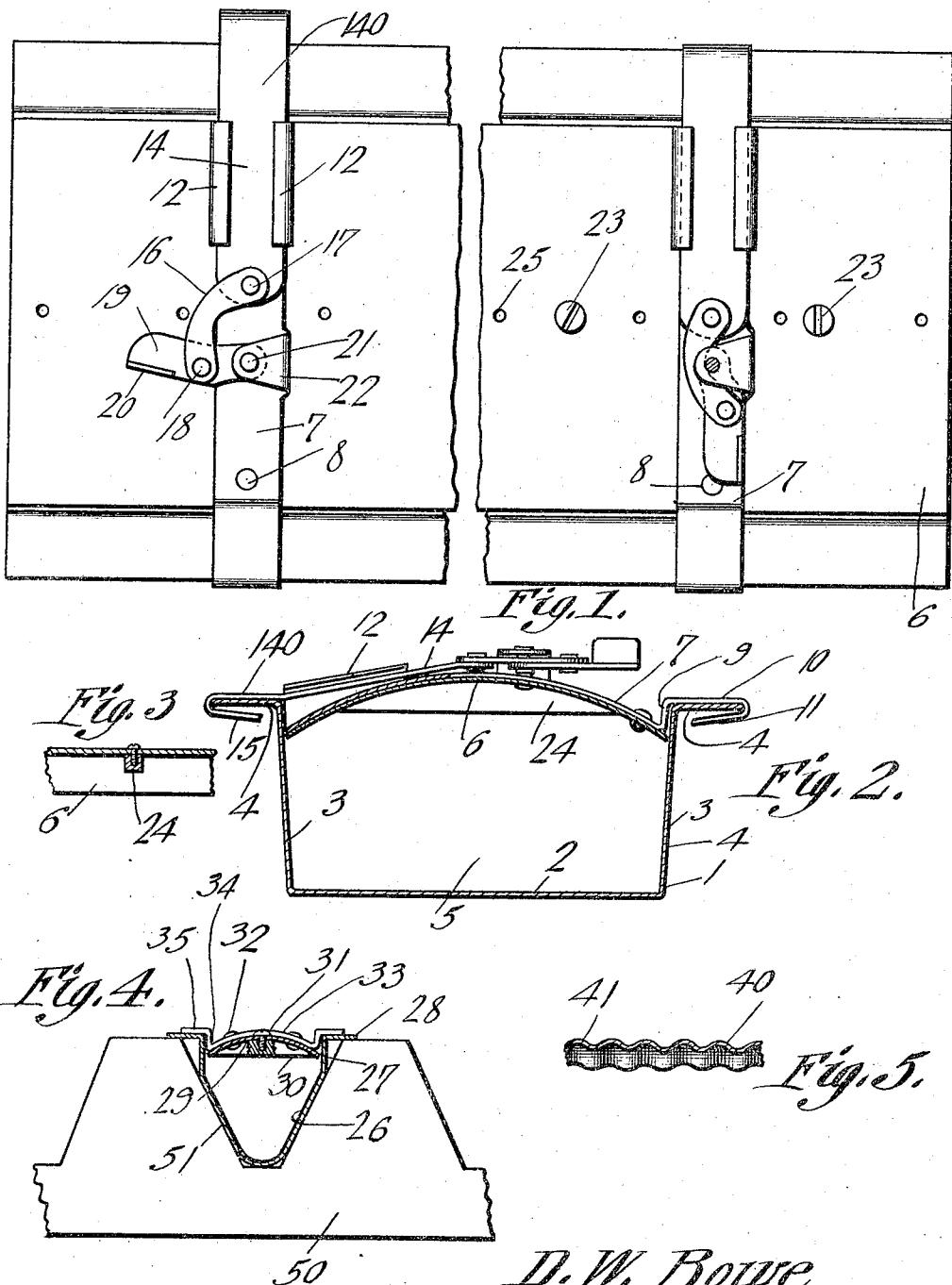


D. W. BOWE.
MOLDING CAP OR COVER.
APPLICATION FILED OCT. 17, 1916.

1,237,160.

Patented Aug. 14, 1917.



Witnesses

J.P. Tamm
R.L. Parker

Inventor

by *C. Bowe*
Attorneys

UNITED STATES PATENT OFFICE.

DAVID W. BOWE, OF TOLEDO, OHIO.

MOLDING CAP OR COVER.

1,237,160.

Specification of Letters Patent. Patented Aug. 14, 1917.

Application filed October 17, 1916. Serial No. 126,158.

To all whom it may concern:

Be it known that I, DAVID W. BOWE, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Molding Cap or Cover, of which the following is a specification.

The device forming the subject matter of this application is adapted to be employed for fashioning a post one face of which is outwardly convexed.

The invention aims to provide novel means whereby a convexity may be formed in one face of the post: to provide novel means whereby the post may be notched to receive cross arms: to provide novel means for holding on the mold, the cover whereby a convexity is given to the post: and, generally, to improve and to enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in top plan, a post mold embodying the present invention, parts being broken away;

Fig. 2 is a transverse section of the structure shown in Fig. 1;

Fig. 3 is a fragmental longitudinal section taken through the cover portion of the mold;

Fig. 4 is a cross section showing a modification of the invention; and

Fig. 5 is a fragmental longitudinal section showing a further modification.

In carrying out the present invention there is provided a mold 1 which may be made of metal, the mold including a bottom 2 and side walls 3 having outstanding flanges 4, the mold being closed at its ends as indicated at 5.

The invention includes a cover 6 which, like the mold 1 is made of metal. The cover 6 convexes outwardly, so that one face of the post formed in the mold 1 will be given a convexity. The cover 6 fits between the side walls 3 of the mold 1.

Any desired number of locking strips 7 may be attached to the cover 6 by means of securing elements 8. The locking strip 7 is bent upwardly as indicated at 9, to form a shoulder coacting with one of the side walls 3 of the mold 1, the shoulder 9 being extended as shown at 10 to lie on top of one of the flanges 4, and being under bent to form a hook 11, engaged beneath said flange 4. The locking strip 7 adjacent one end is provided with overhanging guides 12. Mounted to reciprocate in the guides 12 is a locking strip 14 extended as shown at 140 across the other flange 4 of the mold 1 and terminating in an underlying hook 15 located beneath the said flange. A link 16 is pivoted at 17 to the strip 14 and is pivoted as indicated at 18 to a lever 19 having a thumb piece 20 whereby it may be operated, the lever 19 being pivoted at 21 to an ear 22 constituting a part of the strip 7 and overhanging the said strip.

Securing elements 23 pass through the cover 6 and hold in place on the under side 80 of the cover, any desired number of ribs 24. These ribs 24 are adapted to form transverse notches in the post, the notches being of use when it is desired to mount cross arms on the post, as is the common practice 85 when telegraph wires are to be strung. The cover 6 may be equipped with any desired number of vent openings 25, preventing a collection of air and moisture beneath the cover 6.

In the modified form of the invention shown in Fig. 4, the mold includes sides 26 terminating in upright extensions 27 having outstanding flanges 28. The cover 29 is outwardly convexed as before, and is provided with ribs 30 having the functions of the ribs 24. The ribs 30 are held in place by securing elements 31. Attached at 32 to the cover 29 is a bar or strip 33 having shoulders 34 which bear against the inner 95 faces of the extensions 27, the shoulders 34 being prolonged to form fingers 35 overhanging the flanges 28.

In the modified form of the invention shown in Fig. 5, the cover is denoted generally by the numeral 40 and is provided 105 with corrugations 41 which will form transverse ribs in the outer face of the post.

Referring to the form shown in Figs. 1 and 2, it will be obvious that when the lever 19 is swung on the pivot element 21, the link 110 16 will draw the member 14 toward the

member 7, whereupon the hooks 11 and 15 will coat with the flanges 4 of the mold 1 to hold the cover in place. The form shown in Fig. 4 is employed when it is considered unnecessary to lock the cover 29 on the mold. As indicated in Fig. 4, a plurality of molds may be mounted in a support 50 having recesses or notches 51 adapted to receive the molds.

10 It is to be observed that the link 16 is curved on its inner edge, so as to span the pivot element 21 whereby the lever 19 is connected with the ear 22. As a consequence, when the lever 19 is swung around 15 into the position shown at right hand end of Fig. 1, that is, until the inner edge of the lever 16 abuts against the pivot element 21, the locking members 14 and 7 will be held against relative movement in outward direction until such time as the lever 19 has been swung around substantially into the position shown in the left hand end of the Fig. 1.

15 The aggregate in a wet and plastic form is placed in the mold 1, the aggregate being in a soft condition, so soft, in fact, that it cannot be tamped. The mold 1 is filled flush with its upper edge, and then is shaken down, the upper surface of the aggregate in 20 the mold being a trifle below the upper edge of the mold. The convexed cover 6 then is placed between the side walls 3 of the mold and is depressed. When the cover 6 is depressed, the wet aggregate flows from the 25 sides 3 of the mold toward the longitudinal center of the mold and fills the convexity in the under side of the cover 6, air passing cutwardly through the vents 25. Finally, the cover 6 is held against upward movement, by the locking mechanism provided 30 for that purpose and hereinbefore described.

35 Having thus described the invention, what is claimed is:—

1. In a device of the class described, a 40 mold having outstanding flanges; an outwardly convexed cover located within the contour of the mold; locking members extended transversely of the mold and provided with hooks engaging the flanges, one 45 of said locking members being fixed; and means for producing relative longitudinal movement between the locking members to cause the hooks to engage with the flanges.

2. A device for making posts out of fluid 50 concrete, comprising a mold including side walls; an outwardly convexed cover mounted between the side walls and depressible therebetween to cause the concrete to move toward the center of the mold and thus to 55 rise in the crown of the cover, the crown of

the cover being provided with an air vent; and a locking means carried by the cover and engaging the mold to prevent a raising of the cover by the tendency of the concrete to flow laterally in opposite directions, the locking means constituting mechanism for limiting the depression of the cover, whereby when the cover is depressed to its extreme position, the crown of the cover will lie above the upper edges of the side walls. 70

3. In a device of the class described, a mold including side walls having outstanding flanges; an outwardly convexed cover located between the side walls of the mold; a locking member secured to the cover, one 75 end of the locking member being provided with a shoulder engaging one side wall, the shoulder terminating in a hook engaging one flange, the other end of the locking member being provided with guides; a second locking member mounted to slide in the guides and provided with a hook engaging the other flange of the mold; and means for producing relative movement between the locking members to cause the hooks to engage 80 the flanges of the mold.

4. In a device of the class described, a mold including side walls; an outwardly convexed cover located between the side walls; a fixed locking member on the cover 90 and provided with a hook engaging one flange, the locking member being provided with a guide; a second locking member mounted to slide in the guide and equipped with a hook engaging the other flange; a 95 lever pivoted to the fixed locking member; a link; and pivot elements uniting one end of the link with the second locking member and uniting the other end of the link with the lever intermediate its ends. 100

5. A device for making posts out of fluid concrete, comprising a mold including side walls; an outwardly convexed cover mounted between the side walls and depressible therebetween to cause the concrete to move 105 toward the center of the mold and to rise to the crown of the cover, the crown of the cover being provided with an air vent; and means for locking the cover to the mold against upward movement, to prevent a raising of the cover by the tendency of the concrete to flow laterally in opposite direction. 110

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

DAVID W. BOWE.

Witnesses:

PHYLLIS HACKETT,
MAURICE ALLEN.