No. 768,345. PATENTED AUG. 23, 1904.

G. H. RADEMACHER & J. C. F. BOLL.

PRESS FOR MOLDING ARTIFICIAL STONE BLOCKS.

APPLICATION FILED MAY 26, 1904.

NO MODEL.

Fig. 1.

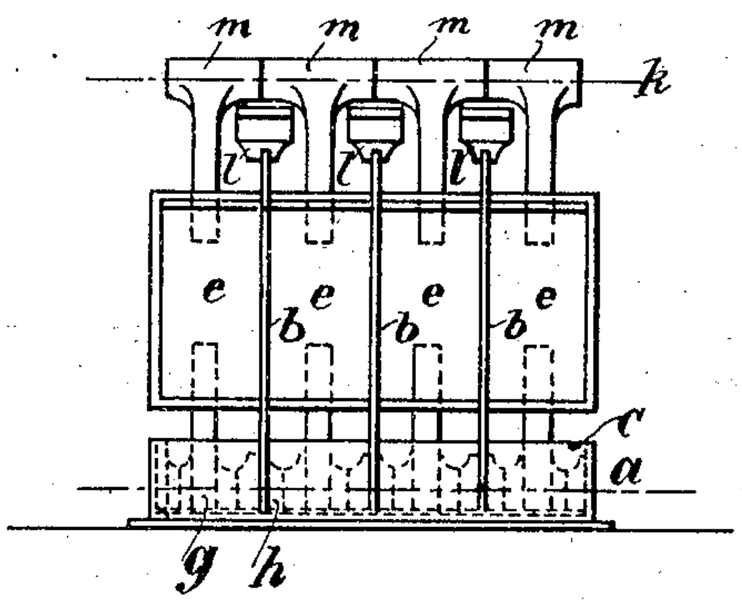


Fig. 2.

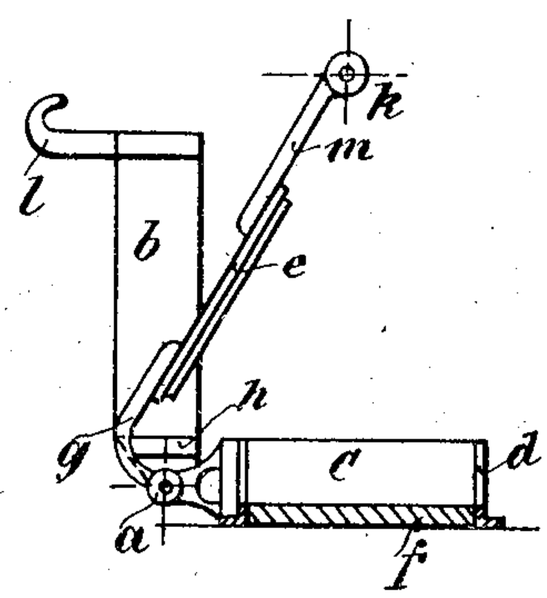


Fig. 3.

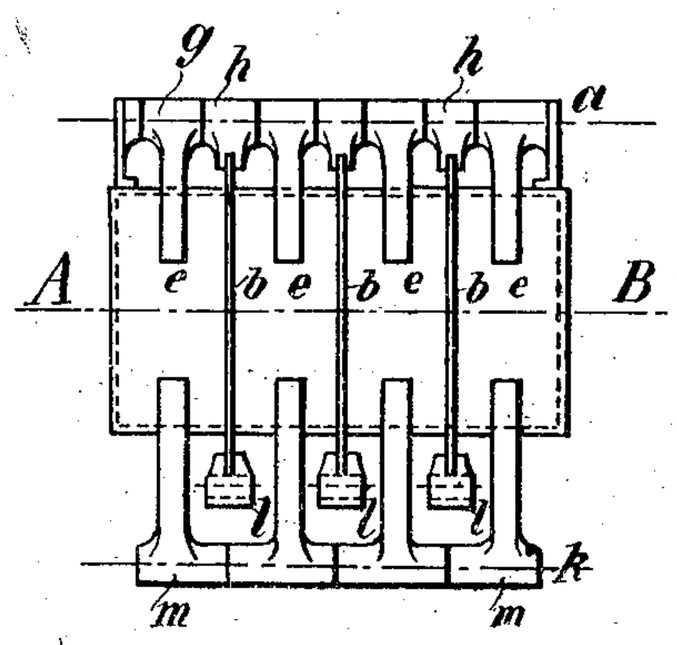


Fig. 4.

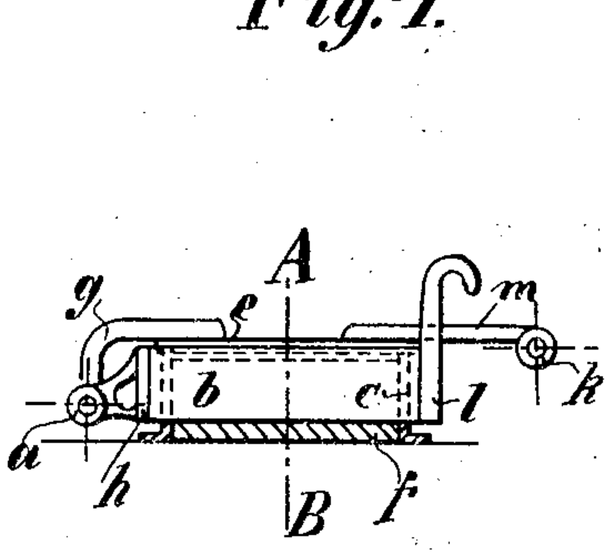
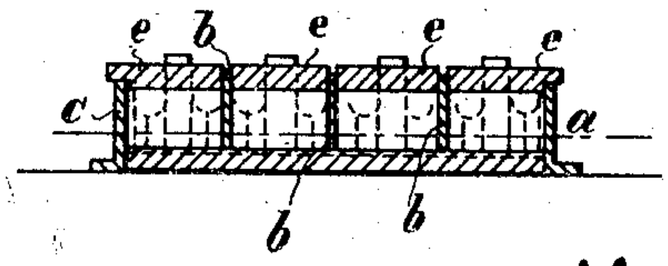


Fig. 5.



Witnesses
Harry Ellis Chandlee.
William C. O. Keyes.

Inventors
G. H. Rademacher
J. C. F. Boll.
by Chandlee & Chandlee
attys.

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UNITED STATES PATENT OFFICE.

GEORG HEINRICH RADEMACHER AND JOHANN CHRISTIAN FRIEDRICH BOLL, OF QUICKBORN, GERMANY; SAID BOLL ASSIGNOR TO LORENS CHRISTIAN FILSKOV, OF MÖGELTONDERN, GERMANY.

PRESS FOR MOLDING ARTIFICIAL-STONE BLOCKS.

SPECIFICATION forming part of Letters Patent No. 768,345, dated August 23, 1904.

Application filed May 26, 1904. Serial No. 209,892. (No model.)

To all whom it may concern:

Be it known that we, GEORG HEINRICH RADEMACHER and JOHANN CHRISTIAN FRIEDRICH BOLL, subjects of the Emperor of Germany, residing at Quickborn, Holstein, Germany, have invented certain new and useful Improvements in Presses for Molding Artificial-Stone Blocks, of which the following is a specification.

This invention relates to improvements in presses for molding artificial-stone blocks.

The object of the invention is to provide a simple, reliable, and effective press for the formation of artificial-stone blocks for building and other purposes and in which with one stamping operation the simultaneous production of several blocks is effected. Devices of this nature heretofore known have presented disadvantages on account of the fact that the sliding plates which divide the mold-box into compartments had either to be moved out and in laterally or vertically. In the case where said plates were horizontally slidable considerable time was required for introducing and withdrawing the same, and there was the risk, especially when large plates were employed, of said plates being distorted and the smooth faces of the stone blocks being damaged. As distinguished from such prior constructions under the present invention the partition-plates are pivoted so as to be swung through a circular path, whereby their operation requires less time, and better results are obtained, inasmuch as sharp edges are produced on the section-planes of the blocks.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation showing the partition-plates and cover in raised position. Fig. 2 is an end elevation partly in section. Fig. 3 is a plan with the partition-plates and cover in lowered position. Fig. 4 is an end elevation thereof. Fig. 5 is a section on the line A B of Figs. 3 and 4.

As shown in the drawings, the improved press comprises the box *c*, behind the rear end of which is mounted in brackets the longitudinal axis or pivot-pin *a*, on which axis *a* are pivoted a number of partition-plates *b*, in the present case three, by means of hinges *h*, said partition-plates *b* being so arranged that when turned down to horizontal position, as shown in Fig. 4, the edges thereof contact with the base of the box *c* or with the board *f*, located within the same, and their forward ends project beyond the box through the slots *d* on the front edge of the box. On the same axis *a* is pivoted a cover *e*, connected by hinges *g*, the cover being made in separate sections disposed at sufficient distance apart for the blades to pass through the interstices between the sections. The said cover is provided with a fillet all round, which on closing down the cover bears against the edge of the box *c*. On the floor of the box is a board *f*, which may be operated by the usual treadle-gear for raising the prepared stones.

The plates *b* may be separately raised or they may be simultaneously raised by attaching a hook *l* to each of said plates and providing a common shaft engaging said hooks *l* to raise said plates *b*. Similarly the sections of the cover *e* may be simultaneously operated by means of a rod *k*, passing through orifices in arms *m*, secured to the sections *e*, as shown.

What we claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described press for molding artificial-stone blocks, comprising, in combination, a box, a cover formed in sections separated by longitudinal interstices, and hinged partition-plates turnable independently of said cover and adapted to pass through said interstices, as and for the purpose set forth.

2. The improved press for molding artificial-stone blocks, comprising, in combination, a box, a cover, partition-plates adapted to pass through slots in said cover, and means whereby said cover and said plates are hinged to said box so as to be independently rotatable, substantially as described.

3. The herein-described press for molding artificial-stone blocks, comprising, in combination, a box, a hinged cover formed in sections separated by longitudinal interstices, removable means connecting said sections enabling

them to be swung simultaneously, hinged partition-plates adapted to pass through said interstices, and removable means connecting said partition-plates enabling them to be swung simultaneously but independently of said cover, as and for the purpose set forth.

4. The improved press for molding artificial-stone blocks, comprising, in combination, a box having its front end slotted as shown, a transverse pivot beyond the rear end of said box, means for supporting said pivot to said box, a cover formed in sections separated by longitudinal interstices, hinges connecting said cover to said pivot, partition-plates adapted to pass through said interstices and to enter the slots on the front end of said box, and hinges connecting said partition-plates to said pivot, substantially as described.

5. The improved press for molding artificial-stone blocks, comprising, in combination, the box *c* having its front edge slotted as shown, the pivot *a* beyond the rear end of said box, the cover *e* formed in sections separated by longitudinal interstices, hinges *g* connecting said sections to said pivot, partition-plates *b* adapted to pass through said interstices, hinges *h* connecting said plates to said pivot, hooks *l* attached to said plates, arms *m* attached to said sections said arms having orifices, and a rod *k* passing through said orifices, as shown and described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

GEORG HEINRICH RADEMACHER.
JOHANN CHRISTIAN FRIEDRICH BOLL.

Witnesses:
BRUNO BEUSCH,
GUSTAV WILNER.