J. B. STORMS.

MOLD FOR FENCE POSTS.

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904,098. Patented Nov. 17, 1908.

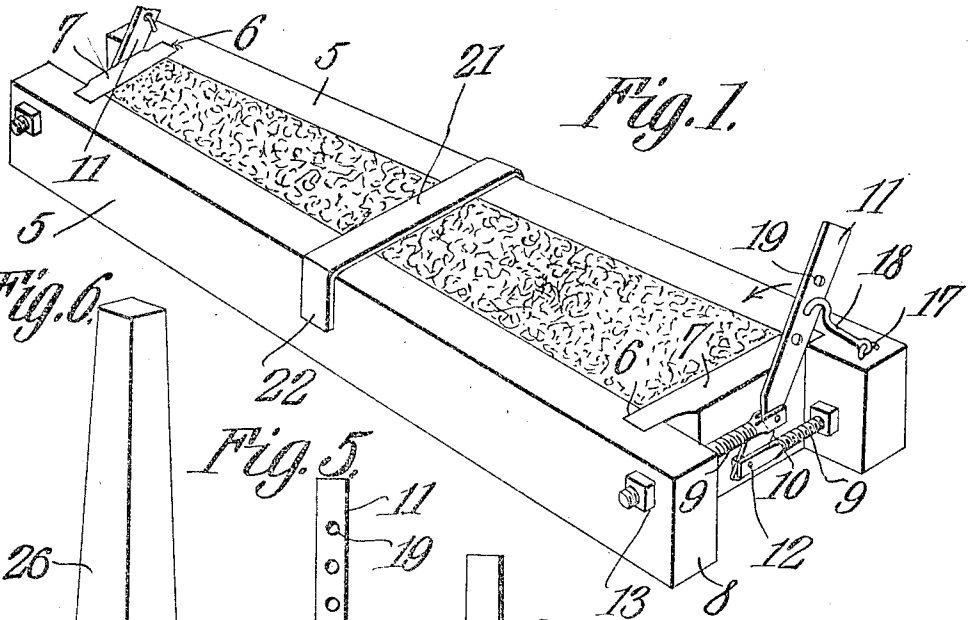


Fig. 1.

Fig. 6.

Fig. 5.

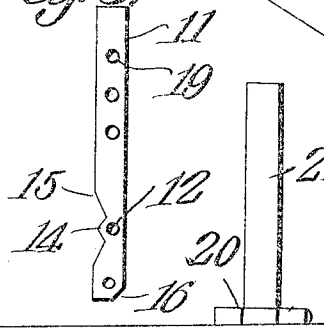


Fig. 2.

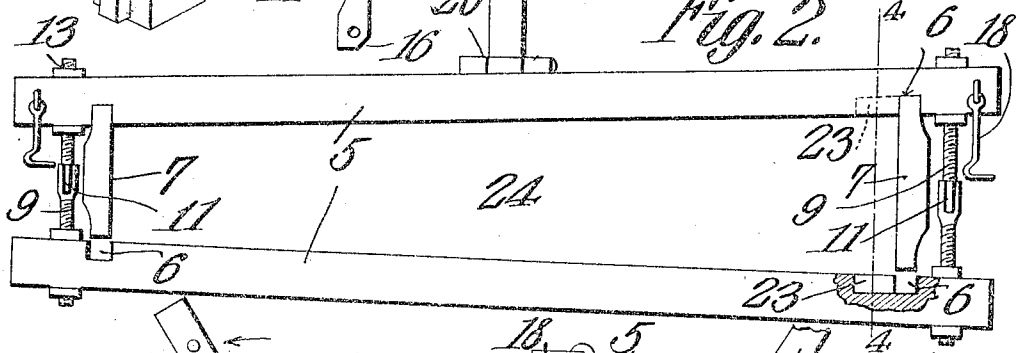


Fig. 3.

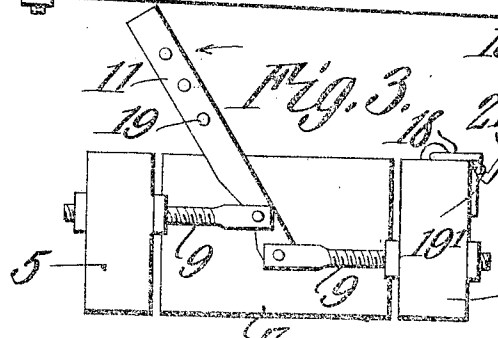
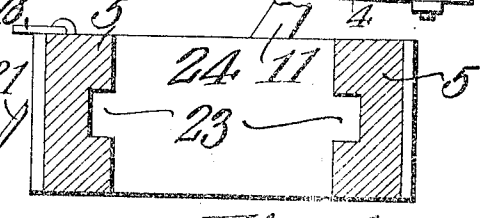


Fig. 4.



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MOLD FOR FENCE-POSTS.

No. 904,098. Specification of Letters Patent. Patented Nov. 17, 1908.

Application filed February 14, 1908. Serial No. 415,912.

To all whom it may concern:

Be it known that I, JESSE B. STORMS, a citizen of the United States, residing at Albion, in the county of Orleans and State of New York, have invented a new and useful Mold for Fence-Posts, of which the following is a specification.

This invention relates to molds for making fence posts and the like from cement, concrete and similar material and has for its object to provide a strong, durable and thoroughly efficient device of this character by means of which artificial stone posts may be conveniently and expeditiously manufactured.

A further object of the invention is to provide a mold including laterally movable side walls having end walls interposed between the same, there being oppositely disposed depressions or pockets in the side walls of the mold for producing lateral anchoring members or blocks on the base of the molded post.

A further object is to provide improved means for locking the side walls in engagement with the end walls, and means for preventing spreading of the side walls during the molding operation.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claim.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a mold constructed in accordance with my invention showing the several walls of the mold locked in assembled position. Fig. 2 is a top plan view showing the several walls of the mold in released position to permit the removal of the molded product. Fig. 3 is an end view of Fig. 2. Fig. 4 is a transverse sectional view taken on the line 4—4 of Fig. 2. Fig. 5 is a plan view of one of the operating levers detached. Fig. 6 is a perspective view of the molded post.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved mold forming the subject matter of the present invention comprises spaced longitudinal side members 5 preferably disposed at a slight angle to each other and having vertically disposed seating grooves 6 formed in their inner faces for the reception of the reduced terminals of the end walls 7.

The side walls 5 are extended longitudinally beyond the adjacent end walls 7 to form terminal recesses, and extending transversely through the extensions 8 at said recesses are threaded bolts or pins 9 preferably disposed one above the other and having their inner ends bifurcated at 10 for the reception of an operating lever 11, the latter being pivotally connected with the rods or bolts 9 in any suitable manner, as indicated at 12. The threaded pins 9 are locked in position on the extensions 8 by means of clamping nuts 13 which engage the threads on the rods and bear against the interior and exterior walls of the extension 8, as shown. The pivot points 12 are disposed one above the other so that when the operating lever is moved in the direction of the arrow shown in Fig. 3 of the drawing the pins 9 will be forced outwardly thereby to separate the side walls 5 and thus permit the removal of the end walls 7.

One longitudinal edge of each lever 11 is formed with a V shaped tooth or projection 14 which fits within the bifurcation of the adjacent upper rod or pin 9, there being cut away portions 15 formed on each side of the projection 14 so as to permit the lever 11 to be swung laterally in opposite directions without bearing against the walls of the bifurcations 10. The lower end of each lever 11 is also preferably inclined or beveled at 16 to permit the passage of the lever in the bifurcated portion of the lower pin 9.

Pivoted in a loop or eye 17 on one of the extensions at each end of the mold is a locking member or hook 18, the bill of which is adapted to engage any one of a series of openings 19 formed in the adjacent lever 17 thereby to prevent accidental displacement of the lever and thus lock the side walls in engagement with the end walls of the mold.

As a means for preventing spreading of the side walls during the molding operation one of the side walls is provided with a plate 19′ to which is pivotally connected at 20 a transverse bar or brace 21, the free end of which is bent downwardly to form an angular extension 22 which bears against

the exterior face of the mating or opposite side wall of the mold.

Formed in the inner faces of the side walls 5 are recesses or pockets 23 which intersect the adjacent vertical recesses 5 and communicate with the molding compartment 24 so as to form lateral anchoring blocks 25 on the base of the molded post 20.

In operation the mold is placed on a table, platform or other suitable support and the side walls locked in engagement with the end walls, in the manner before stated. The cement, concrete or other plastic material is then introduced into the compartment 24 and thoroughly tamped, the cement in the molding compartment being subsequently troweled off level with the upper edges of the side members 5. After the cement has set the member 21 is swung laterally to open position on the pivot 20 and the operating levers 11 moved in the direction of the arrow, indicated in Fig. 3, of the drawings which separates the side walls from engagement with the end walls 7 so as to permit the mold to be lifted bodily from engagement with the molded product.

The molds may be made in different sizes and shapes and the side walls disposed at any angle or inclination with respect to each other so as to permit the formation of different styles of fence posts.

Having thus described the invention what is claimed is:

A mold including side walls spaced apart to form an intermediate molding compartment, end walls spaced inwardly from the adjacent ends of the side walls to form terminal recesses, threaded pins carried by the side walls and having their inner ends extended within the terminal recesses and bifurcated, said rods being disposed one above the other, and operating levers pivotally connected with the bifurcated ends of the pins, one longitudinal edge of each lever being provided with a tooth seated within the bifurcation of the adjacent pin, there being recesses formed on each side of the tooth, and a cut away portion on one end of the lever at its point of attachment to the bifurcated end of the other pin.

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

JESSE B. STORMS.

Witnesses:
F. B. Herrick,
A. V. Lord.