No. 839,962. PATENTED JAN. 1, 1907.

H. ROUTT.

BRICK MOLD.

APPLICATION FILED JULY 2, 1906.

FIG 1

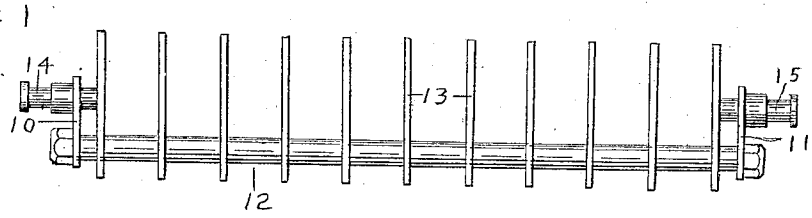


FIG 2

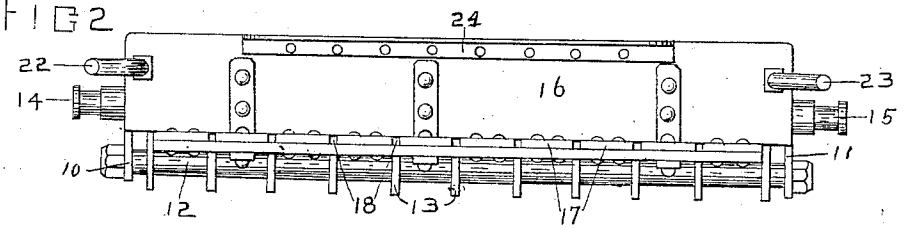


FIG 3

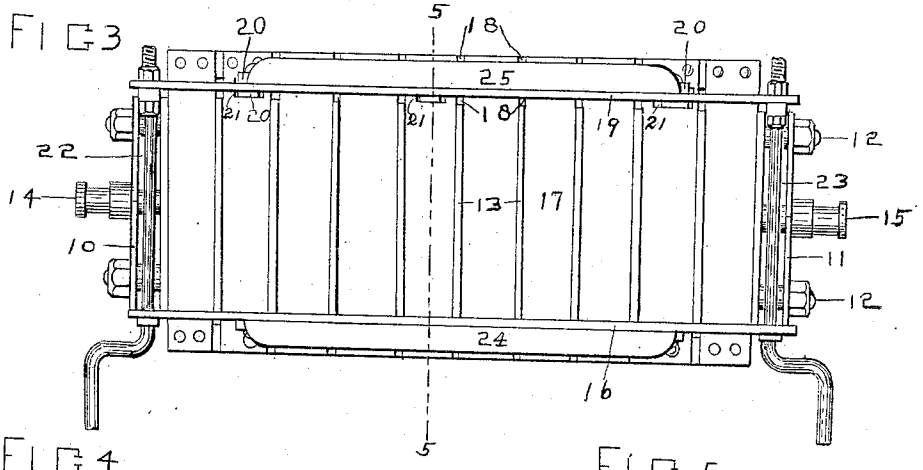


FIG 4

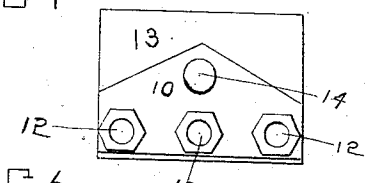


FIG 5

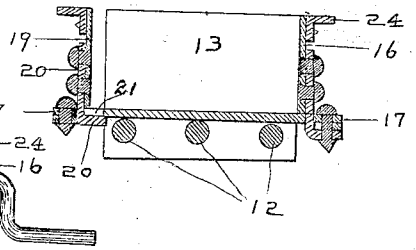
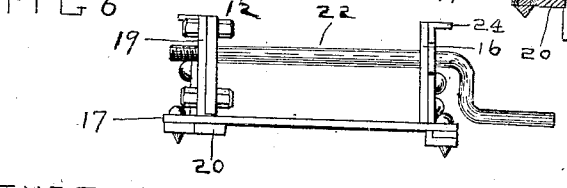


FIG 6



WITNESSES.

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UNITED STATES PATENT OFFICE.

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BRICK-MOLD.

No. 839,962. Specification of Letters Patent. Patented Jan. 1, 1907.

Application filed July 2, 1906. Serial No. 324,327.

To all whom it may concern:

Be it known that I, HIRAM ROUTT, a citizen of the United States, residing in Dallas Center, county of Dallas, and State of Iowa, have invented a new and useful Improvement in Brick-Molds, of which the following is a specification.

The object of my invention is to provide a mold simple, strong, durable, and inexpensive in construction adapted to receive cement or other plastic substance and to form the same into bricks.

A further object is to construct such a mold in such a manner that it may be quickly and easily removed from the plastic substance while yet in a semihardened condition without injurying the shape of the brick.

A further object is to provide a means whereby the mold may be suspended from a frame, if desired, for purposes of dumping and removing the molded brick.

My invention consists of certain details of construction hereinafter set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure I shows a side elevation view of the skeleton frame I employ. Fig. II shows a side elevation view of my complete device. Fig. III shows a plan view of the same. Fig. IV shows an end elevation view of my skeleton frame. Fig. V shows a transverse sectional view taken on the line 5 5, and Fig. VI shows an end view of the box or base portion of my mold.

Referring to the accompanying drawings, the reference-numerals 10 and 11 are used to indicate the end portions of the skeleton frame I employ, the said ends being secured to each other by means of shafts 12, located near their base-surfaces.

The numerals 13 indicate plates, preferably of metal, secured to the shafts 12 and evenly spaced and arranged thereon between the ends 10 and 11, with the exception of the plates adjacent to the said ends 10 and 11, which said plates are secured to the said ends by the bearing-shafts 14 and 15, respectively. The spaces between the plates 13 are designed to be of the same width as the desired thickness of the bricks, as will hereinafter appear. The skeleton frame thus formed is also designed for a subbase for my mold, as will also hereinafter appear.

The numeral 16 indicates one of the longitudinal sides of my box or base portion, said side being rigidly secured to a base 17, containing transverse slots 18, said slots being evenly spaced and arranged, the distance between said slots being the same as the distance between the plates 13, secured to the shafts 12 for purposes hereinafter set forth. The numeral 19 indicates the other longitudinal side of my box or base portion, said side being loosely secured to the said base by means of L-shaped lugs 20, secured to the side 19, extending through orifices 21 in the slotted base 17, the horizontal portion of the lugs 20 being of greater length than the orifices 21. The two longitudinal sides 16 and 19 are secured to each other by means of crank-shafts 22 and 23, loosely mounted one near each end in the rigid side 16, engaging screw-threaded openings similarly located in the loose side 19. The shafts 22 and 23 are designed to be mounted in such a position that when the parts of my device are joined they will be located between the end 10 and its adjacent plate 13 and the end 11 and its adjacent plate 13, respectively.

The numerals 24 and 25 indicate flanges secured to the upper edge surface and on the outer portion of the longitudinal sides 16 and 19, respectively.

In joining the two parts of my device as described the skeleton portion is placed in position, the free ends of the plates being uppermost and the lower ends of the plates resting on the ground or other support and forming the subbase. The box or base portion is then suspended over and forced down upon the skeleton portion, the upwardly-extending plates 13 engaging and projecting through the slots 18 until the base 17 engages and rests upon the shafts 12. As hereinbefore stated, the crank-shafts 22 and 23 assume positions between the outer plates 13 and the ends 10 and 11, respectively, thus causing the plates 13 to form compartments exactly similar in every respect. The crank-shafts 22 are then operated and the loosely-mounted side 19 forced firmly against the ends of the plates 13. The cement or other plastic substance is then tamped or poured as required into the said compartments and when sufficiently dry the mold is turned completely over the flanges 24 and 25 and the upper edge surfaces of the longitudinal sides 16 and 19 and the upper edge surfaces of the plates 13, forming the support. The crank-shafts 22 and 23 are then operated and the loosely-mounted side 19 forced away from the plates 13, thus releasing the sides of the plastic sub-

stance in the mold. The mold is then moved upwardly in a vertical plane from its support, thus obviously leaving the molded bricks resting upon the tray. The bearing-shafts 14 and 15 are not only designed as handles, but also for the purpose of constituting support-shafts in case the operator may desire to suspend my device upon a frame.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

In a brick-mold the combination of a skeleton frame having a plurality of plates extending upwardly from support-shafts; a base portion having one longitudinal side rigidly secured to a base; a plurality of transverse slots in said base designed to engage the plates on the skeleton portion; orifices in said base; a second longitudinal side loosely secured to said slotted base by means of lugs engaging the orifices in the said slotted base; screw-threaded crank-shafts connecting said longitudinal sides all arranged and combined substantially as and for the purposes stated.

HIRAM ROUTT.

Witnesses:

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