Dec. 26, 1922. 1,440,105.

R. ROIDERER.

BRICK MOLD.

FILED SEPT. 18, 1920.

3 SHEETS—SHEET 1.

Fig. 2.

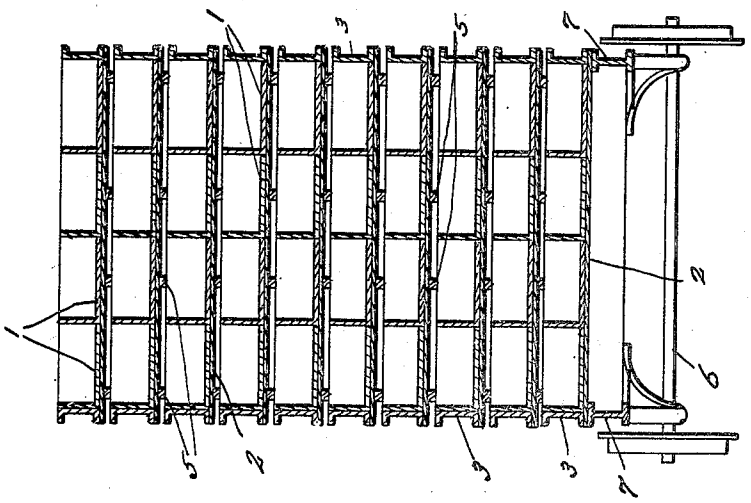
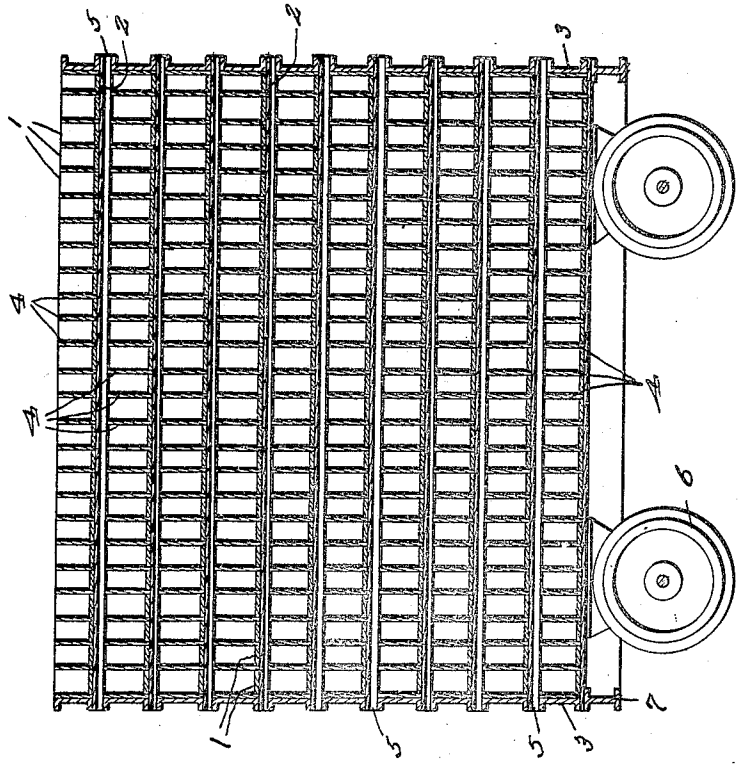


Fig. 1.



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3 SHEETS—SHEET 2.

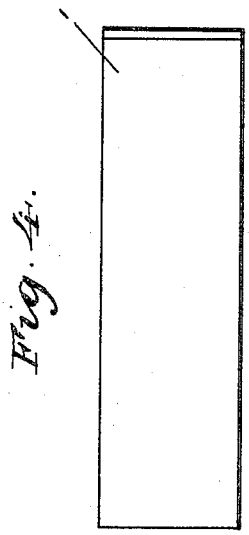


Fig. 4.

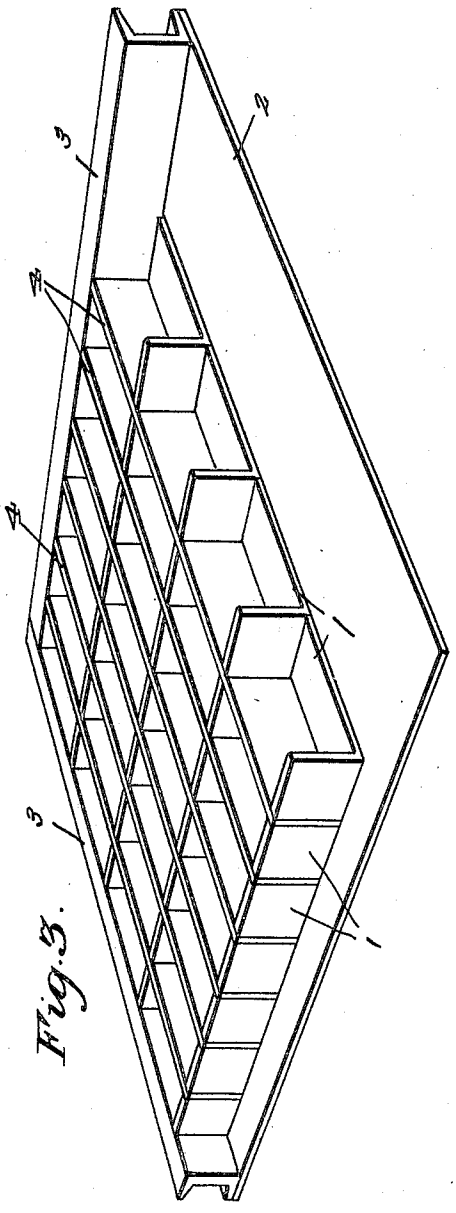



Fig. 3.

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BRICK MOLD.

FILED SEPT. 18, 1920. 3 SHEETS—SHEET 3.

Fig. 6.

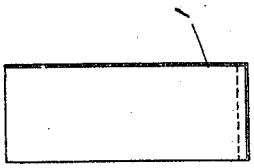



Fig. 5.

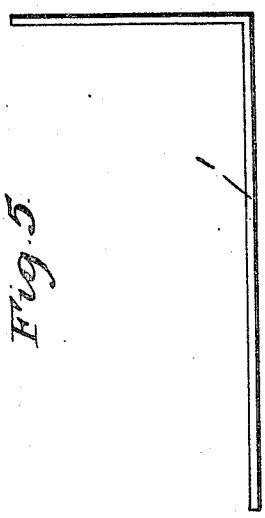
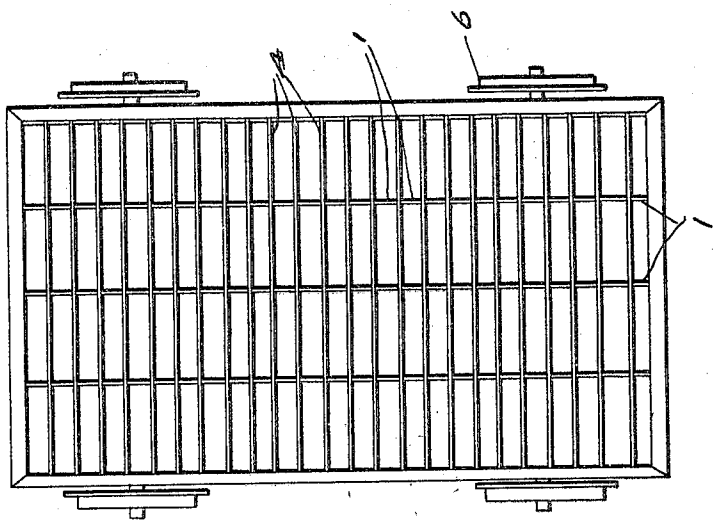



Fig. 7.




R. A. Thomas

L. B. Middleton

WITNESSES

R. Roiderer INVENTOR

BY Victor J. Evans

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Patented Dec. 26, 1922. 1,440,105

# UNITED STATES PATENT OFFICE.

RICHARD ROIDERER, OF CLEVELAND, OHIO.

## BRICK MOLD.

Application filed September 18, 1920. Serial No. 411,079.

*To all whom it may concern:*

Be it known that I, RICHARD ROIDERER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Brick Molds, of which the following is a specification.

This invention relates to a method of making bricks, tiles, building blocks and the like and also to the construction of the molds for making these articles.

The general object of the invention is to construct the molds of a plurality of angle or L-shaped plates, each consisting of a bottom and an end, upon which the articles are to be formed, and side strips for forming the sides of the molds.

Another object of the invention is to place the molds in layers, with the layers placed apart to permit the circulation of air between the layers.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a longitudinal sectional view showing the molds placed on a truck.

Figure 2 is a cross sectional view of Figure 1.

Figure 3 is a perspective view of some of the molds forming one of the layers.

Figure 4 is a top view of one of the molds.

Figure 5 is an elevation view thereof.

Figure 6 is an end view thereof.

Figure 7 is a top view of Figure 1.

As shown in these views each mold is formed of an angle or L-shaped plate 1, this plate forming the bottom and one end of the mold. These plates are placed on a platform or another support, such as shown at 2, the platform being provided with the upwardly extending sides 3. One row of plates is placed along one of the sides and then a strip 4 is placed alongside of this row of plates. Then another row of plates is placed along the other face of this strip and another strip is placed along the side of the second row of plates. This is continued until the platform is filled with molds. It will be seen that the sides of the mold are formed of the strips and the walls of the platform and the ends of the molds are formed by the upwardly extending part of the angle plates, the upwardly extending part of one plate forming the end for the mold of the adjacent plate.

It can also be seen that the article molded is carried by each plate and can be removable by simply lifting up the plate. Thus it is not necessary to handle the molded articles until they are thoroughly dry.

As the platform is filled with angle plates the other two sides are put in place and then strips 5 are placed on the tops of the sides and another platform placed on these strips. This platform is then filled with angle plates and this operation is continued until sufficient amount of molds has been built up.

Before placing the strips on the sides the molds are filled with material from which the articles are to be molded and this is leveled off and then the strips are placed in position to receive the new platform.

I have shown the molds as being on a truck 6, and the sides of the platforms as being formed of channel iron 7, though it will, of course, be understood that the platform may be placed on any suitable support and the sides of the platforms formed in any other suitable manner.

The angle plate is held in position by its own weight and the weight of the molded article during the casting and curing process and the dividing strips are also kept in place by the weight of the plates, and articles.

By placing the strips between the layers a space is left for circulation of air.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

I claim as my invention:—

1. A brick mold of the character described comprising a supporting tray with upstanding portions along its edges, plates having upstanding ends and so placed on the supporting tray that the upstanding portions of the tray will provide sides for the plates and a strip placed between rows of these plates for the purpose herein described.

2. A brick mold of the character described comprising a supporting tray with upstanding portions along its edges, plates having upstanding ends and so placed on the supporting tray that the upstanding portions of the tray will provide sides for the plates, a strip provided between rows of these plates for the purpose herein described, rods placed on the supporting trays to space same when piled up and a frame on wheels for the purpose herein described.

In testimony whereof I affix my signature

RICHARD ROIDERER