well as broadly.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent, is:—

1. In a mold, the combination with the rests, of a frame adapted to rest thereon; a mold made up of sections comprising a removable section, a bottom section rigidly secured to said frame and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; supporting links for said adjustable section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into or out of its erected position, said links being adapted to support said movable section in its erected position; and end pieces for said mold secured to said removable section, whereby said frame may be tilted and withdrawn to shift the removable section from its support on said frame to said rests.

2. In a mold, the combination with the rests, of a frame adapted to rest thereon; a mold made up of sections comprising a removable section, a bottom section rigidly secured to said frame and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; and supporting links for said adjustable section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into or out of its erected position, whereby said frame may be tilted and withdrawn to shift the removable section from its support on said frame to said rests.

3. In a mold, the combination with the rests, of a frame adapted to rest thereon; a mold made up of sections comprising a removable section, a bottom section rigidly secured to said frame and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; supporting links for said adjust-

able section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into or out of its erected position; and end pieces for said mold secured to said removable section.

4. In a mold, the combination with the rests, of a frame adapted to rest thereon; a mold made up of sections comprising a removable section, a bottom section rigidly secured to said frame and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; and supporting links for said adjustable section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into or out of its erected position.

5. In a mold, the combination with the rests, of an independent removable frame adapted to rest and to be tilted and shifted on said rests; a mold made up of sections comprising a removable section, and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; supporting links for said adjustable section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into and out of its erected position, said links being adapted to support said movable section in its erected position; and end pieces for said mold secured to said removable section, whereby said frame may be tilted and withdrawn to shift the removable section from its support on said frame to said rests.

6. In a mold, the combination with the rests, of an independent removable frame adapted to rest and to be tilted and shifted on said rests; a mold made up of sections comprising a removable section, and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; and supporting links for said adjustable section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into or out of its erected position, said links being adapted to support said movable section in its erected position, whereby said frame may be tilted and withdrawn to shift the removable section from its support on said frame to said rests.

7. In a mold, the combination with the rests, of an independent removable frame adapted to rest and to be tilted and shifted on said rests; a mold made up of sections comprising a removable section and an adjustable section; a support on said frame adapted to hold said removable section in its erected position; supporting links for said adjustable section pivoted thereto and to said frame, whereby said adjustable section is slidably supported on said frame, and may



be swung into or out of its erected position; and end pieces for said mold secured to said removable section.

8. In a mold, the combination with the  
5 rests, of an independent removable frame adapted to rest and to be tilted and shifted on said rests; a mold made up of sections comprising a removable section and an adjustable section; a support on said frame  
10 adapted to hold said removable section in its erected position; and supporting links for said adjustable section pivoted thereto and

to said frame, whereby said adjustable section is slidably supported on said frame, and may be swung into or out of its erected position. 15

In witness whereof, we have hereunto set our hands and seals in the presence of two witnesses.

JOHN F. EVERT. [L. s.]

FRANK RYDER. [L. s.]

Witnesses:

WILLIAM WHITE,

SIDNEY A. SEVERANCE.