

No. 736,337.

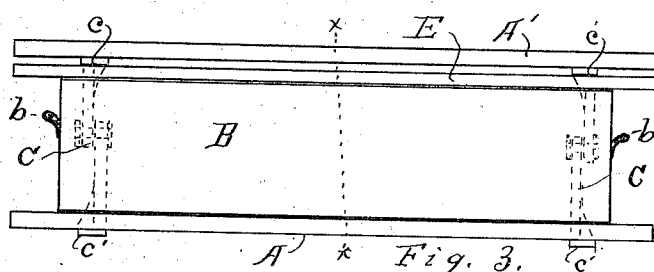
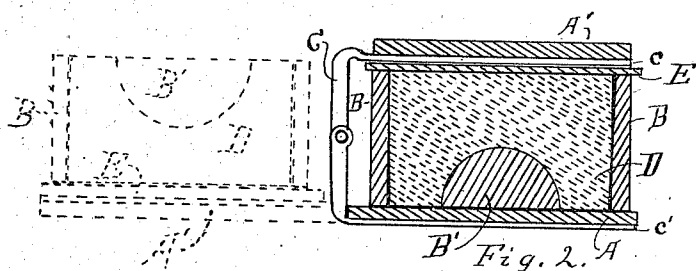
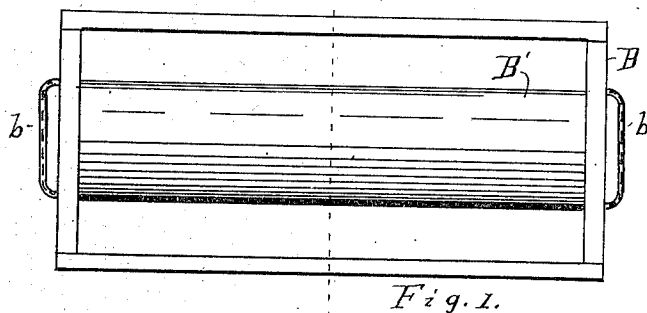
PATENTED AUG. 11, 1903.

R. C. TUCKER.

TILE MOLD.

APPLICATION FILED APR. 3, 1903.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT C. TUCKER, OF LAMONT, MICHIGAN.

TILE-MOLD.

SPECIFICATION forming part of Letters Patent No. 736,337, dated August 11, 1903.

Application filed April 3, 1903. Serial No. 150,977. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. TUCKER, a citizen of the United States, residing at Lamont, in the county of Ottawa and State of Michigan, have invented certain new and useful Improvements in Tile-Molds, of which the following is a specification.

My invention relates to improvements in tile-molds, and its objects are, first, to form the tile in halves, and, second, to provide for easily removing the tile from the mold. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top plan of the flask. Fig. 2 is a cross-section of the flask and follow-boards on the line *x x* of Fig. 3. Fig. 3 is a front elevation of the same.

Similar letters refer to similar parts throughout the several views.

This machine is constructed with two follow-boards A and A', so connected by the hinged support C that they will stand exactly parallel when the board A' is to the position indicated by the solid lines in Fig. 2 and in Fig. 3. A represents the follow-board proper, upon which the flask B is placed to be filled with the concrete or plastic material to be molded into tile-sections. This flask has a half-round core B' through the center at the lower surface of the flask B, designed to form one-half of a round hole through the tile. This core also acts as a support to prevent the concrete D from slipping out of the mold when it is raised from the follow-board A to throw it over to the position indicated by the dotted lines in Fig. 2. After the flask B has been placed upon the follow-board A and filled with the prepared concrete or plastic material D the cap E is placed on top of the flask and the follow-board A' swung to place above the cap, as shown in Figs. 2 and 3, when the flask may be raised up by the handles *b b*, and the flask, follow-board A', and cap E may be carried over, as indicated by the dotted lines in Fig. 2, when the flask may be removed from

the molded tile and the tile removed upon the cap E to position to dry.

The hinge-straps *c* are placed in position upon the follow-board A' to be thrown between this board and the cap E, so that the hand of the operator may be easily passed between the two boards for the purpose of lifting the cap E and the molded tile off of the follow-boards A' and to position for storing and drying. The wings of the hinges C are securely attached to the follow-boards, and to prevent the cap E and the follow-board A' from dropping away from the flask B when being turned to the position indicated by the dotted lines in Fig. 2 it is only necessary to tack a few nails into the cap and the follow-board. The adhesion of the plastic material D will prevent the cap from dropping away from the flask B until the flask has been carried to a position where the hand can be placed back of or under the follow-board or carry it to position for removing the flask from the molded concrete, or, if desired, dowels may be passed through the cap and into the edges of the flask, or nails or any of several other available devices may be utilized for the purpose.

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

In a tile-mold, a flask, and a supporting core-block secured to said flask, in combination with follow-boards, hinge-leaves secured to the follow-boards, projecting back therefrom, bent at right angles and pivoted together upon a line with the vertical center of the flask, and a cap between the upper follow-board and the flask, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, March 30, 1903.

ROBERT C. TUCKER

In presence of—
C. V. CILLEY,
I. J. CILLEY.