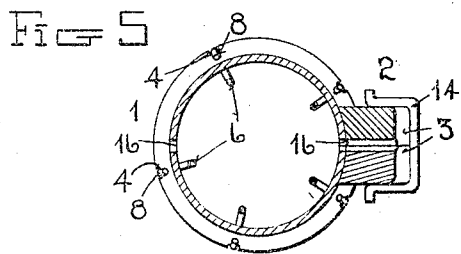
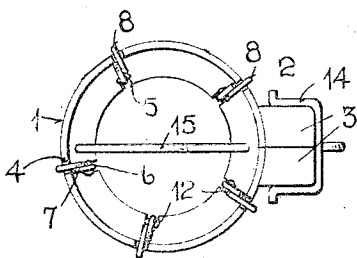
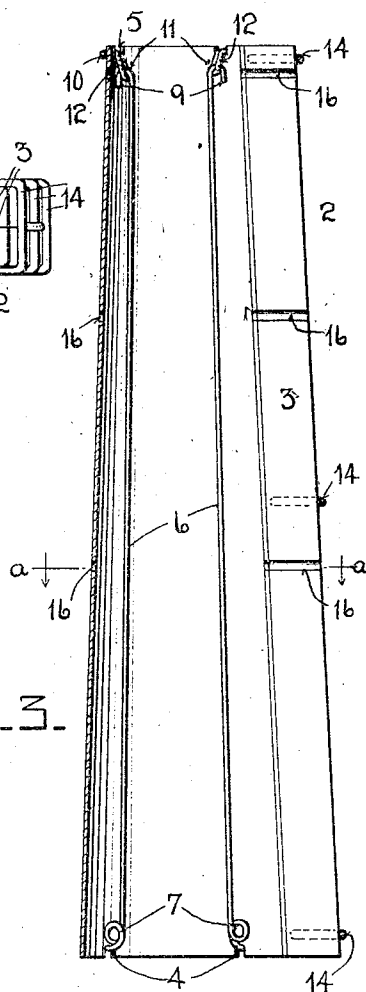
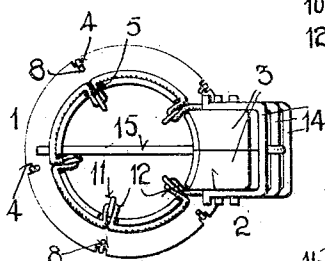
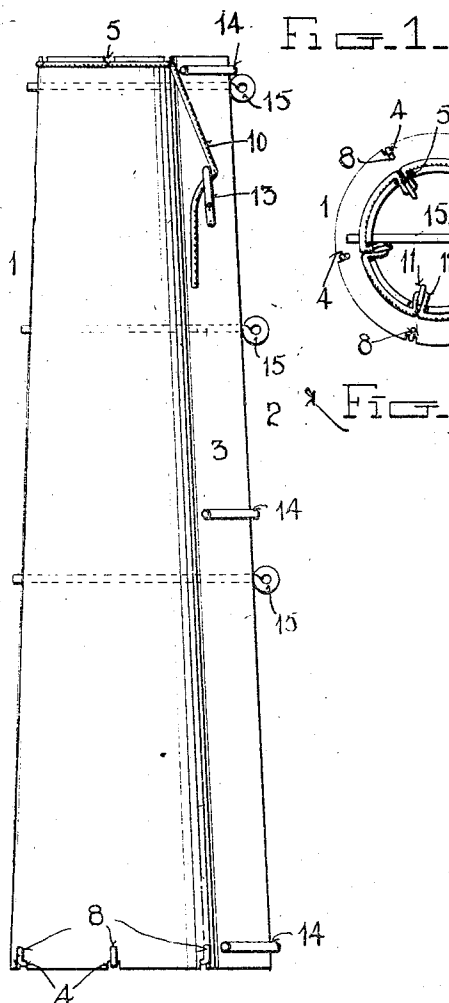


No. 884,502.

PATENTED APR. 14, 1908.

C. F. KYSER.
FENCE POST MOLD.
APPLICATION FILED JAN. 17, 1907.



Witnesses

L. B. James
C. F. Griesbauer

Fig. 4

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UNITED STATES PATENT OFFICE.

CHARLES F. KYSER, OF SARANAC, MICHIGAN.

FENCE-POST MOLD.

No. 884,502.

Specification of Letters Patent.

Patented April 14, 1908.

Application filed January 17, 1907. Serial No. 352,768.

To all whom it may concern:

Be it known that I, CHARLES F. KYSER, a citizen of the United States, residing at Saranac, in the county of Ionia and State of Michigan, 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.

My invention is an improved mold for molding cement composition fence posts and other suitable structures; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

In the accompanying drawings,—Figure 1 is an elevation of a mold constructed in accordance with my invention; Fig. 2 is a top plan view of the mold; Fig. 3 is a longitudinal sectional view of the same. Fig. 4 is a bottom plan view of the same; and Fig. 5 is a transverse sectional view of the same, taken on the plane indicated by the line *a—**a* of Fig. 3.

My improved mold 1 is preferably made from a single piece of suitable sheet metal bent in slightly conical form, so that its upper end is of less diameter than its lower end and its sides are caused to taper from its bottom to its top. At the front edges 2 of the metallic flexible body 1 of the mold are secured longitudinally-disposed, outwardly-extending bars 3, which may be made of wood or of any other suitable material and which serves to stiffen the said edges of the mold body and to also form outwardly-projecting flanges at such edges. In the lower edge of the mold body are notches 4 and at the upper edge thereof are notches 5.

Within the mold body are a series of detachable longitudinally-disposed wires or rods 6, which are used when molding a fence post, column or like structure, to become embedded in the material composing the same for the purpose of strengthening such structure. Each of said wires or rods is provided with an offset at its lower end, here shown as a loop 7, and with an outwardly and upwardly extending hook 8 to engage one of the notches 4, the offset 7 bearing against the inner side of the mold body to space said wires or rods therefrom. Said wires or rods are also formed at their upper ends with hooks or other devices 9 to bear

against the inner side of the mold body, spacing their upper ends therefrom and also adapting the said upper ends to be secured to the mold body until after the article has been molded, and to then enable the said upper ends to be detached readily from the mold body to enable the molded article to be removed therefrom.

Within the scope of my invention, any suitable means may be employed to detachably secure the upper ends of the wires or rods. For the purposes of this specification, I show a cord 10, which is passed around the upper portion of the mold body, has one end secured to one of the bars 3, as at 11, and is formed with loops 12, which enter the notches 5 and engage the hooks or securing devices 9, the opposite end of the said securing cord being secured to the other bar 3 by a button or other suitable device 13. The flexible spring metal body, which is open longitudinally on one side, from end to end, tends to partly open to enlarge its diameter.

In the operation of the mold, after the wires or rods 6 have been secured therein, the open side of the mold is closed by causing the flange bars 3 to be pressed together, and substantially U-shaped clamps or other suitable devices 14 are then placed astride of said flange bars to thus secure them together and secure the mold body in a closed position. The mold body is then stood on either end and the cement composition is put into the same from the other end thereof, and if necessary or desirable, is tamped from time to time while being put therein. Pins 15 are passed through the composition while it is plastic and through openings 16, which are formed in one side of the mold body and in the opposing sides of the flange bars, and when the composition has set, the said pins are then withdrawn and form openings, which extend diametrically through the molded post to enable bolts to be passed therethrough and employed in connection with a suitable bar of wood or iron to clamp a fence of any kind between said bar and the post. The cord is then cut, so as to release the upper ends of the rods or wires 6, the clamps removed from the flange bars, the mold body is opened and the molded article, together with the wires or rods embedded therein, is then removed from the lower enlarged end of said mold body.

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.

5 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 this invention, as defined by the appended claim.

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

15 A mold of the type described, composed of spring sheet metal and open at one side, said mold being provided at its upper and lower ends with longitudinally disposed notches and having outwardly extending flanges at

its open side, said flanges comprising relatively thick wooden bars provided on their inner faces with transverse registering 20 grooves, and the wall of the mold having perforations respectively diametrically opposite said grooves, and U-shaped clamps removably applied to said flanges for securing them together and holding the open 25 side of the mold closed.

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

CHARLES F. KYSER.

Witnesses:

WILLIAM R. PAYNE,
EMMET T. WHITE.