No. 876,027. PATENTED JAN. 7, 1908.

B. TANNER.

FENCE POST MOLD.

APPLICATION FILED APR. 22, 1907.

Fig. 1.

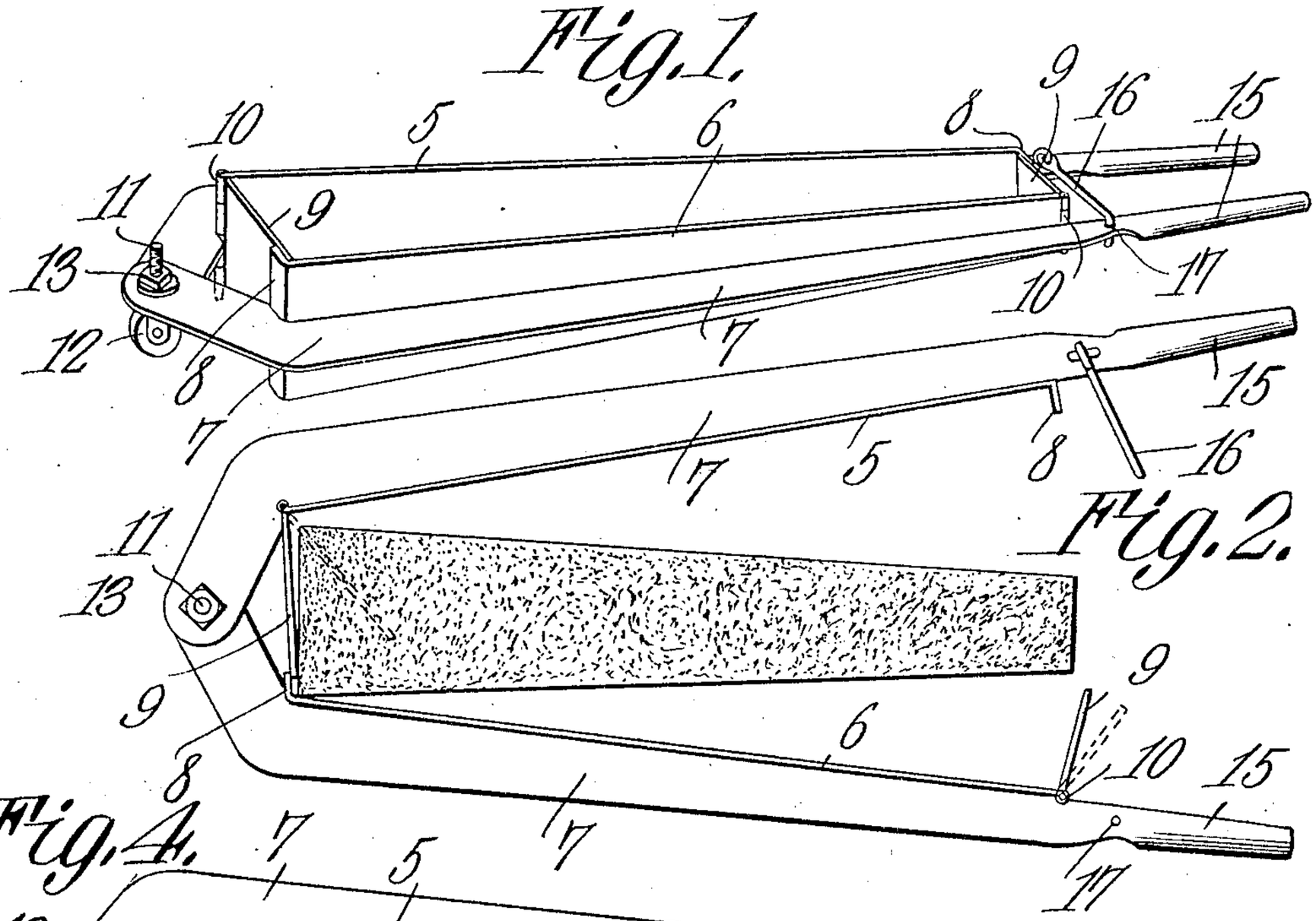

Fig. 2.

Fig. 4.

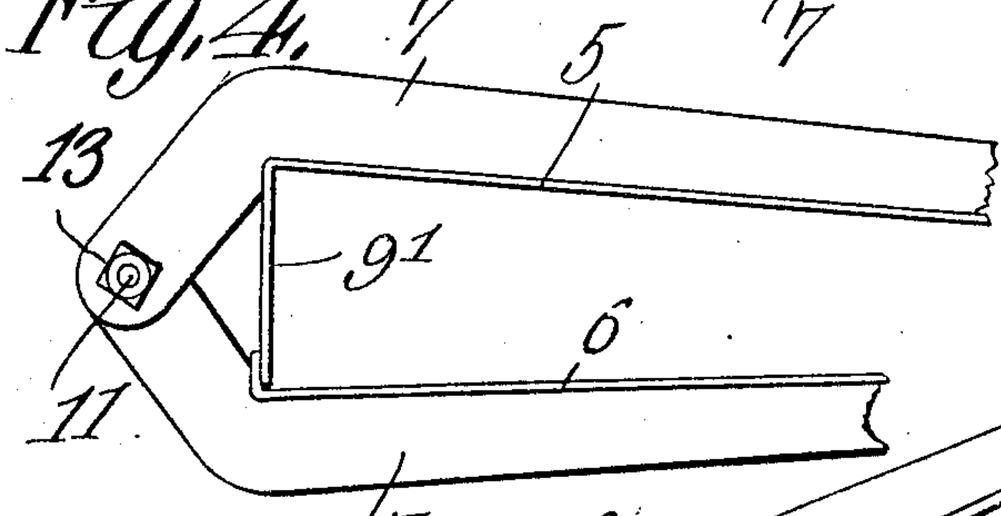

Fig. 3.

Fig. 5.

Fig. 6.

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FENCE-POST MOLD.

No. 876,027. Specification of Letters Patent. Patented Jan. 7, 1908.

Application filed April 22, 1907. Serial No. 369,590.

To all whom it may concern:

Be it known that I, BENJAMIN TANNER, a citizen of the United States, residing at Sturgis, in the county of St. Joseph and State of Michigan, have invented a new and useful Fence-Post Mold, of which the following is a specification.

This invention relates to molds for making fence posts of cement, concrete or other plastic material and has for its object to provide a strong, durable and thoroughly efficient mold of this character by means of which artificial stone fence post may be conveniently and expeditiously manufactured.

A further object of the invention is to provide a portable mold including pivotally united side walls capable of being swung laterally to open position thereby to permit the discharge of the molded product.

A further object is to mount a wheel or roller at the intersection or pivotal juncture of the side walls of the mold whereby the latter may be conveniently moved from place to place without the necessity of bodily carrying the same.

A further object is to extend the side walls of the mold longitudinally beyond the adjacent end walls to form operating handles, and further to provide means carried by said handles for locking the side walls in closed position.

A still further object of the invention is to generally 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 claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a fence post mold constructed in accordance with my invention. Fig. 2 is a top plan view of the same showing the side walls thereof swung laterally to open position to permit the discharge of the molded product. Fig. 3 is a side elevation showing the mold in position to be transported from place to place. Fig. 4 is a top plan view of a portion of the mold illustrating a modified form of the invention. Fig. 5 is a similar view illustrating a further modification. Fig. 6 is an end view of Fig. 5.

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 includes spaced tapering side walls 5 and 6 preferably formed of angle iron and provided with laterally extending reinforcing flanges 7.

One end of each side wall is bent inwardly to form a vertically disposed stop flange 8 adapted to bear against and limit the swinging movement of the adjacent end wall 9, said end walls being pivotally connected with the side walls, as indicated at 10 so as to permit said end walls to be folded laterally against the side walls when transporting the mold from place to place.

The reinforcing flanges are bent inwardly at the front wall 9 and the adjacent ends thereof over-lapped and pierced by a pin or stud 11 which forms a pivotal connection between the side walls so that the same may be swung laterally to open position thereby to permit the discharge of the molded product, as best shown in Fig. 2 of the drawing.

The lower end of the pin 11 is bifurcated for the reception of a wheel or roller 12 which bears against the ground when the mold is in position for filling and which sustains the weight of the mold when the latter is elevated to the position shown in Fig. 3 of the drawing so that the mold may be conveniently transported from place to place without the necessity of bodily carrying the same.

The pin 11 passes through alined openings in the over-lapped ends of the flanges 7 and is threaded for engagement with suitable clamping nuts 13 and 14 whereby the pin may be adjusted vertically of the mold thereby to aline the tread surface of the wheel with the lower longitudinal edge of the mold so as to prevent the latter from tilting when the same is being filled.

Attention is here called to the fact that the pin 11 not only forms a support for the roller 12 but also forms a pivotal connection between the side walls of the mold.

The converging ends of the flanges 7 are extended longitudinally beyond the front wall of the mold and the adjacent longitudinal edges thereof curved laterally and downwardly to form operating handles 15, there being a locking member or bar 16 pivotally mounted on one of the handles and adapted to engage an opening or recess 17 formed in the opposite handle so as to hold the handles together and thus lock the mold in assembled position.

In using the device the mold is placed on a platform or other suitable support and the cement, concrete or other plastic material shoveled or otherwise introduced into the mold and thoroughly tamped after which the upper surface of the cement is troweled off in the usual manner so as to produce a smooth exterior surface.

The locking member or plate 16 is then released and the side walls of the mold swung laterally to open position by separating the handles 15 thus permitting the molded fence post to be readily discharged from the mold.

After the fence post is released from the mold the side walls of the latter are brought together and said mold tilted to the position shown in Fig. 3 of the drawings and in which position the weight of the mold is sustained by the roller 12 so that the same may be conveniently wheeled to the place where it is desired to make another fence post.

In Fig. 4 of the drawings there is illustrated a modified form of the invention in which the end walls 9′ are preferably formed integral with the side walls.

A further modification is illustrated in Figs. 5 and 6 of the drawing in which the reinforcing flanges 7′ of the mold are pivotally connected at 18 with an intermediate section 19, the latter being provided with spaced wheels or rollers 20 preferably mounted on the pivot pins 18, as shown. In this form of the device the end wall 21 is angular in shape so as to form the reduced end of the post with a pitch or bevel, said angular wall being detachably secured to the side walls of the mold by clasps, hooks or similar fastening devices 22.

While it is preferred to use a single supporting roller at the pivotal juncture or intersection of the side walls it will of course be understood that if desired a roller may be mounted one on each side of the pivotal axis of the side walls without departing from the spirit of the invention.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

1. A mold open at the top and bottom and provided with spaced side walls having longitudinal reinforcing flanges the ends of which are over-lapped and pivotally united, and a roller mounted for rotation at the pivoted ends of the flanges and having its tread surface disposed flush with the lower longitudinal edges of the side walls when the mold is in operative position.

2. A mold open at the top and bottom and provided with spaced side walls having longitudinal reinforcing flanges, the ends of which are over-lapped and pivotally united, one end of each side wall being provided with an inwardly extending stop flange, end walls pivoted to the side walls and engaging the adjacent stop flanges, a roller disposed at the pivoted ends of the flanges and having its tread surface disposed flush with the lower longitudinal edges of the side walls when the mold is in open position, said reinforcing flanges being extended longitudinally beyond the adjacent pivoted end wall to form operating handles, and a fastening device secured to one of said handles and engaging the other for locking the side walls in engagement with the end walls.

3. A mold open at the top and bottom and provided with spaced side walls having longitudinal reinforcing flanges, the ends of which are over-lapped and pivotally united, one end of each side wall being provided with an inwardly extending stop flange, end walls pivoted to the side walls and engaging the adjacent stop flanges, a threaded pin forming the pivotal connection between the over-lapped ends of the flanges and having its lower end bifurcated, a roller journaled in the bifurcated end of the pin, nuts engaging the threads on the pin and bearing against the flanges, said reinforcing flanges being extended longitudinally beyond the adjacent pivoted end wall to form operating handles, and a fastening device secured to one of the handles and engaging the adjacent handle for locking the side walls in engagement with the end walls.

4. A mold open at the top and bottom and provided with spaced side walls, the opposite ends of which are bent laterally to form inwardly extending stop flanges, end walls pivoted to the side walls and engaging the adjacent stop flanges, reinforcing flanges formed integral with the side walls and each having one end thereof over-lapping the end of the adjacent flange and its opposite end extended longitudinally beyond the adjacent end wall to form an operating handle, said handles having their longitudinal edges curved downwardly and one of said handles being provided with an opening, a threaded pin forming a pivotal connection between the over-lapped ends of the flanges, a roller journaled in the pin and adjustable vertically of the mold, clamping nuts engaging

the threads on the pin for locking the roller in adjusted position, and a hook pivoted to one of the operating handles and engaging the opening in the adjacent handle for locking the side walls of the mold in engagement with the end walls.

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

BENJAMIN TANNER.

Witnesses:
H. W. HAGERMAN,
J. B. HENRICKS.