No. 883,569. PATENTED MAR. 31, 1908.

H. H. RODGERS.

MOLD FOR FENCE POSTS.

APPLICATION FILED MAY 9, 1907.

Fig. 1.

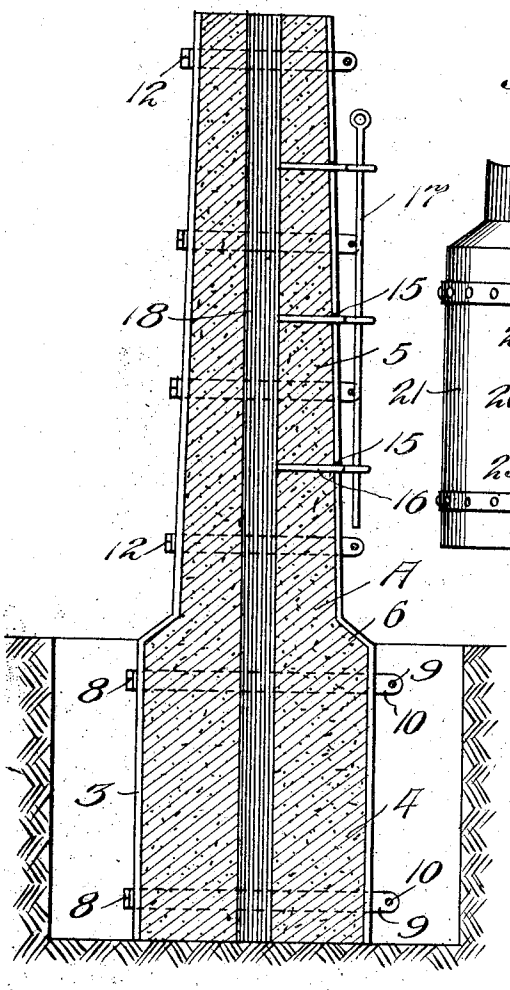


Fig. 4.

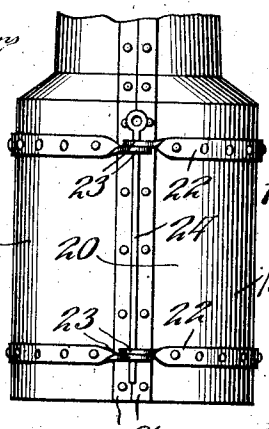
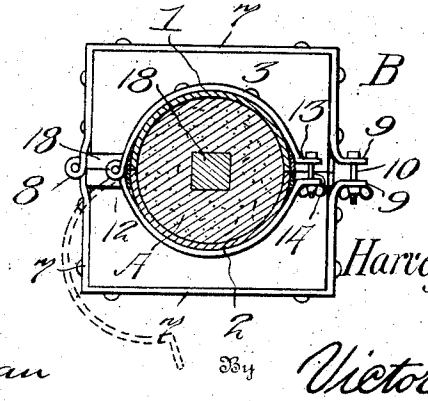


Fig. 2.

Fig. 3.



Witnesses

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MOLD FOR FENCE-POSTS.

No. 883,569. Specification of Letters Patent. Patented March 31, 1908.

Application filed May 9, 1907. Serial No. 372,732.

To all whom it may concern:

Be it known that I, HARVEY H. RODGERS, a citizen of the United States, residing at Good Hope, in the county of Fayette and State of Ohio, have invented new and useful Improvements in Molds for Fence-Posts, of which the following is a specification.

This invention relates to a mold for concrete fence posts or the like, of that type comprising a sheet metal shell of hingedly connected sections whereby the mold can be conveniently closed for receiving the filling of concrete or opened when the post or concrete body has set and hardened.

The invention has for one of its objects to improve and simplify the construction and operation of devices of this character so as to be comparatively easy and inexpensive to manufacture, conveniently set up for receiving the material of which the post is to be made, and readily removed from the post when the latter is formed.

A further object of the invention is the provision of a mold especially designed for fence posts and the like that are adapted to be planted in the earth, the parts being so designed that the mold can be set up in the hole in the earth intended to receive the post, so that the latter can be formed in its permanent place.

With these objects in view and others, as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claims appended hereto.

In the accompanying drawing, which illustrates one of the embodiments of the invention, Figure 1 is a longitudinal sectional view of a fence post showing the mold in position. Fig. 2 is a side elevation of the mold. Fig. 3 is a transverse section of a mold and post. Fig. 4 is a front view of the power portion of a modified form of post mold.

Similar reference characters are employed to designate corresponding parts throughout the several views.

Referring to the drawing, A designates a fence or other post made of concrete or other plastic material and B, the tubular mold for forming the post. The mold, which may be of any desired shape, diameter or length, is preferably constructed of two sections 1 and 2 formed by dividing the mold centrally in a longitudinal direction. In the present instance, the lower part of the mold is abruptly enlarged at 3 to form the base 4 of the post that is intended to be buried in the earth, the mold being of square or polygonal cross-section at the base.

The column portion 5 of the post tapers gradually in an upward direction and is connected with the base by the beveled portion 6. The base 3 of the mold is provided with a plurality of bands 7 each composed of halves connected at their rear ends by hinges the front ends of the halves or sections of the bands being bent forwardly into lugs 9 that are apertured for receiving the clamping bolts 10. These bands are riveted or otherwise suitably secured to the outside of the mold sections 1 and 2 and serve to reinforce and strengthen the sheet metal mold at the bottom and also hingedly connect the sections of the mold. Spaced apart on the column portion of the mold are bands 11, each made in two parts and connected by a hinge 12. One-half of each band 11 may be riveted or otherwise suitably secured to one of the sections of the mold, while the other half is adapted to swing free of the opposite section. The forward ends of the bands 11 are formed into apertured lugs 13 for receiving the clamping bolts 14. In the front meeting edges of the mold sections are notches 15, as shown in Fig. 1, for the reception of eye pins or fasteners 16 that are molded or anchored in the post to serve as means for receiving the pintles of gate hinges or affording means of attaching a wire fencing to the post, and in order to hold the eye pins in proper position during the molding operation, a guard or key 17 is inserted through the eyes of the pins, as shown. Along the edges of the sections 1 and 2 are reinforcing and protecting strips of wood 18', illustrated in Fig. 2.

In practice, the molds can be used for making posts in a factory or shop as articles of trade and kept in stock for sale. Also the molds may be used for making posts directly at the place where they are intended to be used or planted. In carrying out the latter method, holes are dug in the earth for receiving the posts and the molds are set up in the openings. Each mold is placed in its respective opening, and the bands of the mold section clamped in position, the hole being deep enough to receive the enlarged portion or base of the mold. The eye pins or fasteners 16 are then inserted in the mold and if de-

sired, a reinforcing cord or member 18 may be placed centrally in the mold. The concrete is then filled into the mold from the upper end, and after being completely filled, the mold is allowed to remain set up until the post is sufficiently set. The clamping bolts 10 and 14 are then removed and the member 17 lifted out of the eye pins 16, so that the two sections of the mold can be opened. In opening the mold, the loose parts of the bands 11 are swung outwardly to the dotted line position shown in Fig. 3, so that the sections of the mold can swing open on the hinges 8 as an axis. After the mold is removed, the loose earth can be filled in around the base 4 of the post and firmly tamped. It will thus be seen that the post can be formed and set up in one operation and with a minimum of labor and trouble.

In the modification shown in Fig. 4, the base portion 19 of the two mold sections 20 and 21, is cylindrical and the bands 22 have the ends turned in overlapping lugs 23, so that a common locking pin 24 may be employed. This pin can be readily withdrawn for unclamping the mold and lifting it out of the post hole, when the post is set.

From the foregoing description, taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention appertains, and while I have described the principle of operation of the invention, together with the apparatus, which I now consider to be the best embodiment thereof, I desire to have it understood that the apparatus shown is merely illustrative and that such changes may be made when desired, as are within the scope of the claims.

Having thus described the invention, what I claim is:—

1. A fence post mold comprising a pair of longitudinally divisible sections, reinforcing strips extending along the edges of the sections and adapted to abut, horizontal bands extending around the mold, and each composed of two parts hingedly connected at a point coinciding with the plane of division of the sections, certain of the bands having both parts rigidly attached to the mold sections and the remaining bands having only one part attached to one of the sections, and means for securing the free ends of each band together for holding the mold sections closed.

2. A post mold comprising a pair of longitudinally divisible sections, enlarged at their lower ends, hingedly connected bands on the enlarged lower ends forming the sole means for permanently connecting the sections, the free ends of the bands being arranged to overlap and provided with apertures, a device passing through the apertures of all the bands for holding the sections in locked position, and means on the upper ends of the sections coöperating with the said device for locking the sections in closed position.

3. A mold for a concrete post comprising sections forming an enlarged base portion, and a column portion of less diameter than the base portion, bands encircling the base portion and secured thereto, hinges on the bands for connecting the sections together, clamping means for the bands, and reinforcing bands for encircling the column portion of the mold and each consisting of two parts hingedly connected at one end and removably connected at the other, one part of each band being secured to the adjacent mold section while the other part is detached from the other section.

4. A fence post mold comprising two sections shaped to form a post having an enlarged base portion and a tapering circular column portion of less diameter than the base portion, split bands secured to and encircling the base portion of the mold and hingedly connected for permitting the sections to swing open and closed, clamping means for connecting the free ends of the bands, bands encircling the column portion of the mold and composed of hingedly connected parts, one part only of each of said bands being secured to one of the sections, and means for clamping the free ends of the last-mentioned bands together.

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

HARVEY H. RODGERS.

Witnesses:
JAMES WALKER,
S. E. BOGGS.