

No. 840,964.

PATENTED JAN. 8, 1907.

H. ROUTT.
POST MOLD.

APPLICATION FILED MAY 5, 1906.

Fig. 1.

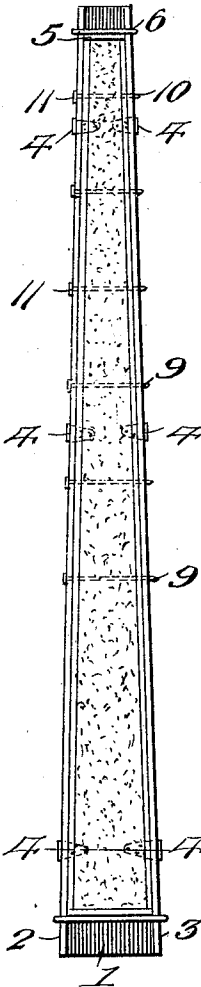


Fig. 2.

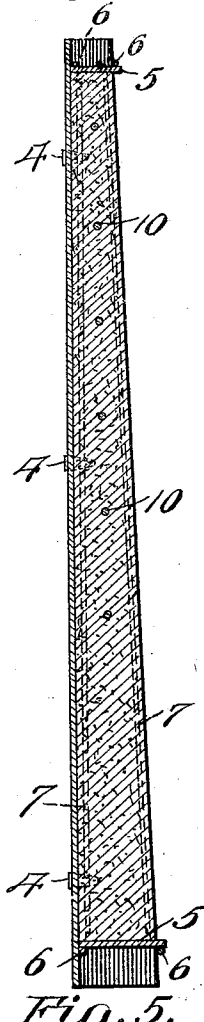


Fig. 3.

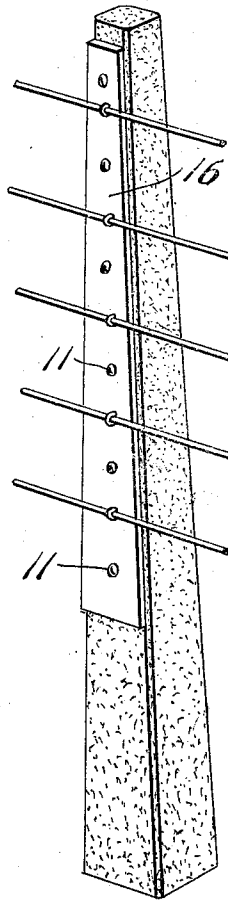


Fig. 4.

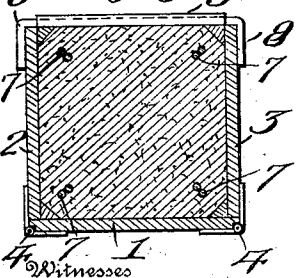


Fig. 5.

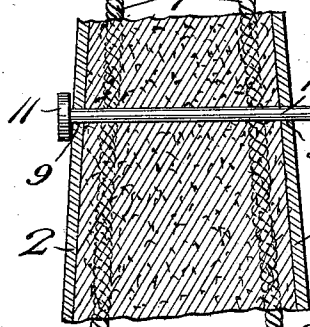
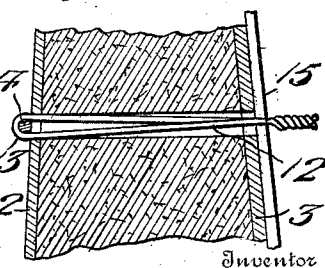


Fig. 6.



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POST-MOLD.

No. 840,964.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed May 5, 1906. Serial No. 315,391.

To all whom it may concern:

Be it known that I, HIRAM ROUTT, a citizen of the United States, residing at Dallas Center, in the county of Dallas and State of Iowa, have invented new and useful Improvements in Post-Molds, of which the following is a specification.

This invention relates to post-molds; and the object thereof is to provide a simple, cheap, and convenient mold for manufacturing cement or concrete posts, so as to produce a post having a plurality of holes extending therethrough adapted to receive fastening devices, through the agency of which the line-wires or fence may be secured to the post.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a plan view of a mold embodying the present invention, showing a post molded therein. Fig. 2 is a vertical longitudinal section through the same. Fig. 3 is a perspective view of the completed post, showing one method of fastening the fence-wires thereto. Fig. 4 is an enlarged cross-section on the line 4 4 of Fig. 1. Fig. 5 is a detail horizontal section taken in line with one of the removable pins or cores. Fig. 6 is a similar view showing one of the fastening devices.

The mold contemplated in this invention is made of a length suitable to the length of post to be manufactured, and said mold comprises, essentially, a bottom 1, to which the oppositely-arranged sides 2 and 3 of the mold are hinged along their lower edges, as shown at 4, whereby the sides of the mold are adapted to be moved away from each other to release the post after it has been molded therein. At opposite ends of the mold removable end pieces or abutments 5 are provided, the same being held in place by cross bars or pins 6, located behind or outside of the end pieces, as shown in Fig. 2.

The top of the mold is left open throughout its entire length from one end piece 5 to the other, thus allowing the material to be tamped therein and also allowing the reinforcing or strengthening wires to be embedded in the bottom of the post, 7 designating such reinforcing or strengthening wires, which are preferably arranged to extend

lengthwise of the post and are located adjacent to the corners thereof, as shown in Fig. 4.

In order to hold the hinged sides of the mold from moving outward away from each other, clamps 8 are provided, the same consisting of metal strips having their opposite ends substantially at right angles, so as to embrace the sides of the mold, as shown in Fig. 4, and prevent the spreading of the sides. Any desired number of clamps may be employed throughout the length of the mold to effectively brace and retain the sides in place.

The sides 2 and 3 are provided with oppositely-arranged and transversely-aligning openings 9, through which any desired number of pins or cores 10 are adapted to be inserted, as shown in Figs. 1 and 5, the said pins being provided with heads 11 to facilitate the removal of the same after the molding operation is completed.

After the mold is set up and the sides thereof braced by means of the clamps 8 a portion of the cement or other material is tamped in the bottom of the mold, and then the lowermost wires 7 are laid thereon and material added and tamped within the mold. At the proper time the desired number of pins or cores 9 are inserted through the openings in the sides of the mold, and the tamping operation is continued until the mold is filled, the remaining wires 7 adjacent to the top of the form being placed in position at the proper time. The filled mold is then set aside and the post allowed to harden, after which the pins or cores 9 are removed and the clamps taken off, the mold turned upside down on a board or pallet, and the molded post released from the mold.

The post thus manufactured is provided with holes extending entirely therethrough, as shown in Fig. 6, and a convenient form of fastener is shown in the same figure as consisting of a wire 12, which is bent upon itself to form a loop 13, in which one of the line-wires 14 of the fence is received and held while the extremities of the wire 12 are twisted upon themselves outside of a retaining-wire 15, extending lengthwise of the post on the side opposite to that on which the line-wires are mounted.

If desired, a panel or strip 16, of wood or other suitable material, may be secured to one side of the post by fasteners passing through the holes formed in the post, thus adapting the fence-wires to be secured to the

post by means of staples or other suitable fasteners, which may be engaged with and over the fence-wires and driven into the panel or strip 16.

- 5 Ordinarily the pins or cores 9 are withdrawn as soon as the cement or other composition of which the post is formed sets.

I claim—

- 10 The herein-described mold for fence-posts, consisting of a bottom, side pieces hinged to said bottom and provided with registering holes for removable cores, removable end pieces forming abutments for the ends of the

post, cross-bars extending through openings in the side pieces for holding said end pieces 15 in place, and removable clamps comprising metal strips having their opposite ends bent at right angles to embrace the side pieces to hold the same in place during the molding operation, essentially as described. 20

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

HIRAM ROUTT.

Witnesses:

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