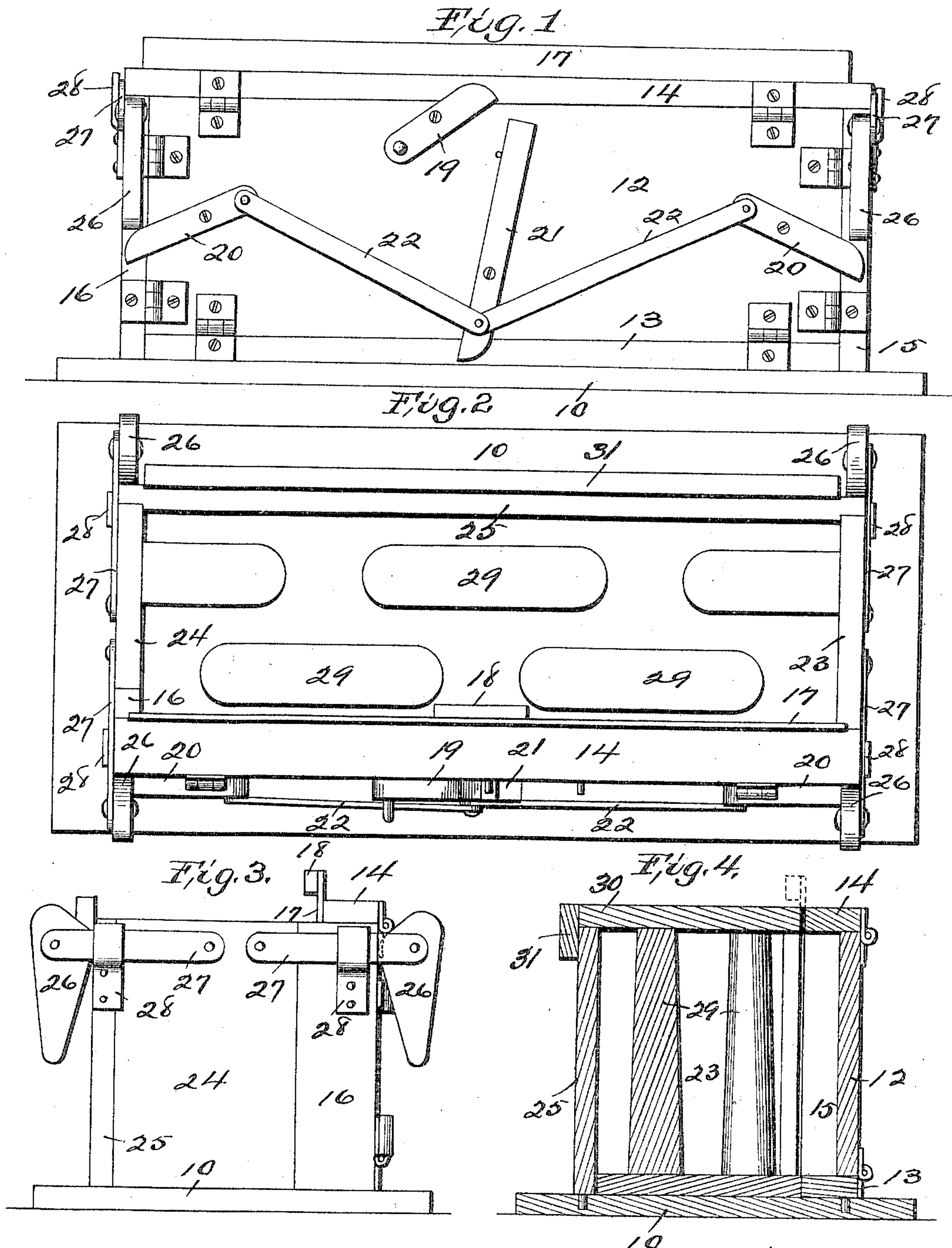


No. 811,080.

PATENTED JAN. 30, 1906.

H. NOAH.  
MOLD FOR MAKING BUILDING BLOCKS.

APPLICATION FILED JUNE 12, 1905.



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# UNITED STATES PATENT OFFICE.

HENRY NOAH, OF BAXTER, IOWA.

## MOLD FOR MAKING BUILDING-BLOCKS.

No. 811,080.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed June 12, 1905. Serial No. 265,421.

*To all whom it may concern:*

Be it known that I, HENRY NOAH, a citizen of the United States, residing at Baxter, in the county of Jasper and State of Iowa, have invented a new and useful Mold for Making Building-Blocks, of which the following is a specification.

My object is, first, to provide a mold with a separable front in which material for the front of a building-block can be placed and handled; second, to combine the movable front of the mold with the main portion of the mold in such a manner that the material in the front can be readily united with material placed in the main portion of the mold to produce a complete block that has a front face of better quality than the main portion of the block and also differ in color when desired; third, to provide improved means for connecting the separable parts of the mold as required to facilitate handling and using the mold advantageously.

My invention consists in the construction, arrangement, and combination of pieces and subcombinations, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a face view of the front face of the mold and adjustable devices for locking the adjustable ends, the top, and the removable back of the separable front of the mold as required to close it and handle it when filled with plastic material. Fig. 2 is a top view of the complete mold and shows the positions of all the parts relative to each other and the bottom of the mold. Fig. 3 is an end view and shows the means for clamping the sides of the mold to the ends as required for securely holding them in place while the mold is filled with concrete to produce a building-block. Fig. 4 is a transverse sectional view that shows the removable sides and top and the cores in their proper positions relative to each other on top of the bottom piece.

The numeral 10 designates the flat bottom of the mold. It may vary in size as desired and is provided with a plurality of apertures at its sides and end for dowel-pins projecting from the edges of the removable sides and ends of the mold.

The separable front of the mold is composed of the front side 12, that has a hinged bottom 13 and a hinged top 14 and hinged ends 15 and 16 and a metal plate 17, adapted to be slipped down in grooves in the inside faces

of the hinged end pieces 15 and 16 as required to close the inside of the separable front.

A finger-hold 18 is at the top and center of the metal plate 17 to facilitate lifting the plate as required in filling the main part of the mold to unite the material filled in with the material filled into the separable front of the mold, as hereinafter stated.

To lock the hinged top 14 in a horizontal position, a turn-button 19 is pivoted to the front face of the side 12. To lock the hinged ends 15 and 16 in position, as shown in Fig. 1 and as required to close the ends of the separable front of the mold, two turn-buttons are pivoted to the front side 12 and connected with a lever 21 by links 22, as shown in Fig. 1, in such a manner that the turn-buttons can be simultaneously moved by means of the lever as required to lock the hinged ends 15 and 16.

The ends 23 and 24 of the main portion of the mold are fitted between the rear side 25, and the hinged end pieces 15 and 16 and eccentric clamp 26 are pivoted to the outer ends of links 27, pivoted to the outside faces and upper end portions of the movable ends, as shown in Fig. 3, for clamping the sides and ends together as required to hold them in closed positions before concrete is filled into the mold. Supports 28 are fixed to the ends of the sides 12 and 25 as required to retain the links 27 and eccentrics 26 in proper position when the parts are locked together to close the ends and sides of the mold.

A plurality of cores 29 are fixed on top of the bottom 10 for producing vertical open-ended cavities in the blocks.

A removable top 30 is fitted on the tops of the side 25 and the end pieces 23 and 24 between the hinged top piece 14 and a fixed strip 31 at the top and outside face of the side 25, as shown in Fig. 4.

In the practical use of my invention the separable front is first filled with concrete of good quality to produce a hard, strong, and durable front face on a block. The material used may be of any color desired. The separable front part of the mold is then connected with the main portion of the mold, as shown in Fig. 4, and the movable top 30 taken off and concrete filled in around the cores 29 in the bottom portion of the mold and the plate 17 lifted to allow the concrete in the main mold to unite with the better quality of ma-



terial in the separable front of the mold, and by successive filling in concrete and successive elevations of the plate 17 the main portion of the mold is filled and the plate removed and a complete block produced that has front face of superior quality and different in color when desired. After the concrete in the mold is sufficiently dry and adhesive the top 30 is replaced and the mold and concrete therein inverted and the bottom 10 and cores 29 lifted away and the sides and ends of the mold taken off and the inverted block carried away on the board 30.

Having thus set forth the purpose of my invention and its construction and manner of use, the practical operation and utility thereof will be obvious to persons familiar with the art to which it pertains.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a separable front for a building-block mold, a front side having hinged ends and a hinged top.
2. In a separable front for a building-block mold, a front side having hinged ends and a hinged top and a hinged bottom.
3. In a separable front for a building-block mold, a front side having hinged ends, a hinged top, a hinged bottom and a metal plate detachably connected with the pieces hinged to the front side.
4. In a separable front for a building-block mold, a front side having hinged ends and a hinged top and a hinged bottom, a turn-button pivoted to the front face of the side to engage the edge of the hinged top, for the purposes stated.
5. In a separable front for a building-block mold, a front side having hinged ends and a hinged top and a hinged bottom and turn-but-

tons pivoted to the outside face of the front side.

6. In a separable front for a building-block mold, a front side having hinged ends and a hinged top and a hinged bottom and turn-buttons pivoted to the outside face of the front side and means for locking them.

7. In a separable front for a building-block mold, a front side having hinged ends and a hinged top and a hinged bottom and turn-buttons pivoted to the outside face of the front side, a lever pivoted to the front side and connected with the turn-buttons by links for locking them.

8. In a separable front for a building-block mold, a front side having hinged ends and a hinged top, a rear side and two ends provided with dowels to enter apertures in the bottom of the mold and means to lock all the parts together.

9. In a separable front for a building-block mold, a front side having hinged ends and a hinged top, a rear side and two ends provided with dowels to enter apertures in the bottom of the mold, eccentrics adjustably connected with the ends to engage the outside faces of the front and rear sides of the mold for clamping the sides to the ends.

10. In a mold for making building-blocks, a bottom, a front side having hinged pieces at its ends, a rear side, ends fitted between the hinged pieces and the rear side, links pivoted to the ends and eccentric clamps pivoted to the links to engage the outside faces of the parallel sides and means to support the outer ends of the links and clamps.

HENRY NOAH.

Witnesses:

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