F. P. BUNKER.

BRICK MOLD.

APPLICATION FILED MAR. 22, 1918.

1,268,676. Patented June 4, 1918.

Fig. 1,

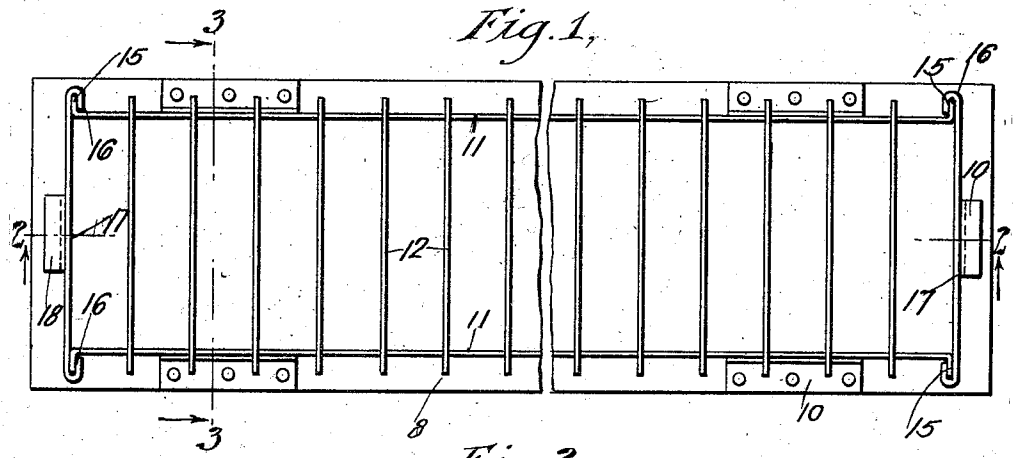


Fig. 2,

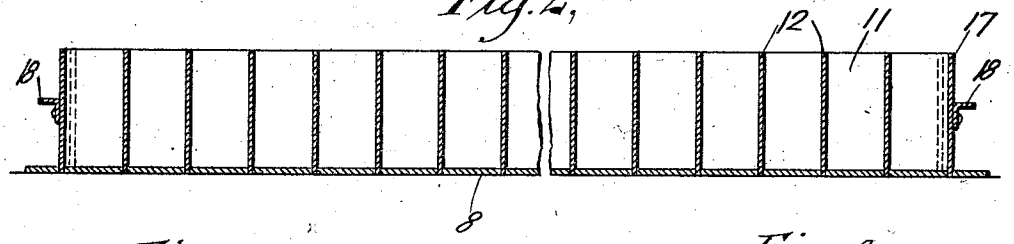


Fig. 3,

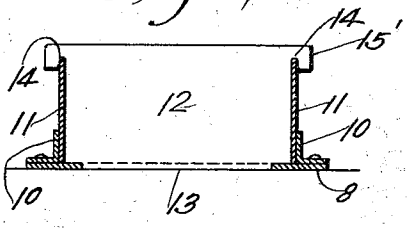


Fig. 4,

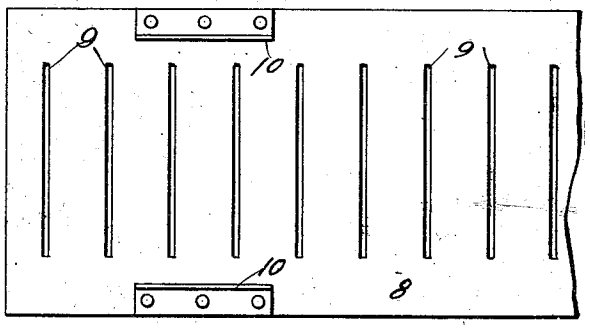


Fig. 5,

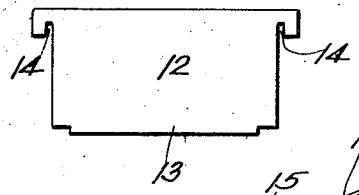


Fig. 7.

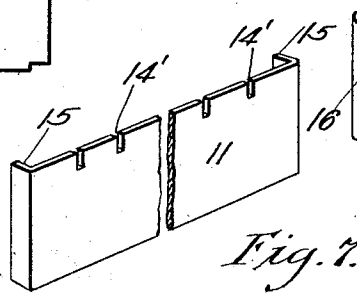
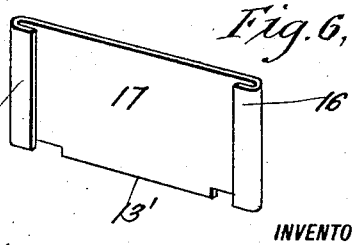


Fig. 6,



WITNESSES

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BRICK-MOLD.

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Application filed March 22, 1918. Serial No. 223,924.

To all whom it may concern:

Be it known that I, FRANK PERCY BUNKER, a citizen of the United States, residing at North Manchester, in the county of Wabash and State of Indiana, have invented a new and Improved Brick-Mold, of which the following is a full, clear, and exact description.

My invention relates to a collapsible brick mold, and an object of the invention is to provide a mold which is simple, inexpensive, and which allows the use of a series of bottoms of the mold with one set of walls and partitions, so that bricks may be cured and hardened on the bottom of the mold while the rest of the mold is used over and over again to form new bricks on new bottoms of the mold.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated and claimed.

In the accompanying drawings, forming part of the application, similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan of a brick mold embodying my invention;

Fig. 2 is a longitudinal section on line 2—2, Fig. 1;

Fig. 3 is a transverse section on line 3—3, Fig. 1;

Fig. 4 is a fragmentary plan view of the mold bottom;

Fig. 5 is an elevation of a partition;

Fig. 6 is a perspective view of an end wall; and

Fig. 7 is a fragmentary perspective view of a side wall of the mold.

Referring to the drawings, 8 is the mold bottom, which is in the shape of an elongated plate, preferably made of metal, and which has a series of parallelly-spaced slots 9 running transversely of the bottom 8. The bottom 8 also carries lugs 10 in proximity to the longitudinal edges. The lugs 10 are preferably formed of corner-iron sections riveted to the plate 8. At each longitudinal edge there is a plurality of such lugs spaced from each other and against which a side wall 11 is placed, the walls being supported by the bottom 8. The walls are maintained against the lugs by partitions 12 which have extensions 13 fitting into the slots 9. In other words, the distance between the slots 9 determines the thickness of the brick. The partitions, in addition, have notches 14 which engage the upper edge of the side walls 11 which also have notches 14′ engaging lateral extensions 15′ of the partitions 12 in which the notches 14 are formed. These interengaging notches prevent the walls 11 and partitions 12 from spreading at the upper edges, the spreading at the lower edges being prevented by the lugs 10 and slots 9.

The side walls 11 have the ends bent at right angles to form flanges 15, the two flanges of the same wall pointing in the same direction. The flanges of the opposite walls point in opposite directions, or outwardly of the mold. The flanges 15 are engaged by the folded-over ends 16 of the end walls 17, the end walls 17 being slipped over the flanges 15 of the side wall 16. The engagement of the infolded ends of the end wall 17 with the flanges 15 lock said end walls to the side walls and to the bottom by the engagement of the extensions 13′ provided on the end walls 17. To facilitate the handling of the end walls, they are provided with grips 18.

When a mold is mounted in the manner as shown in Fig. 1, the same can be filled with material from which the bricks are to be made. After the mold is filled, the side wall, end walls, and the partitions can be removed, leaving the molded bricks on the bottom 8 to cure and harden. Another bottom is then taken, the removed side and end walls and the partitions are mounted on the new bottom, the mold filled with material, again the side walls, end walls and partitions removed, etc. It will be seen, therefore, that with the same side walls, end walls, and partitions, a number of bricks can be molded, that is, by having a large number of mold bottoms to support the bricks after they have been molded while they cure and harden.

I claim:

1. A collapsible brick mold comprising an elongated bottom having parallelly-spaced slots disposed transversely of the bottom, lugs near the side edges of the bottom, side walls on the bottom having outwardly-directed flanges at the vertical edges, end walls having infolded vertical edges for engaging

the flanges of the side walls, said end walls having extensions adapted to engage the slots of the bottom, and partitions adapted to be disposed transversely of the bottom between the side walls and adapted to maintain said side walls against the lugs, said partitions having extensions for engaging slots in the bottom and notches for engaging the parallel edges of the side walls, said side walls having also notches in the upper edges adapted to engage the partitions at the notches in the partitions.

2. A collapsible brick mold comprising an elongated bottom, lugs near the side edges of the bottom, partitions adapted to be disposed transversely of the bottom between the side walls to maintain said side walls against the lugs, said partitions having means for detachably engaging the bottom and side walls, said side walls having their vertical edges bent outwardly, and end walls having their vertical edges folded over so as to engage said outwardly bent ends of the side walls.

3. A collapsible brick mold comprising an elongated bottom having parallelly-spaced slots disposed transversely of the bottom, lugs near the side edges of the bottom, side walls on the bottom, end walls detachably engaging the vertical edges of said side walls, and partitions adapted to be disposed transversely of the bottom between the side walls for maintaining said side walls against the lugs, said partitions having extensions for engaging the slots in the bottom, said extensions being narrower than the partitions so that said partitions have portions thereof resting on the bottom, said partitions having also edges near the top for engaging the top edges of the side walls, and said side walls having notches to engage the partitions at the notches in the partitions.

FRANK PERCY BUNKER