No. 790,044. PATENTED MAY 16, 1905.

H. B. FISHER.

BRICK MACHINE.

APPLICATION FILED AUG. 2, 1904.

Fig. 1.

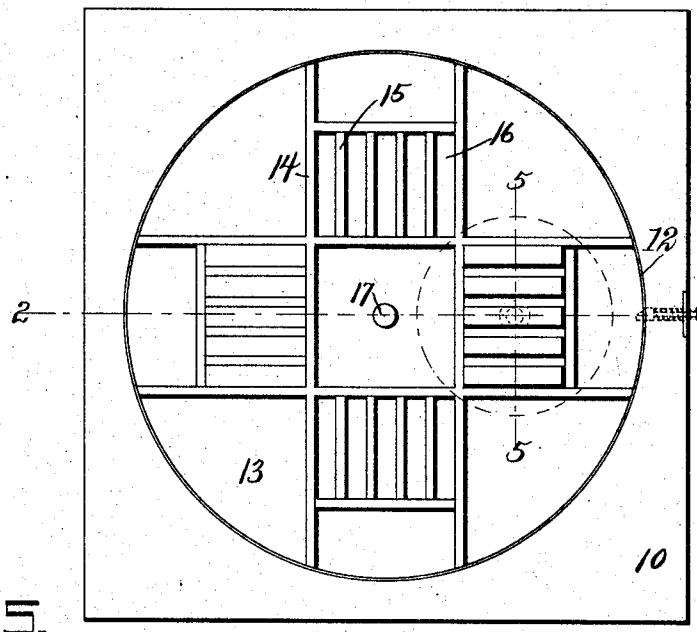


Fig. 5.

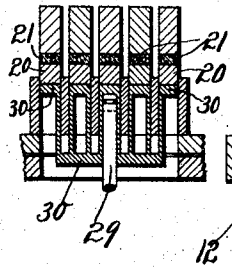
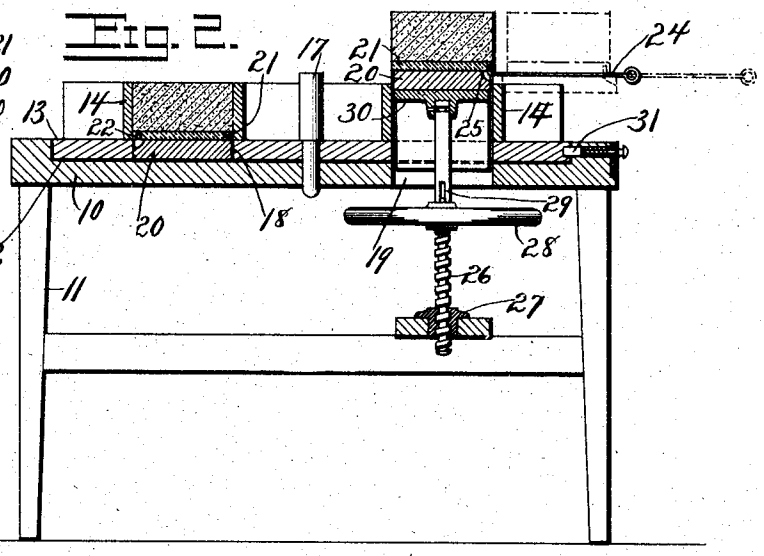


Fig. 2.



WITNESSES:

L. Almquist.

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Fig. 3.

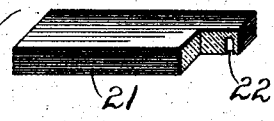
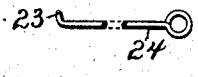


Fig. 4.



INVENTOR

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ATTORNEYS

No. 790,044. Patented May 16, 1905.

UNITED STATES PATENT OFFICE.

HUNTON BEMBRY FISHER, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF THIRTY-FIVE ONE-HUNDREDTHS TO FREDERICK W. SWEET, OF NEW ORLEANS, LOUISIANA.

BRICK-MACHINE.

SPECIFICATION forming part of Letters Patent No. 790,044, dated May 16, 1905.

Application filed August 2, 1904. Serial No. 219,183.

To all whom it may concern:

Be it known that I, HUNTON BEMBRY FISHER, a citizen of the United States, and a resident of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and Improved Brick-Machine, of which the following is a full, clear, and exact description.

This invention relates to improvements in machines for forming brick of concrete, the object being to provide, in connection with a mold, a simple means for giving a polished or smooth surface to the face of the brick.

Another object is to provide a novel means for removing the formed wet brick from the mold without danger of breaking or defacing the brick.

I will describe a brick-machine embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a brick-machine embodying my invention. Fig. 2 is a section on the line 2 2 of Fig. 1. Fig. 3 is a perspective view, partly in section, of one of the polishing or finishing plates employed. Fig. 4 shows an extractor employed, and Fig. 5 is a section on the line 5 5 of Fig. 1.

Referring to the drawings, 10 designates a table supported on suitable legs 11 and having, as here shown, in its top a recess 12, having a circular peripheral wall, and arranged to rotate in the recess is a mold-board 13. Carried on the mold-board are mold-casings 14, each divided by vertical partitions 15 into a plurality of mold-sections 16, in which the bricks are to be formed. The board 13 rotates around a central pin 17, passing through an opening in the said board and also into an opening in the table 10. The board 13 is provided with openings 18 in line with the casings 14, and the table 10 is provided at one point with an opening 19, through which the plunger operates, as will be hereinafter described.

Arranged in each mold-section 16 and forming the bottom thereof is a block 20, consisting of wood or other suitable material, and placed on each block 20 is a plate 21, designed to form a finish on the face of the brick. This plate consists of suitable smooth material—such, for instance, as metal—but preferably of glass, as indicated. Each finishing-plate has near one edge a perforation 22, designed to receive the hook end 23 of an extracting-rod 24. Each block 20, it will be noted, is provided with a notch 25 for convenience in inserting the hook end 23 of the rod.

Operating vertically underneath the opening 19 is a screw-shaft 26, this screw-shaft engaging in a fixed nut 27, and it is provided with a hand-wheel 28. Extended upward from the screw-shaft 26 is a rod 29, which is attached to a plunger 30, having a series of upward extensions designed to pass into the mold-sections 16. The rotary part 13 is held as adjusted—that is, with a series of mold-sections over the opening 19 when bricks are to be ejected—by means of a spring-pressed locking-bolt 31, which operates in an opening formed in the table-top 10 and is designed to engage in a notch formed in the periphery of the mold-board 13.

In the operation the concrete for forming the bricks is to be placed in the mold-sections, of course the finishing-plates being first placed therein. Then after filling the several mold-sections the mold-board 13 is to be rotated to bring the mold-sections or the casings for the same over the opening 19. Then by operating the plunger 30 the blocks 20, the plates 21, and the formed bricks will be forced upward, as indicated in Fig. 2. Then the formed bricks may be slid off the blocks 20 by engaging the hook end 23 of the extractor-rod in the opening 22. The bricks, with the plates of course, will be slid onto a suitable board and carried to a place for setting or drying. After becoming hard the bricks may be removed from the finishing-plates, and a very smooth polished surface will be formed on the face of the brick.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a brick-machine, a mold, a finishing-plate

removably placed in the mold and movable vertically in said mold, the said finishing-plate having a perforation for receiving an extracting-tool, and a block on which said plate is placed said block having a notch in line with the perforation in the plate.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HUNTON BEMBRY FISHER.

Witnesses:
FERNANDO ESTOPINOL,
A. J. CAHILL.