

W. G. HENKLE.
MOLD FOR CONCRETE POSTS.
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1,298,341.

Patented Mar. 25, 1919.

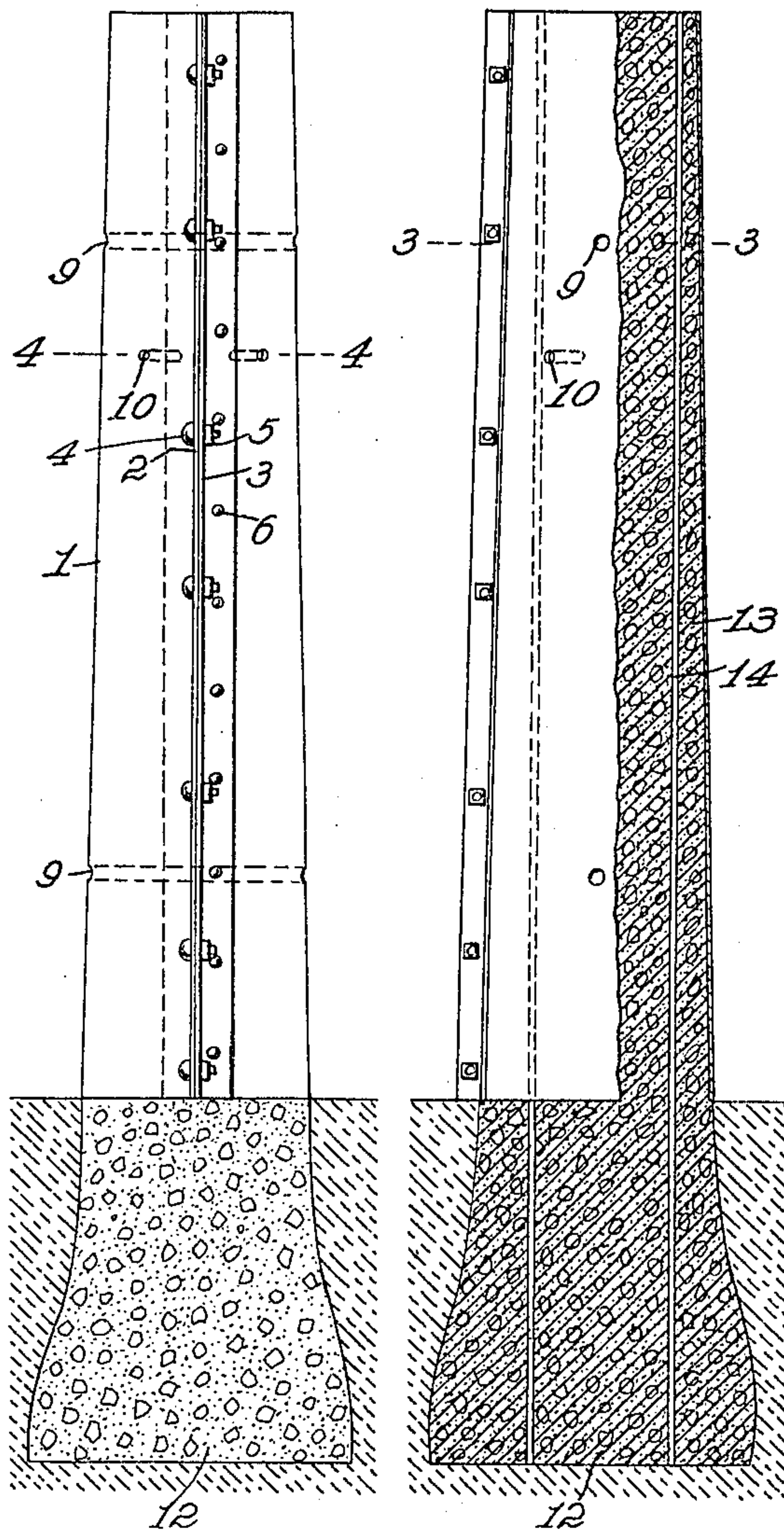


Fig. 1.

Fig. 2.

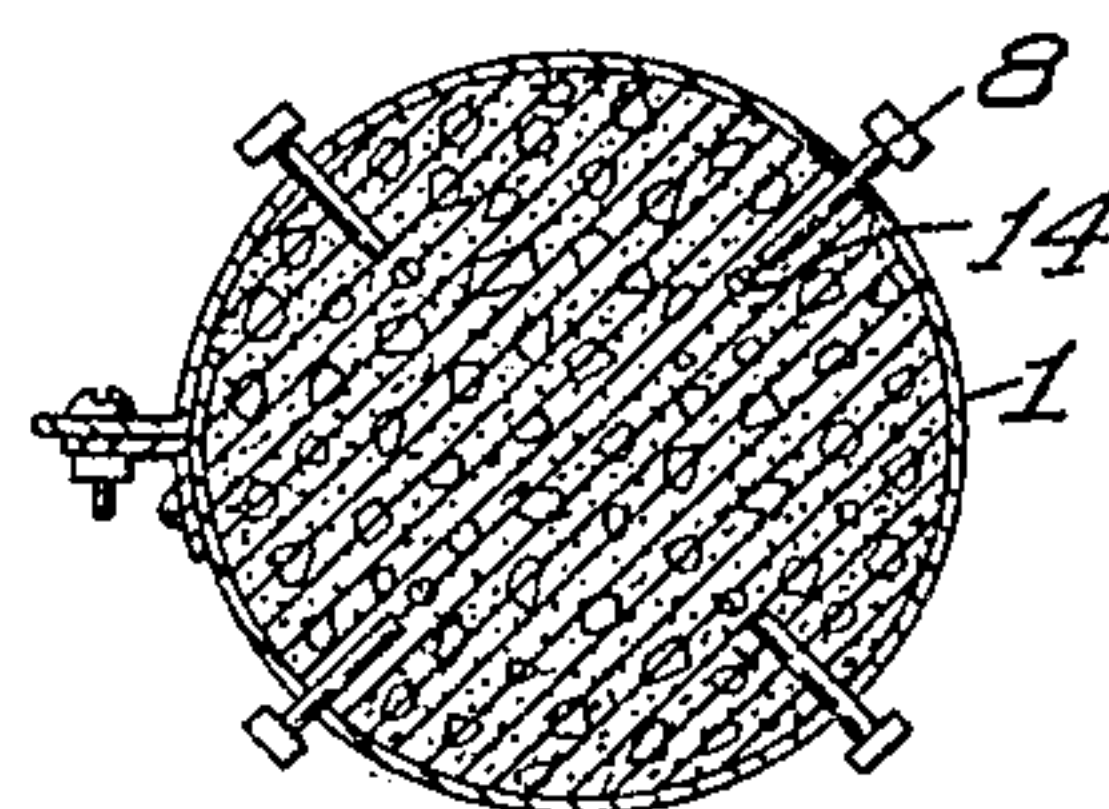
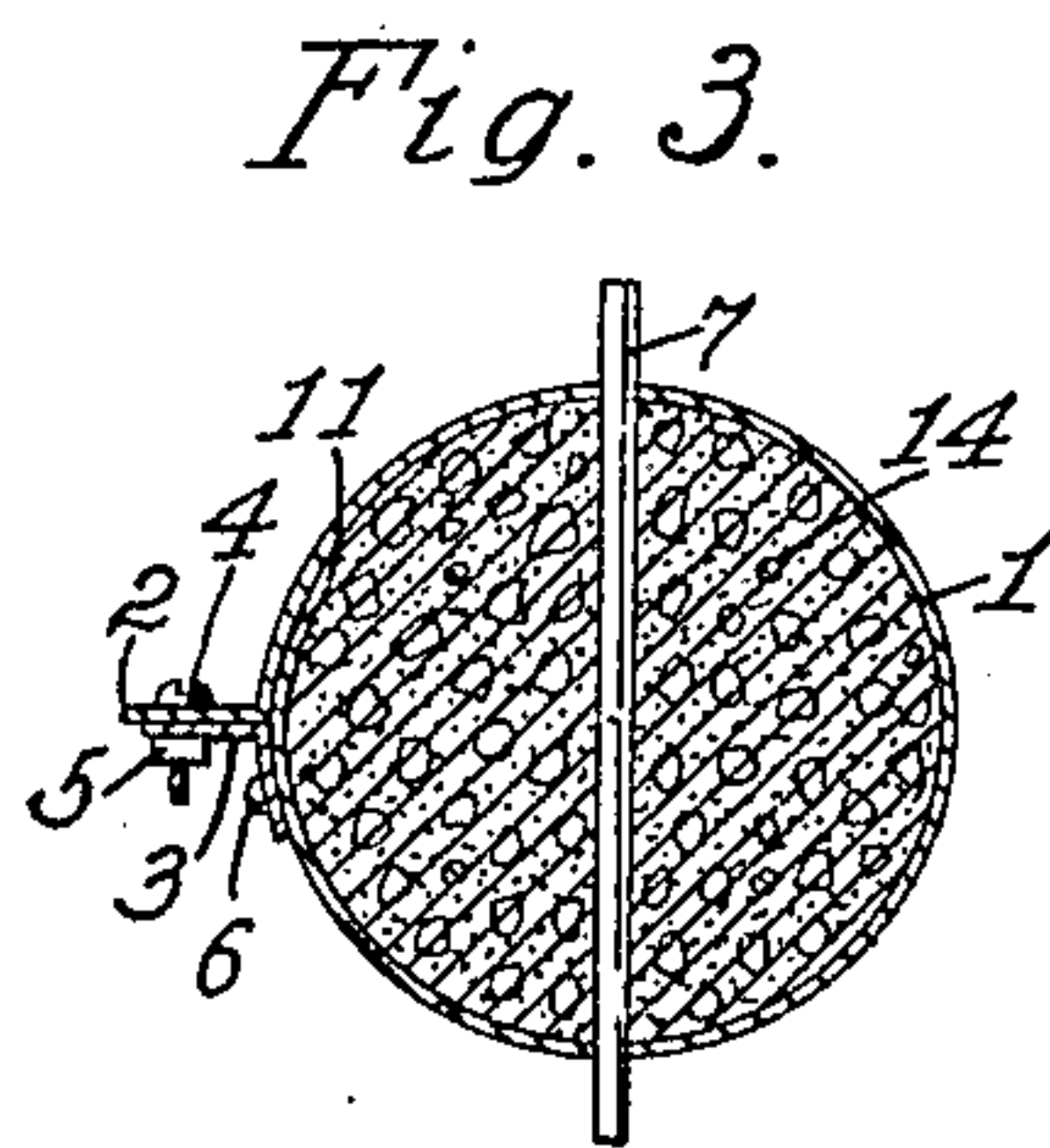


Fig. 4.

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MOLD FOR CONCRETE POSTS.

1,298,341.

Specification of Letters Patent.

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Application filed July 22, 1918. Serial No. 245,972.

To all whom it may concern:

Be it known that I, WILLARD G. HENKLE, a citizen of the United States, residing at Garrison, in the county of Benton and State of Iowa, have invented certain new and useful Improvements in Molds for Concrete Posts, of which the following is a specification.

My invention relates to improvements in molds for concrete posts, and the object of my improvement is to furnish a resilient removable tubular mold having convenient locking-means, and provided with various means for producing sockets or hollows in a molded post to receive securing bodies for other parts after the post is removed from the mold.

This object I have effected by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which Figure 1 is an elevation of my improved tubular removable mold as secured about a newly formed post within it, and Fig. 2 is a similar view, taken at an angle of ninety degrees from Fig. 1, and having a part of the mold broken away, and a part of the inclosed post and its base shown in vertical section; and Figs. 3 and 4 are horizontal sections of the mold and the inclosed post, taken respectively on the broken lines 3—3 of Fig. 2, and of 4—4 of Fig. 1.

Similar numerals of reference denote corresponding parts throughout the several views.

The mold is tubular, in the form of an elongated frustum of a cone, made from a resilient plate of metal bent around to have one longitudinal edge part bent outwardly angularly at 2 and overlapping the other longitudinal edge part 11. A piece of plate is bent longitudinally into angle-bar shape at 3 and secured by rivets 6 along the overlapped part of the plate to abut upon one face of the flange-part 2 of the other plate, and both of the contacting flanges are orificed in registration at several places to receive the fastening bolts 4 secured by means of nuts 5. When the nuts are removed from the bolts, or are brought near to the ends of the latter the resiliency of the mold 1 causes the overlapping parts to spread apart.

At about the same distances from its top and bottom, the mold 1 is supplied with diametrically opposite orifices 9, and somewhat below the upper orifices 9, and out of line therewith vertically, are supplied in the mold 1 four horizontally arranged orifices 10. The numeral 14 denotes the several vertical reinforcing rods placed lengthwise within the mold to extend downwardly therefrom a distance, and spaced from the inner mold wall.

The mold when its contacting flanges 2 and 3 have been fastened together, is placed with its reinforcing rods 14 extending downwardly into post-holes such as shown, where preferably the post-holes are widened at their lower ends. The concrete is filled into the post-holes to provide the conical bases 12 and the mold 1 is also filled with concrete to produce a post 13 therein, and when the concrete has set sufficiently, the nuts 5 are loosened, to permit of spreading apart of the mold walls, so that the mold can be withdrawn upwardly, a process facilitated by the conical form of the newly made post. Before the withdrawal of the mold from the post, rods 7 are placed across the mold by passing them through the orifices 9, and after the forming of the post, these rods may be withdrawn, leaving transverse holes in the post which may be utilized later in putting hinges through if a gate is to be hung on the post.

Short bolts or pins 8 are passed into the other orifices 10, as shown in Fig. 4, and withdrawn after the formation of the post to leave shallow sockets therein, and these sockets may be later utilized to receive short bolts or the like to prevent braces from slipping on the post.

This mold works effectively in practice, and is cheap in construction, and useful for the purpose. Other means for fastening the longitudinal edges of the mold together may be employed and yet come within the principle of my invention.

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

A mold for concrete posts, comprising a resilient plate bent into a conical frustum with overlapped longitudinal edges, an angle-bar secured to the outer wall of the mold

near the overlapped longitudinal edge, the overlapping part of the mold being bent outwardly to be opposite said angle-bar, and removable devices for securing said longitudinally bent part of the mold to said angle-bar to hold said edge parts in overlapped relation.

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

WILLARD G. HENKLE.

Witnesses:

E. H. BAUM,
HAROLD F. McCLELLAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."