J. M. ELDER.

TRANSFER TABLE.

APPLICATION FILED FEB. 12, 1906.

922,114. Patented May 18, 1909.

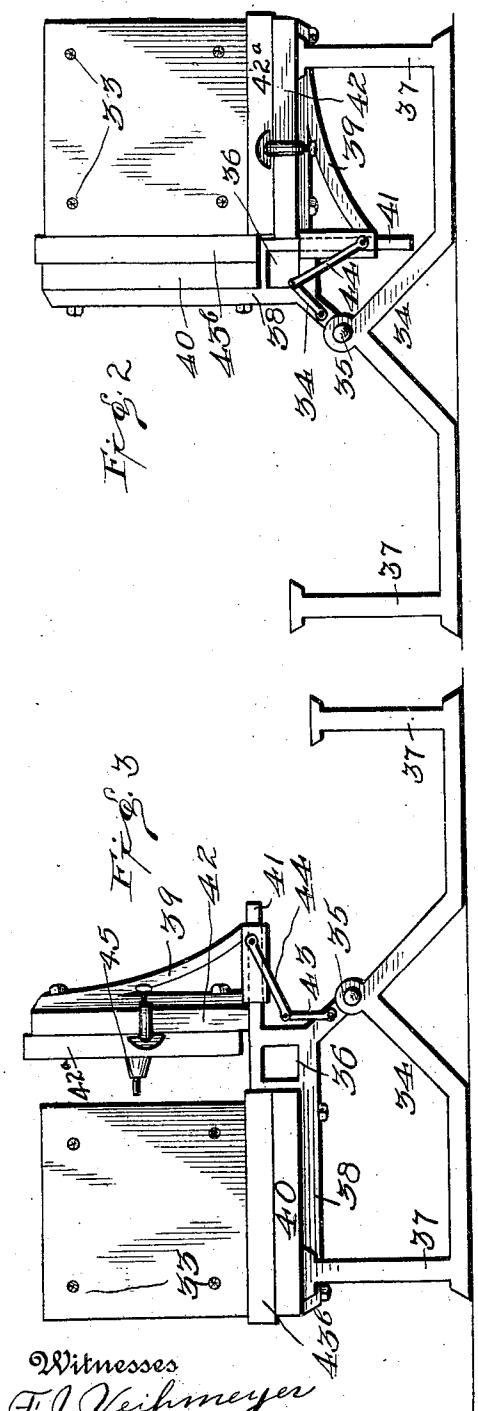


Fig. 2.

Fig. 3.

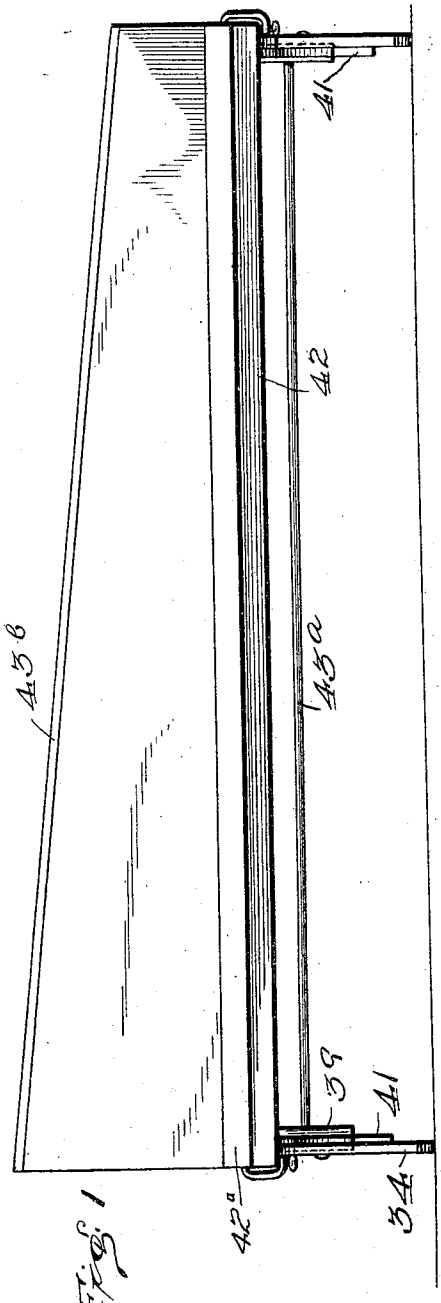


Fig. 1.

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UNITED STATES PATENT OFFICE.

JAMES M. ELDER, OF INDIANAPOLIS, INDIANA.

TRANSFER-TABLE.

No. 922,114. Specification of Letters Patent. Patented May 18, 1909.

Application filed February 12, 1906. Serial No. 300,732.

To all whom it may concern:

Be it known that I, JAMES M. ELDER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Transfer-Tables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in transfer tables for removing green cement posts from the pallets and socket formers on which they are made in the mold.

In order to secure objects to a cement fence post, sockets are formed in the post when it is molded into which suitable fasteners may be inserted after the post has become hard and is in use. As illustrated and described in U. S. Patent 804,711 issued on November 14, 1905 to Anderson W. Means and myself, these sockets are formed by pegs or formers secured to the pallet placed in the bottom of the mold. In practice, after the post has become sufficiently set but while it is still green, it is removed on the pallet and set aside to dry. Considerable difficulty has been experienced, however, in removing the pallet and formers from the post without injuring it.

The object of my present invention is to provide a transfer table by means of which this can be done cheaply and expeditiously.

The invention consists in the features of construction and combinations of parts hereinafter described and more particularly pointed out in the claims concluding this specification.

In the accompanying drawings, illustrating the preferred embodiment of my invention; Figure 1 is a side view of the transfer table. Fig. 2 is an end view thereof showing it in its initial position after the post has been placed thereon. Fig. 3 is a similar view showing the table turned and the pallet and formers disengaged from the post.

The transfer table, comprises skeleton end pieces 34 to each of which is centrally pivoted at 35 a swinging bracket 36 which is supported at each end of its swing by an upright or post 37, one of which is arranged at each end of each of the end-pieces. Each pivoted bracket 36 has two arms 38 and 39 extending at right angles to each other. The arms 38 are preferably made integral with their respective brackets and they are connected by a strip or board 40. The arms 39 of each bracket are made as separate castings and are mounted to move on slides 41 of their respective brackets. These arms 39 are also connected by a strip or board 42 whereby they are caused to move together. Each bracket carries a lever 43 which is connected by means of a link 44 with the sliding arms 39, whereby said arms 39 are moved back and forth on their slides. The two levers 43 are connected by a rod 43^a so that both will move together.

The pallet 42^a containing the green post, which has just been removed from the mold, is placed upon and clamped down to the strip or board 42 when in a horizontal position and an ordinary board 43^b is inserted between the side of the post and the strip 40. The brackets are then swung over to their other position, as shown in Fig. 6, thereby transferring the post to the board 43^b. The castings or arms 39 are then moved on their slides away from the post, whereby the pallet and formers 45 are withdrawn to be replaced in the mold and the operations repeated, the post, which now rests on the ordinary board, being removed to the drying yard.

Any suitable mold may be used in connection with my transfer table. The formers 45 are secured to the pallet and are designed for forming apertures or sockets in the post for inserting fastening devices for connecting objects to the post when completed. The use of the transfer table in connection with a mold in which pallets with formers are used is essential for the reason that there is no other way of removing the green post from the formers and pallet without damage to the post. If the post were allowed to dry sufficiently to handle, before the formers were removed, the formers would be cemented into the post so tight that the post would be damaged in getting them out, while if the green post were turned on its side (except by using the transfer table) to get out the formers it would be damaged.

I claim:

1. In an apparatus of the character described, a transfer table pivoted to a support and comprising two shelves arranged at right angles to each other, said table adapted to be turned to bring either shelf to a horizontal position, one of said shelves adapted to slide with relation to the other shelf, means to secure a pallet containing a green

fence-post to said sliding shelf, when the last named is in a horizontal position and means to move said sliding shelf away from the other shelf as the table is turned and said sliding shelf is brought from a horizontal to a vertical position for the purpose specified.

2. In an apparatus of the character described, a transfer table pivoted to a support and comprising two shelves arranged at right angles to each other, said table adapted to be turned to bring either shelf to a horizontal position, one of said shelves adapted to slide with relation to the other shelf, means to secure a pallet containing a green fence-post to said sliding shelf when the last named is in a horizontal position, and levers and links attached to said table and sliding shelf for moving said shelf away from the other shelf as the table is turned and said sliding shelf is brought from a horizontal to a vertical position for the purpose specified.

3. In an apparatus of the character described, a transfer table having pivoted brackets each comprising two arms arranged at right angles to each other, the corresponding arms of the brackets connected by strips, one arm of each bracket being mounted to slide in a plane parallel with the other arm, and means for sliding said arms for the purpose specified.

4. In apparatus of the character described, a transfer table having pivoted brackets comprising arms arranged at right angles to each other, the corresponding arms of the brackets connected by strips or boards, one arm of each bracket being mounted to slide in a plane parallel with the other arm, means to secure a pallet containing the green fence-post to the strip connecting said slidable arms, and means for sliding said arms.

5. In apparatus of the character described, a transfer table having pivoted brackets comprising arms arranged at right angles to each other, the corresponding arms of the brackets connected by strips or boards, one arm of each bracket being mounted to slide in a plane parallel to the other arm, levers on said pivoted brackets and links connecting said levers with said slidable arms, whereby to slide said arm.

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

JAMES M. ELDER.

Witnesses:
M. A. GOORY,
H. C. BAUER.