

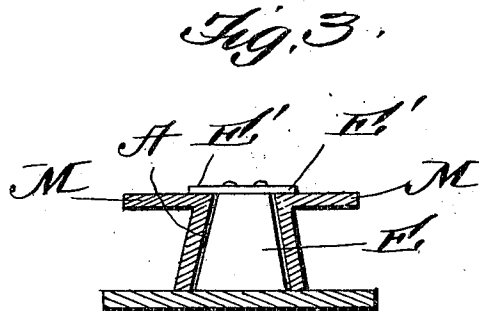
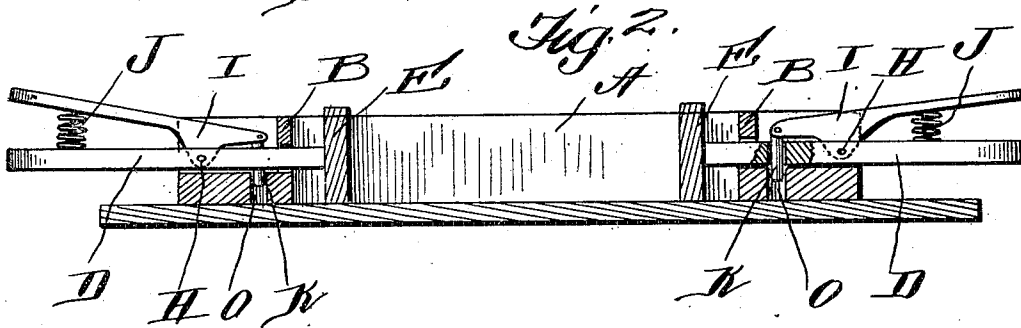
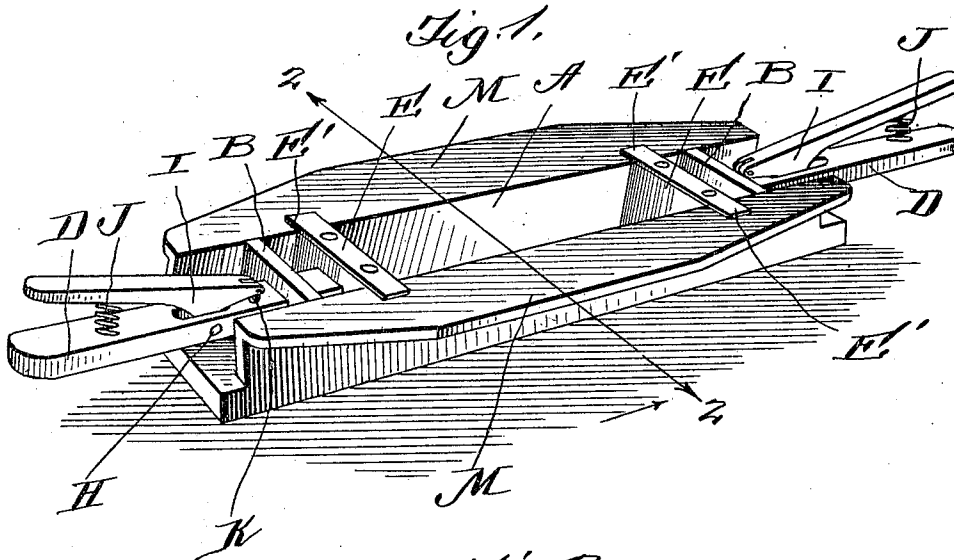
No. 838,490.

PATENTED DEC. 11, 1906.

R. F. WRIGHT.

MOLD FOR MAKING CONCRETE OR CEMENT POSTS.

APPLICATION FILED AUG. 8, 1906.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT F. WRIGHT, OF CIRCLEVILLE, OHIO.

MOLD FOR MAKING CONCRETE OR CEMENT POSTS.

No. 838,490.

Specification of Letters Patent.

Patented Dec. 11, 1906.

Application filed August 8, 1906. Serial No. 329,716.

To all whom it may concern:

Be it known that I, ROBERT F. WRIGHT, a citizen of the United States, residing at Circleville, in the county of Pickaway and State of Ohio, have invented certain new and useful Improvements in Molds for Making Concrete or Cement Posts; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in molds for making concrete or cement posts; and the object of the invention is to produce a device of this nature and so constructed that the mold may be readily removed from the post by the withdrawal of the plungers and the ends thereof.

My invention comprises various other details of construction and combination of parts, which will be hereinafter described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which—

Figure 1 is a perspective view of my mold. Fig. 2 is a central longitudinal sectional view through my invention, and Fig. 3 is a sectional view on line 2 2 of Fig. 1.

Reference now being had to the details of the drawings by letter, A designates a mold-box adapted to receive a wet mix, the opposite longitudinal walls of which box are preferably inclined outward toward their lower ends to facilitate the removal of the mold from the completed post. B B designate cross-pieces intermediate said walls, each of said cross-pieces being provided with an opening through which the bars D, which form the shank portions to the plungers E, are adapted to reciprocate. It will be noted that the opposite edge of each plunger is preferably inclined to conform to the inclinations of the opposite walls of the mold, and flanges E', projecting from the upper edge of each plunger, are adapted to slide upon the upper edges of the said walls of the mold. Pivotaly mounted upon the pin H, carried by each bar D of the plunger, is a dog I, to the end of which is fastened a pin K, extending through an aperture in the bar D and

adapted to engage an aperture O, formed in the bottom of the mold-frame. A spring J between each bar and the under edge of the dog serves to normally hold the pin at its farthest inner throw, so that when it comes in registration with the aperture O it will engage the same and hold the plunger in a fixed position. Each end of the mold-frame is equipped with a plunger of similar construction and operation.

Projecting from the outer faces of the longitudinal walls of the mold are the flanges M, the upper edges of which are flush with the edges of the side walls and provided to strengthen the walls to prevent the same from spreading and also serve as tables to prevent the material of which the post is constructed from falling outside the mold.

In operation the mold is placed upon a flat surface and the plungers attached in such positions within the molds as to mold the post in the right length, the pins carried by the dogs engaging the apertures in the bottom of the mold-frame for the purpose of locking the plungers in fixed positions. As each plunger is moved forward it is guided and supported by the plungers upon the upper edges thereof. The plungers being adjusted, the space intermediate the same and the opposite side walls of the mold are filled with the wet mix of which the concrete or cement post is to be constructed, and after the post is completed the plungers are released by depression of the dogs, causing the pin to be withdrawn from the holes of the frame of the mold, after which the plungers are withdrawn from the ends of the molded post, and by lifting up the frame the latter may be easily removed from the post, leaving the same free from the mold.

What I claim is—

1. An apparatus for molding concrete or cement posts comprising a casing having its opposite upright walls inclining toward each other and outwardly turned at their upper ends forming horizontally-disposed flanges, followers having their ends inclined to correspond to the inclinations of the side walls of the casing, cross-pieces intermediate said inclined walls, each provided with a guide-aperture, a plunger-stem secured to each follower and guided through one of said apertures of the cross-pieces, a spring-pressed lever mounted upon said plunger-stem, a pin fitted to the end of said lever and adapted to en-

gage registering apertures in said stem and in a projecting portion of said cross-piece, as set forth.

2. An apparatus for molding concrete or
5 cement posts comprising a casing having its opposite upright walls inclining toward each other and outwardly turned at their upper
10 ends forming horizontally-disposed flanges, followers having their ends inclined to correspond to the inclinations of the side walls of the casing, a cross-piece secured to the upper
15 edge of each follower and projecting beyond the ends thereof and adapted to rest upon the horizontal portions of said flanges, a
plunger-stem fixed to each follower, cross-

pieces mounted within said casing and each provided with an aperture through which the plunger-stems are adapted to be guided, a spring-pressed lever pivotally mounted upon each of said stems, the under surface of each
20 stem adapted to rest upon the upper surface of a lateral extension of each cross-piece, a pin pivotally connected to each lever and adapted to engage registering apertures in
25 said stem and an extension to a cross-piece, as set forth.

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

ROBERT F. WRIGHT.

Witnesses:

H. R. HEFFNER,
A. R. VAN CLEEF.