No. 721,224. PATENTED FEB. 24, 1903.

# W. W. PATTON.

## FENCE POST MOLD.

APPLICATION FILED NOV. 22, 1902.

NO MODEL.

Fig. 1.

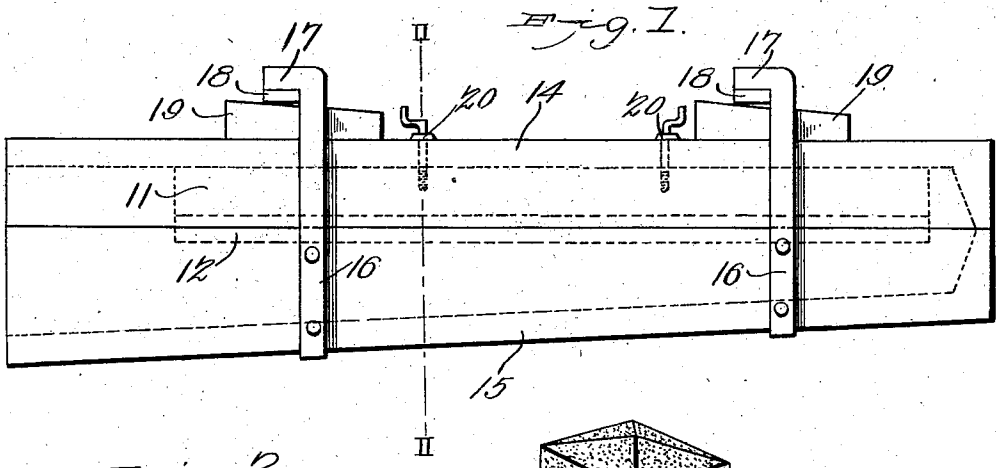



Fig. 2.

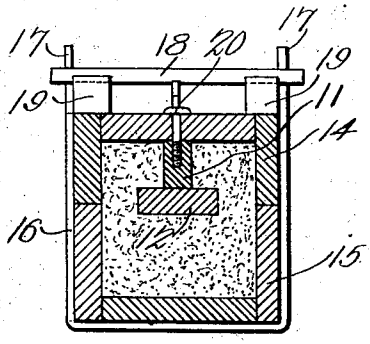



Fig. 3.

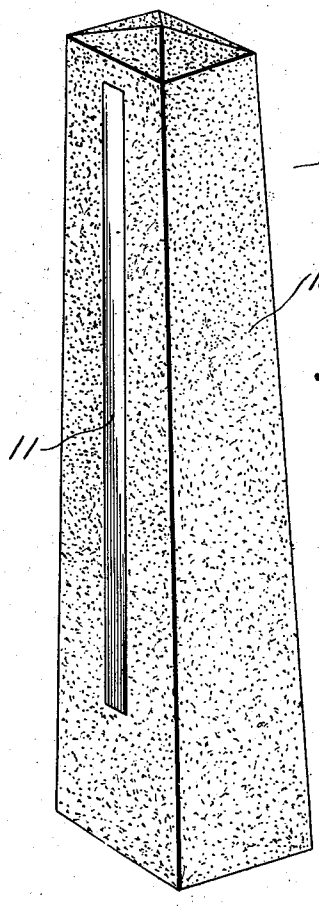
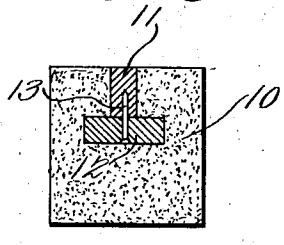



Fig. 4.




Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

WILLIAM W. PATTON, OF WOODSFIELD, OHIO.

## FENCE-POST MOLD.

SPECIFICATION forming part of Letters Patent No. 721,224, dated February 24, 1903.

Application filed November 22, 1902. Serial No. 132,456. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM W. PATTON, a citizen of the United States, residing at Woodsfield, in the county of Monroe and State of Ohio, have invented a new and useful Fence-Post Mold, of which the following is a specification.

This invention relates to molds for forming concrete or cement posts applicable to posts of any size or employed for any purpose, such as fence-posts, hitching-posts, telegraph, telephone, electric-light, or trolley-wire supporting posts and posts employed in connection with electric lines of various kinds, and has for its object the construction of a simple device whereby the posts may be readily molded and wooden cores partially embedded therein.

The invention consists in certain novel features of the construction, as hereinafter shown and described, and specified in the claims.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters in all the figures, Figure 1 is a side elevation of the mold. Fig. 2 is a transverse section on the line II II of Fig. 1. Fig. 3 is a perspective view of one of the completed posts. Fig. 4 is a transverse sectional view of the post.

The post will be constructed of concrete, Portland cement, or similar compounds or material, which may be molded while in a plastic state and which hardens by exposure, and may be made of any desired shape or size.

For the purpose of illustration a mold for forming an ordinary fence-post is shown, together with one of the posts produced thereby; but it is obvious that the mold may be adapted to posts of any desired size or shape; and I do not, therefore, wish to be limited to any specific size or shape of the mold, but reserve the right to adapt the improvements to molds of any shape or size.

The mold consists of a wooden casing formed in two sections 14 15, divided longitudinally, the interiors of the sections, when combined, conforming to the outer surfaces of the posts which it is desired to form and may be varied to any desired extent, as above noted. The mold-section 15 will be provided with straps 16, spaced apart and of substantially U shape and embracing the section, as shown, with their leg members extending alongside of the section 14 and projecting beyond its outer surface, with the extremities bent off at right angles into hooks 17. The hooks 17 form supports for transverse bars 18, the bars in turn adapted to support wedges 19 between the bars and the section 14, as shown in Fig. 1, by which means the two sections may be firmly clamped together.

The body of the post is represented at 10 and will be provided with a wooden core, preferably in two parts 11 12, the part 11 extending to the surface of the post and the part 12 disposed transversely of the part 11 and secured thereto, as by nails 13, at suitable intervals. Before the section 14 is placed in position relative to the section 15 and the clamping means applied the core member 11 12 will be temporarily connected to the interior of the section 14, as by screws 20, inserted from the exterior of the section, so that after the plastic material has been inserted into the mold the screws may be disconnected, leaving the core within the post material. The screws 20 may be disposed at any suitable distance apart and as many employed as required, but generally two will be sufficient, as shown. The core member may thus be located at any desired point within the post longitudinally and may be of any desired length or size and may be divided into sections, if required. The core members may be located upon two or more sides of the post, if required, and located in any part of the surfaces desired. Any required number of the clamping-straps 16 may be employed and spaced apart to any required extent, the number and distance apart depending somewhat upon the size and length of the post. By this simple means the core will be immovably embedded within the post, with the outer surface of the section 11 exposed along one side of the post, as shown in Fig. 3.

It will be noted that the core members 11 12 do not extend the full length of the mold, but stop short thereof at both ends, so that the plastic material of which the post is composd will extend beyond both ends of the core and form stops thereto at each end and effectually prevent its removal. By this simple means the core becomes a permanent part of the post.

Before the core is inserted into the mold it will be soaked in suitable preserving compound or paint to prevent decay and to prevent the absorption of moisture or the shrinkage of the wood.

The wooden core extending to the surfaces of the post provides for the attachment of fence-boards, fence-wires, and other attachments when employed as fence-posts and will likewise provide for the attachment of wire-supports or other attachments when employed as telegraph and telephone posts and for similar purposes.

Having thus described the invention, what is claimed is—

1. A mold for forming posts of plastic material consisting of a divided casing having spaced straps connected to one member of said casing and extending beyond the sides of the other member and terminating in hooks, transverse bars connecting the opposite pairs of said hooks, and wedges between said bars and the casing, substantially as described.

2. A mold for forming posts of plastic material consisting of a divided casing having spaced straps of substantially U shape embracing one of said casing members with its leg members extending beyond the other casing member and terminating in hooks, transverse bars detachably connecting the opposite pairs of said hooks, and wedges between said bars and the casing, substantially as described.

3. A mold for forming posts of plastic material consisting of a divided casing, means for detachably uniting said casing members, means in one side of the casing and operative from the exterior thereof for detachably supporting a wooden core therein of less length than the casing, whereby said core will be held in position until the plastic material has been inserted into the mold, and then released from engagement therewith to enable the mold members to be detached from the post, leaving the core embedded therein.

4. A mold for forming posts of plastic material consisting of a divided casing, means for detachably uniting said casing members, holding-screws in one side of the casing and operative from the exterior thereof for detachably supporting a wooden core therein whereby said core will be detachably held in position until the plastic material has been inserted in the mold with the core embedded therein.

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

WILLIAM W. PATTON.

Witnesses:

P. SCHUMACHER, Jr.,

W. V. WALTON.