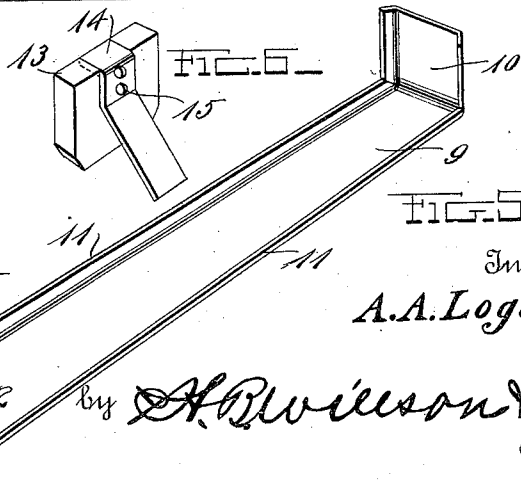
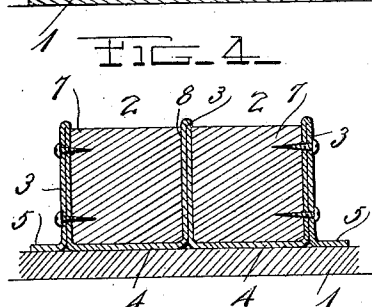
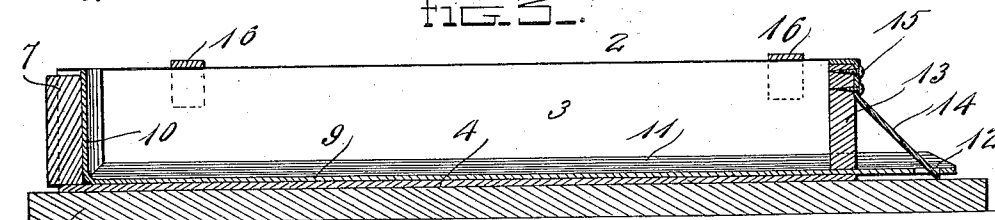
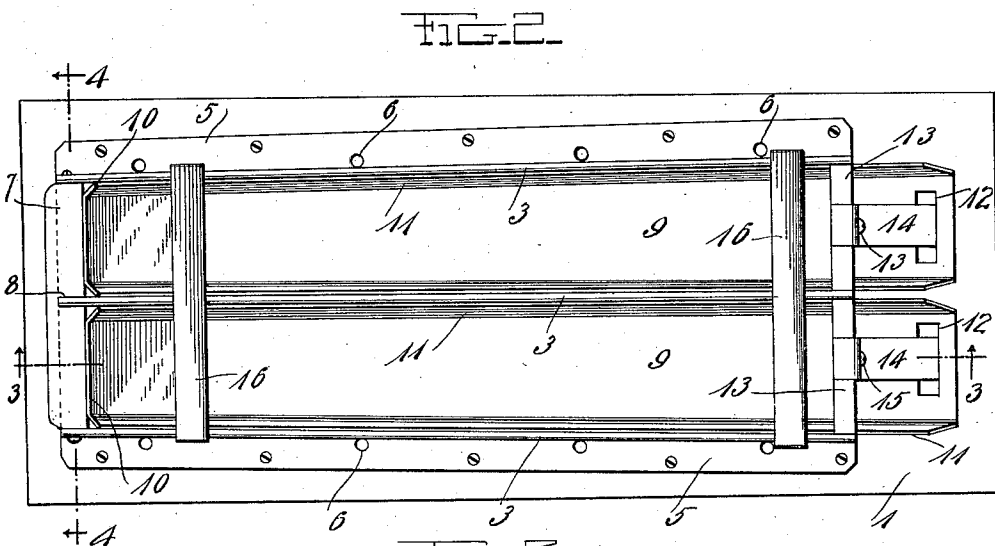
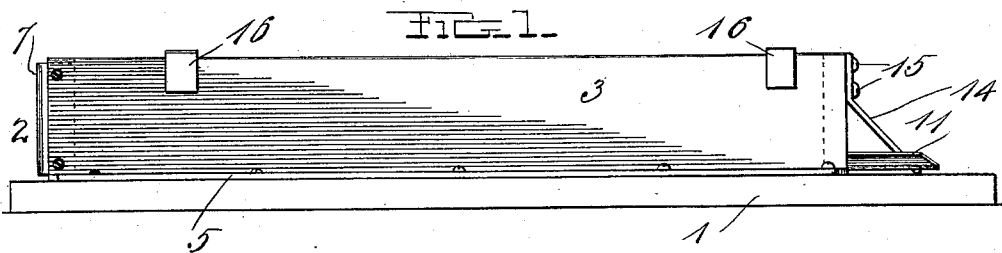


A. A. LOGAN.  
 FENCE POST MOLD.  
 APPLICATION FILED OCT. 12, 1911.

1,054,577.

Patented Feb. 25, 1913.



Witnesses  
 R. R. Pierce  
 C. E. Hunt.

Inventor  
 A. A. Logan.

by *H. B. Wilson & Co.*  
 Attorneys

# UNITED STATES PATENT OFFICE.

ALFRED A. LOGAN, OF GLENWOOD, MISSOURI.

FENCE-POST MOLD.

1,054,577.

Specification of Letters Patent. Patented Feb. 25, 1913.

Application filed October 12, 1911. Serial No. 654,317.

*To all whom it may concern:*

Be it known that I, ALFRED A. LOGAN, a citizen of the United States, residing at Glenwood, in the county of Schuyler and State of Missouri, have invented certain new and useful Improvements in Fence-Post Molds; and I do 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.

This invention relates to improvements in fence post molds.

One object of the invention is to provide an improved fence post mold, the construction and arrangement of which will permit the finished post to be readily removed therefrom.

Another object is to provide a mold of this character which will be simple, strong and durable in construction, efficient in operation and well adapted to the purpose for which it is designed.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawing; Figure 1 is a side view of my improved mold; Fig. 2 is a top plan view thereof; Fig. 3 is a vertical longitudinal sectional view on the line 3—3 of Fig. 2; Fig. 4 is a vertical cross sectional view on the line 4—4 of Fig. 2; Fig. 5 is a detail perspective view of the pallet or removable bottom and end plate of one section of the mold; Fig. 6 is a similar view of one of the removable base end plates of the mold.

My improved mold is designed to be constructed in the form of a plurality of parallel sections and in the present instance is shown as comprising two sections and as consisting of a base board or plate 1 which may be of any desired size and on which is secured the mold sections 2. The mold sections are preferably formed of resilient sheet metal which is bent back upon itself at intervals to form the longitudinal sides 3 of double thickness and bottoms 4 of the mold sections of single thickness as clearly shown in Fig. 4 of the drawings. The outer edges of the plate after forming the outer sides of the mold sections are bent at right angles to form attaching flanges 5 through which and through the bottoms 4 of the mold sections

are driven screws or other suitable fastening devices whereby the mold sections are secured to the base board 1 of the mold. On the flanges 5 and the adjacent portions of the base plate are holes 6 through which may be driven fastening devices for securing the base board of the mold to any suitable support. In the top or head end of the mold is arranged a stationary end block 7 in which midway between its ends is a notch 8 adapted to receive the intermediate side plates of the mold sections, while to the ends of said block 7 are secured the outer sides of the mold sections.

Slidably engaged with the bottom between the sides of the mold sections, are pallet plates 9 having their inner ends bent upwardly at right angles to form end plates 10 which, when the plates are in place, engage the stationary end blocks 7 of the mold sections. The pallet plates 9 and their end plates 10 have their edges bent inwardly at an obtuse angle to form narrow flanges 11, which, when the plates are in place, engage the sides of the mold sections as shown. The pallet plates 9 are preferably of greater length than the mold sections and project beyond the same at one end, said projecting ends having therein transverse slots 12.

With the base ends of the mold sections are adapted to be engaged removable base end blocks 13 of sufficient width to fit closely between the sides of the mold sections and having the corners of their lower ends beveled or cut off at an angle as shown to permit the lower ends of the blocks to fit closely against the inclined flanges 11 on the edges of the pallet plates 9. The blocks 13 are held in position in the base ends of the mold sections, and are firmly braced, by inclined brace bars 14, the upper ends of which are bent at an angle to fit the upper edges of the blocks, said upper edges being recessed to receive the angular ends of the braces, said ends being further secured to the block by screws 15 as shown. When thus arranged the outer or lower ends of the braces are engaged in the slots 12 in the ends of the pallet plates 9 and the blocks 13 securely held in position in the ends of the mold sections.

The sections of the mold preferably taper from their base ends toward their head ends and after the pallet plates 9 and base blocks 13 have been arranged in the sections, tie or bracing bars 16 are engaged with the

outer sides of the sections at their narrower ends and then slipped toward the broader base ends thus binding the sides of the sections against the edges of the pallet plates and the base blocks 13 and firmly bracing or holding said sides in position to receive the cement or plastic composition of which the posts are to be formed. After the cement has been placed in the sections of the mold to form the post and has become sufficiently set, the bracing bars 16 are removed, thus permitting the sides of the mold sections to spring back to a slight extent away from the sides of the molded post and out of engagement with the edges of the pallet plates and blocks 13 whereupon said plates and blocks together with the molded posts may be readily drawn out of the base ends of the sections and from between the sides thereof. By thus constructing and arranging the mold sections and the pallet plates it will be seen that the posts after being molded may be readily removed from the mold sections and set aside to thoroughly dry, while other pallet plates may be placed in the mold sections and the latter again used for forming other posts.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described my invention, what I claim is;

1. In a mold of the character described, a base board, a plurality of mold sections secured to said board, longitudinal pallet plates removably seated within said sections and each having an end plate formed on one end thereof and a transverse slot in its opposite end, a removable base block se-

cured between the base ends of the mold sections, an inclined brace secured to the removable base block and projecting through the slot of a pallet plate, and means to press inwardly the sides of the mold sections into engagement with the edges of the pallet plates and base blocks, for the purposes set forth.

2. In a fence post mold, a base board, a plurality of mold sections, said sections being constructed from sheet metal bent to form the longitudinal sides and bottoms of the mold sections, a stationary head block secured in one end of said mold sections, pallet plates slidably engaged with said mold sections, end plates formed on one end of said pallet plates, said end plates and pallet plates having their edges bent inwardly at an oblique angle to form flanges adapted to fit across the sides of the mold sections, said pallet plates having their outer ends projecting beyond the base ends of the mold sections and having in their projecting ends transverse slots, base blocks adapted to be arranged between the sides of the mold sections at their base ends, braces secured to said blocks and adapted to engage the slots in the projecting ends of the pallet plates, and bracing bars having a sliding engagement with the outer sides of the mold sections whereby the latter are clamped into close engagement with the edges of the pallet plates, and base blocks and whereupon when said bracing bars are removed the sides of the mold sections will spring back out of engagement with the edges of the pallet plates and base blocks and the molded posts thereby permitting the removal of said plates and posts.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALFRED A. LOGAN.

Witnesses:

JULE H. KELLER,  
JOSHUA H. CROSKY.