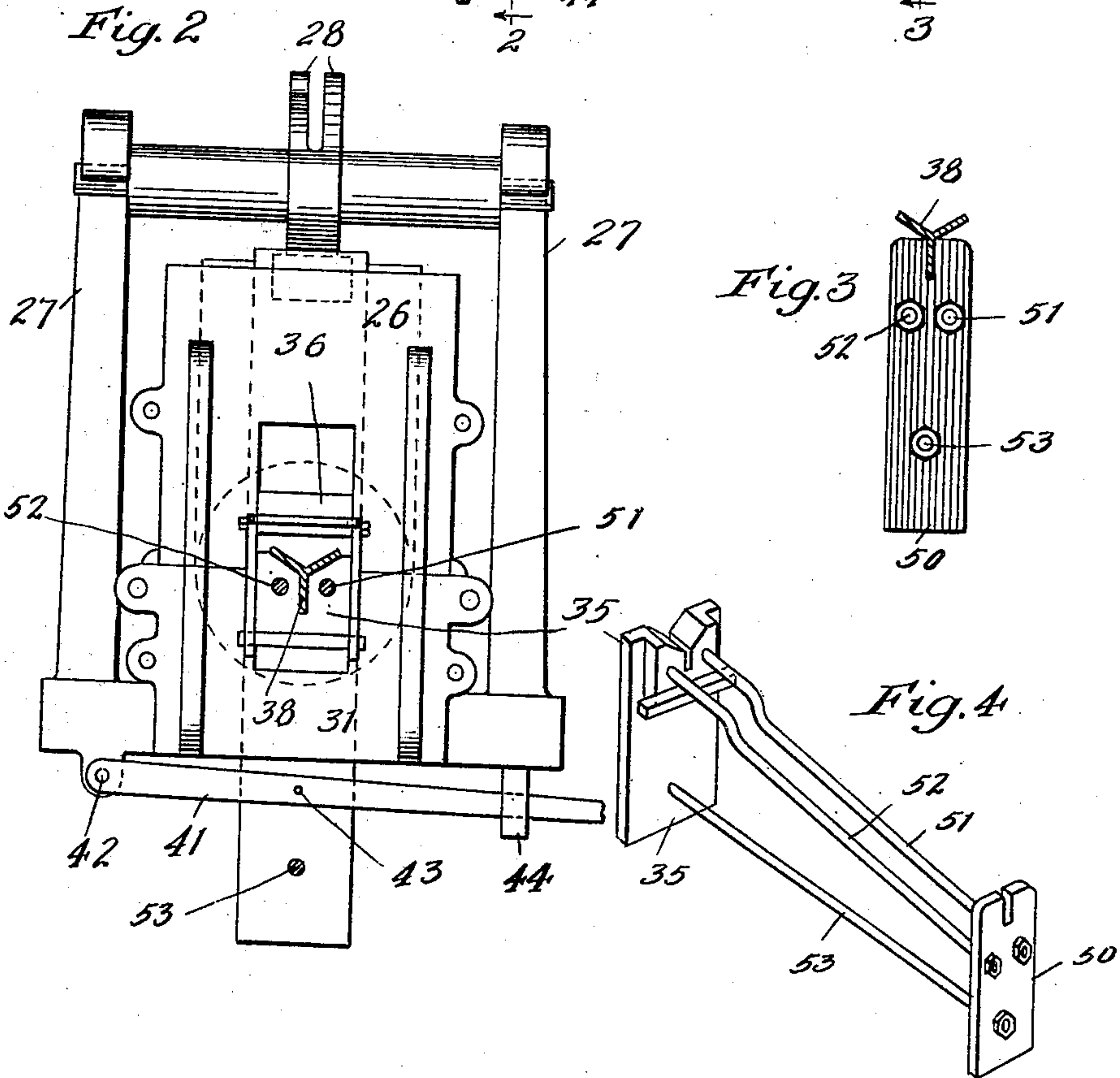
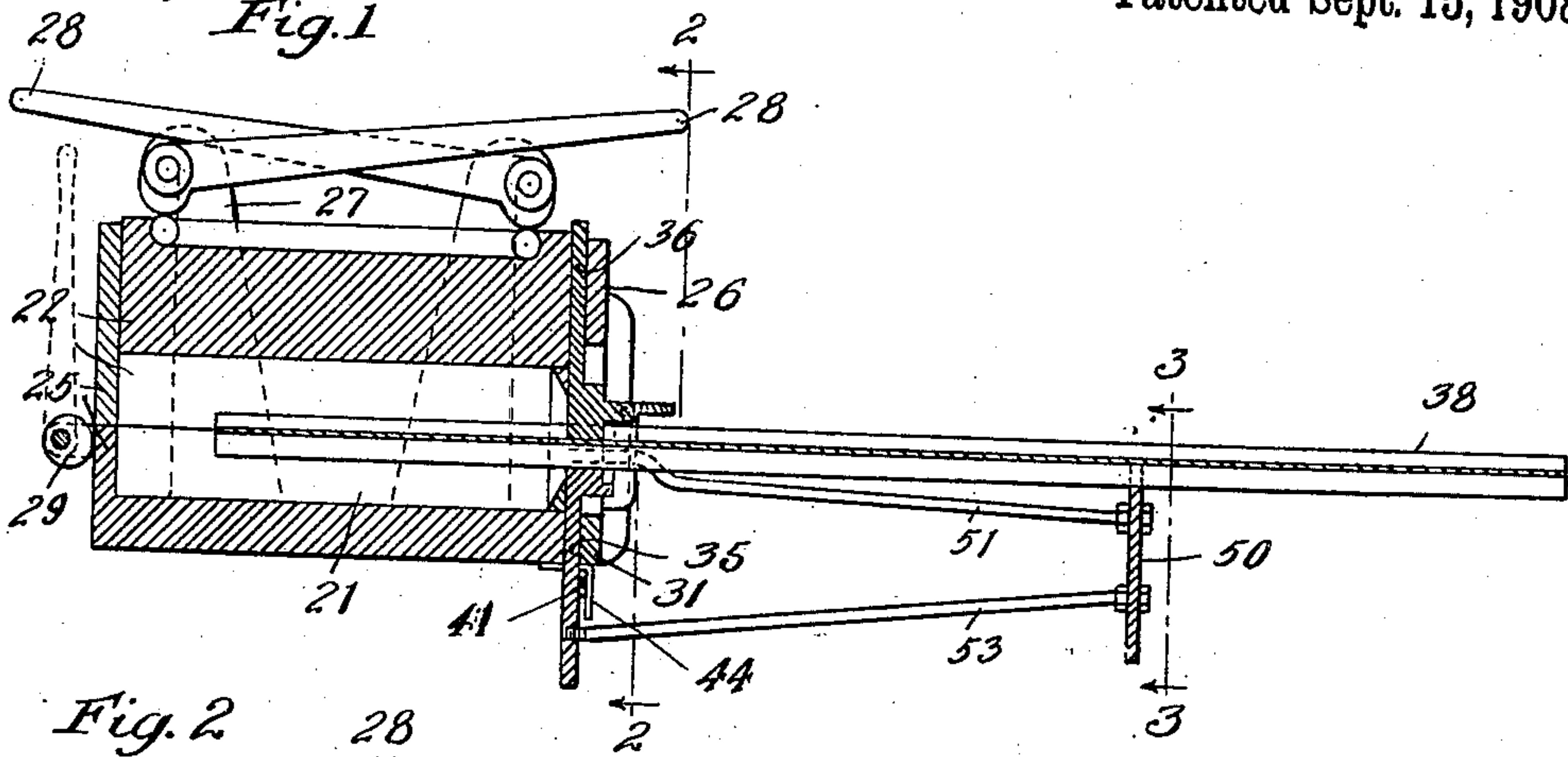


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 APPARATUS FOR MOLDING BASES ON FENCE POSTS.  
 APPLICATION FILED MAR. 16, 1908.

898,671.

Patented Sept. 15, 1908.



Witnesses:

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# UNITED STATES PATENT OFFICE.

MARSHALL C. MUNN, OF SYCAMORE, ILLINOIS.

## APPARATUS FOR MOLDING BASES ON FENCE-POSTS.

No. 898,671.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed March 16, 1908. Serial No. 421,487.

*To all whom it may concern:*

Be it known that I, MARSHALL C. MUNN, a citizen of the United States, residing in Sycamore, in the county of Dekalb and State of Illinois, have invented a new and useful Improvement in Apparatus for Molding Bases on Fence-Posts, of which the following is a specification.

This invention relates to the class of machines for molding bases on metallic fence posts shown in my Patent No. 839,178 of December 25, 1906. In said patent I provided the mold at the end where the post was entered in it with a movable plate or block shaped to fit the post and acting as a support to the post and also as a means of closing the opening at which the post was inserted. This plate or block was capable of yielding to prevent the bending of the post under the compression to which the plastic material is subjected in the process of molding.

My present invention is an improvement upon the construction set forth in said patent, and its object is to provide the mold with means whereby the horizontal position of the outer end of the post may be maintained during the molding operation, so that it will have no tendency to move downward any faster or any further than the end within the mold, and thus avoid any disturbance or movement of the end being molded.

The nature of my improvement is fully disclosed in the description given below, and also illustrated in the accompanying drawing, in which latter—

Figure 1 is a longitudinal vertical section of the improved molding apparatus. Figs. 2 and 3 are sections on the lines 2—2 and 3—3 of Fig. 1. Fig. 4 is a perspective of the exterior post support whereby the object of the invention is accomplished.

In said drawing 21 is the semi-cylindric and stationary lower half of the mold and 22 the semi-cylindric upper half of the same, movable up and down or toward and away from the lower half, this movement of the upper half being for the purpose of shaping and compressing the plastic material which is placed in and heaped upon the lower half mold.

25 closes the rear end of the mold, and the other end is closed by the plates 26 and 31 in part, and at the center by the movable plates 35 and 36. The usual uprights 27 at the sides of the mold are provided and carry the eccentric levers 28 whereby the upper

half mold is operated, and 29 is a similar eccentric lever whereby the movable end plate 31 is forced against the plastic material. The abutting ends of the plates 35 and 36 are shaped so that when they come together they form an aperture between them corresponding to the shape of the metal post 38, which in the case illustrated is Y-shaped. A lever 41 is pivoted at 42 and to the sliding piece 35 at 43, and is in frictional contact with a spring 44.

All the parts so far described herein and their functions and mode of operation are fully set forth and shown in my said patent, and will be better understood by reference thereto.

My present improvement consists in the means taken to support the outer end of the post in unison with the inner end, so that the former will not tend to give any movement to the latter. These means consist of a vertical plate 50 positioned edgewise and far enough from the mold so that the longitudinal center of gravity of the post will be inside such plate, and connecting rods 51, 52 and 53 extending from the plate to the lower movable plate 35. These rods render the plate rigid with the plate 35, so that the outer end of the post will be maintained at a level bearing a constant relation to the level of the plate 35. From this it will be seen that when the plate 35 is depressed under the compressive power of the upper half mold, the plate 50 will be depressed at the same time and in complete harmony with it, so that no movement will be imparted to that part of the post lying within the plastic material which will have any tendency to split or crack the base being formed. The top of plate 50 is shaped to correspond to the post, so that it not only supports the post but prevents any lateral shifting by it.

I claim:

1. The combination with apparatus for molding bases upon metal fence posts, of devices for supporting the outer end of the post during the molding operation, said devices being vertically movable so as to permit the portion of the post supported by them to move downward with the portion within the mold.

2. The combination with apparatus for molding bases upon metal fence posts, such apparatus being provided with a depressible block or plate at the opening through which the body of the post extends, of devices for

supporting the projecting body of the post, such devices being attached to and vertically movable with the depressible block or plate of the apparatus.

- 5 3. The combination with apparatus for molding bases upon metal fence posts, of means acting to support the projecting end of the post during the molding operation,

such means permitting the projecting part to move downward with the portion within the mold. 10

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Witnesses:

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