

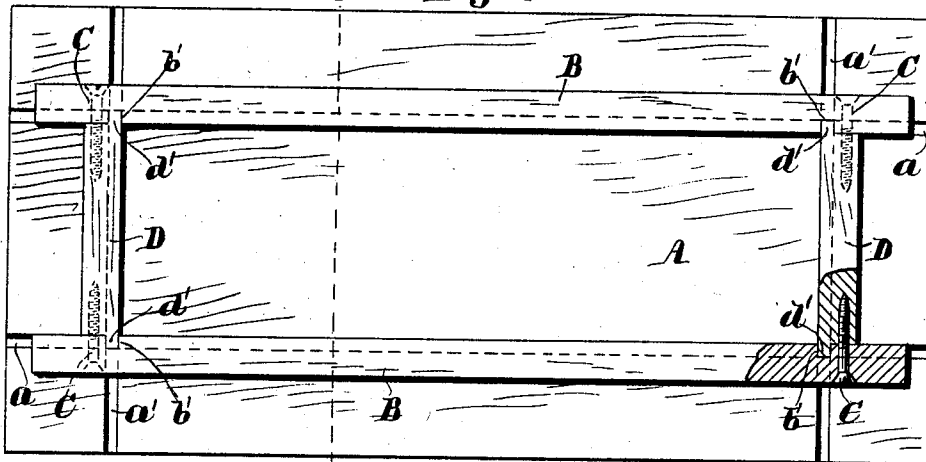
J. A. McNAMEE.

MOLD FOR MAKING ARTICLES OF CONCRETE OR PLASTIC MATERIAL.

APPLICATION FILED SEPT. 6, 1902.

NO MODEL.

3 Fig. 1.



3 Fig. 2.

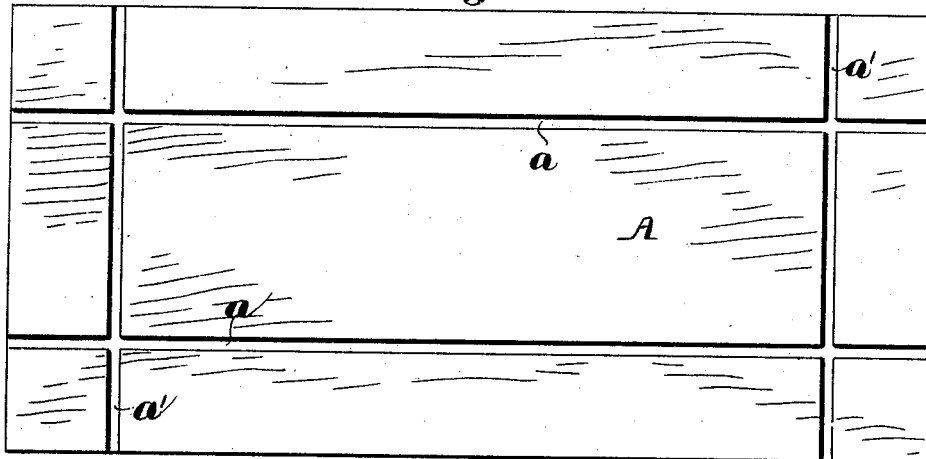


Fig. 4.

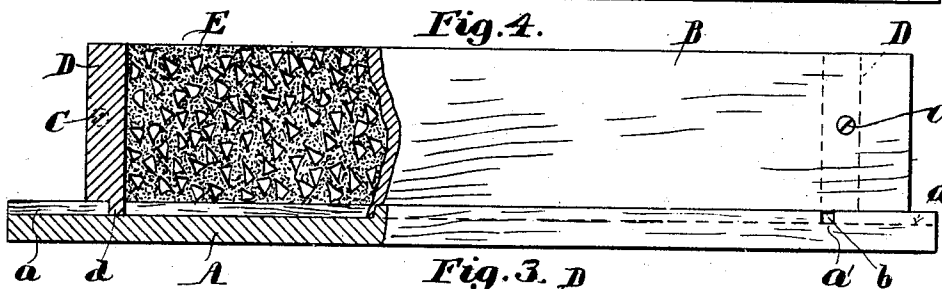
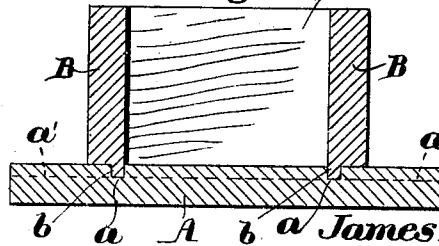


Fig. 3.



Witnesses:

Walter C. Lombard
Charles H. Smith

Inventor:

James A. McNamee,
by *Wm. Andrew Atty.*

UNITED STATES PATENT OFFICE.

JAMES A. MCNAMEE, OF CAMBRIDGEPORT, MASSACHUSETTS.

MOLD FOR MAKING ARTICLES OF CONCRETE OR PLASTIC MATERIAL.

SPECIFICATION forming part of Letters Patent No. 733,735, dated July 14, 1903.

Application filed September 6, 1902. Serial No. 122,300. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MCNAMEE, a citizen of the United States, and a resident of Cambridgeport, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Molds for Making Articles of Concrete or Plastic Material, of which the following is a specification.

This invention relates to improvements in molds for making articles of concrete or plastic material—such as, for instance, cornices, sills, jambs, heads, pillars, &c.—for building and similar purposes, and it is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 is a top plan view of the improved mold, partly shown in section. Fig. 2 is a top plan view of the bottom board of said mold. Fig. 3 is a cross-section on the line 3 3 shown in Fig. 1; and Fig. 4 is a side elevation of the improved mold, partly shown in section.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

The improved mold is composed of a bottom board A, provided on its upper side with a pair of parallel longitudinal grooves *a a* and a pair of parallel transverse grooves *a' a'*, as shown. In connection with such grooved bottom board A, I use a pair of detachable side boards B B and end boards D D. Each of the side boards B is provided on its under side with a tongue *b*, adapted to be inserted in and fit into one of the grooves *a* on the bottom board A, as shown. Each of the said end boards D is likewise provided on its under side with a tongue *d*, adapted to be inserted in and fit into one of the transverse grooves *a'* on the bottom board A, as shown. On the interior of each side board B, at or near its ends, are made vertical grooves *b' b'*, adapted to receive correspondingly-shaped tongues *d' d'* on the ends of the boards D D, as shown. C C are screws passing through perforations in the side boards B B and screwed into the ends of the boards D D, as shown, and said screws serve as means for securing the side and end boards together during the molding operation.

In practice I prefer to arrange the inside of each of the tongues *b* flush and even with

the interior faces of the sides B B, so as to cause a true and perfect corner to be made at the junction of the bottom board and the said side pieces when the plastic material is placed in the mold. In a similar manner and for a like purpose I make the insides of the tongues *d d* on the lower portion of the boards D D flush and even with the interior faces of the latter. I also make the insides of the vertical tongues *d' d'* on the end boards D D flush and even with the insides of the latter, as shown.

In using the improved what may be termed a "knockdown" mold for the purpose of molding articles from concrete or plastic material I first place the bottom board A in position on a bench or other suitable work-support. I then place the side boards B B in position on the bottom board, with the tongues *b b* engaging the grooves *a a* in the bottom board. I then place the end boards D D in position relative to the bottom board A and sides B B, with the lower tongues *d d* engaging the bottom-board grooves *a' a'* and with the vertical tongues *d' d'* engaging the vertical grooves *b' b'* on the interior of the side boards B B, as fully shown in the drawings. I then secure the side and end boards together by means of the fastening-screws C C, as shown. The improved mold is now in a position for molding the plastic material E, as shown in Fig. 4, which is introduced in a semiliquid form in the mold and allowed to set and harden, after which the fastening-screws C C are removed. The side boards B B are then readily removed from the bottom board and end boards, after which the end boards are removed from the bottom board, leaving the molded article resting on the bottom board, from which it can readily be removed to any desired place for storage or transportation, as may be desired.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

A knockdown mold, for molding articles of plastic materials, comprising a bottom board having longitudinal and transverse grooves in its upper face, said grooves extending the entire length and breadth of said upper face, detachable side boards having tongues on their bottom edges adapted to fit into said

longitudinal grooves in the bottom board, the inner face of said tongues being flush with the inner face of said side boards, said side boards of a length to extend past the transversely-extending grooves of the bottom board, said detachable side boards further provided with vertical grooves in their inner faces near their ends, said vertical grooves of the side boards registering with the transversely-extending grooves of the bottom board, detachable end boards having tongues on their bottom edges adapted to fit into the transversely-extending grooves in the bottom board, the inner face of the tongues on the bottom edges of said detachable end boards

flush with the inner face of said boards, said detachable end boards further provided with tongues on their ends adapted to fit in the vertical grooves in the inner face of the said detachable side boards, the inner face of the said tongues on the ends of the end boards being flush with the inner face of said boards, and means connected to the said boards for detachably connecting them together. 20

In testimony whereof I have affixed my signature in presence of two witnesses. 25

JAMES A. McNAMEE.

Witnesses:

ALBAN ANDRÉN,
DAVID H. ALLEN.