

No. 777,620.

PATENTED DEC. 13, 1904.

J. E. FOX.
BRICK MOLD WASHING MACHINE.
APPLICATION FILED SEPT. 24, 1903.

NO MODEL.

Fig. 2.

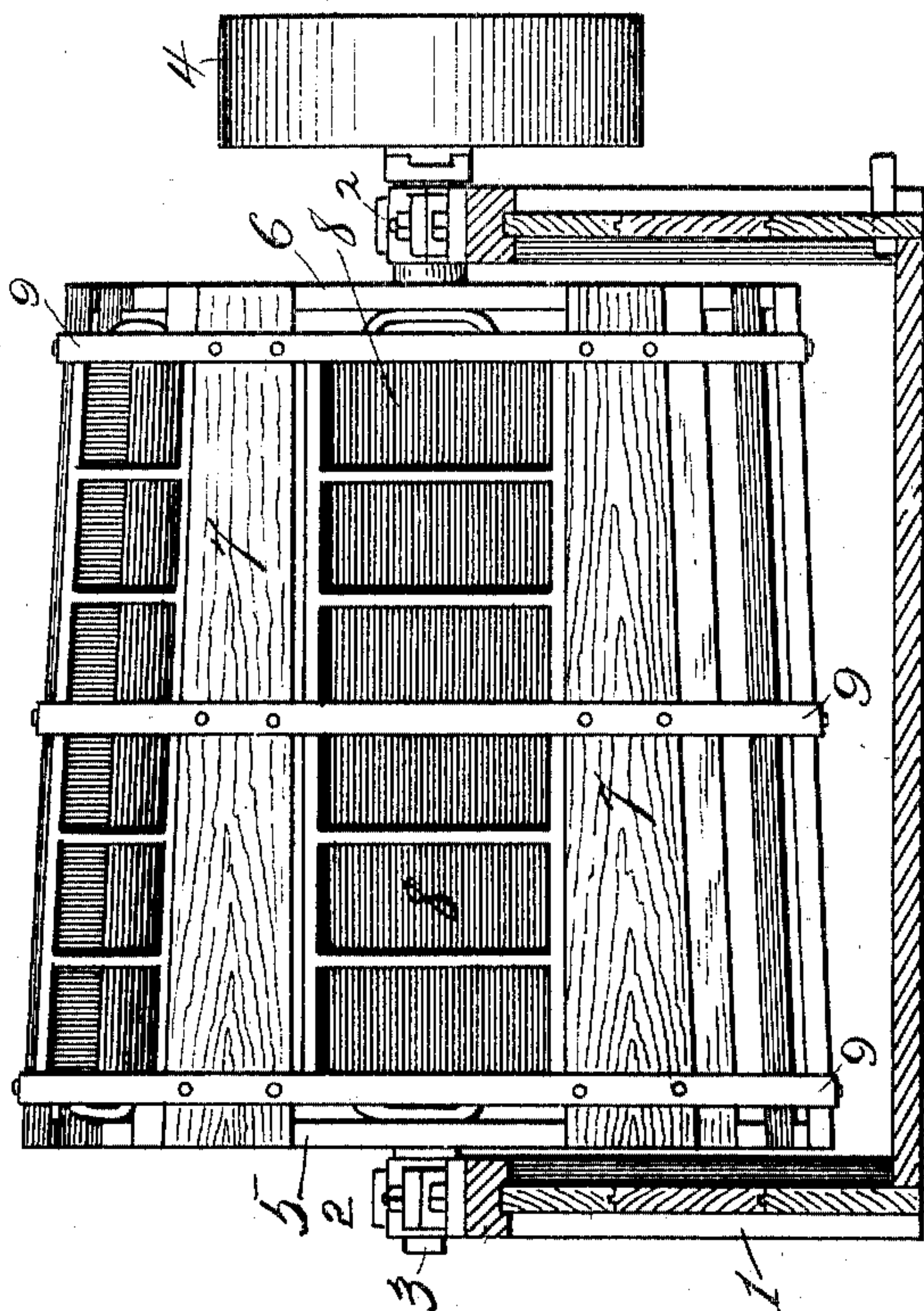
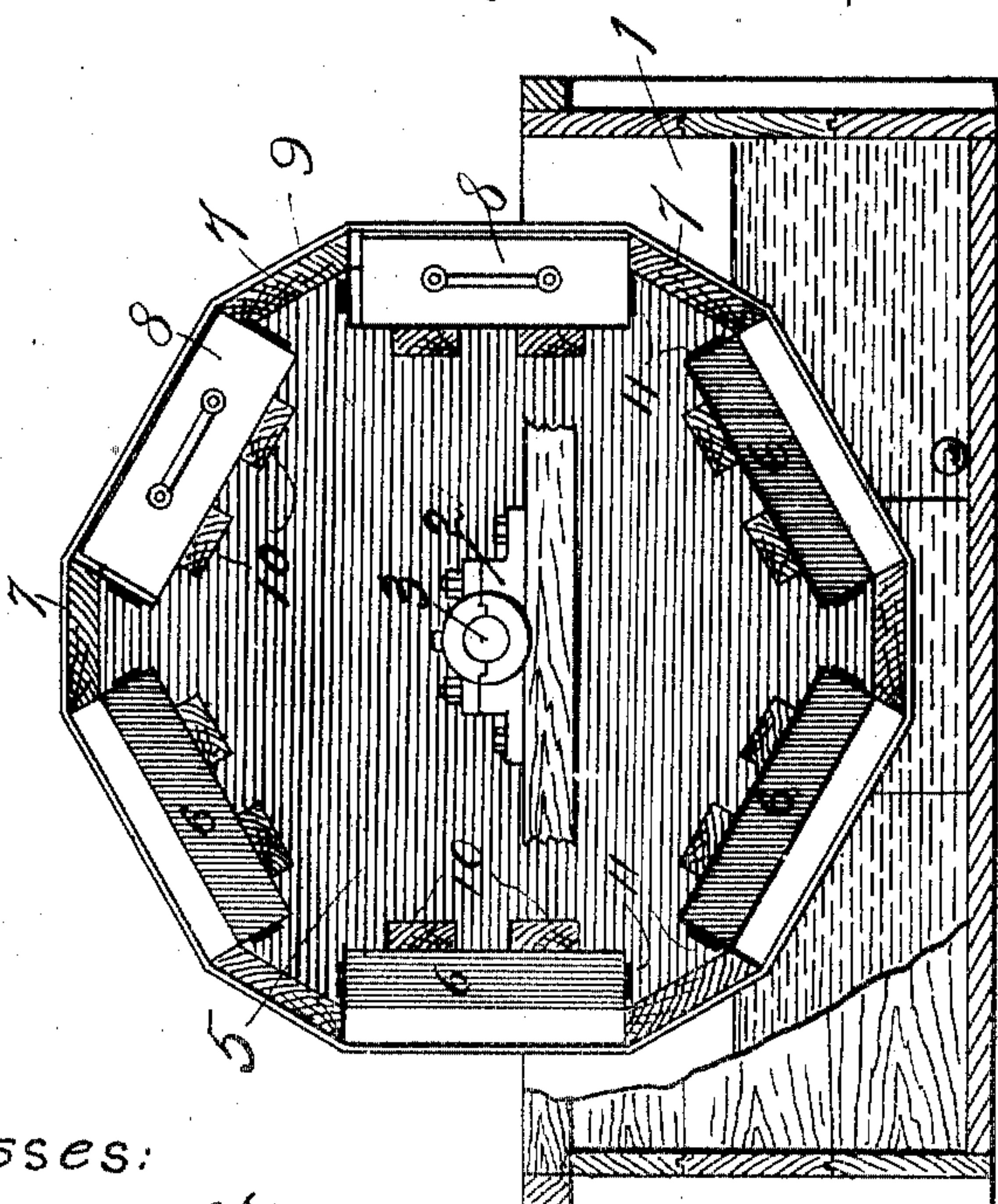


Fig. 1.



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES E. FOX, OF TOLEDO, OHIO, ASSIGNOR TO COLLINGWOOD BRICK COMPANY, OF TOLEDO, OHIO.

BRICK-MOLD-WASHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 777,620, dated December 13, 1904.

Application filed September 24, 1903. Serial No. 174,429. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. FOX, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Brick-Mold-Washing Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to a machine for washing brick-molds, and has for its object to provide a device into which the molds may be readily inserted and from which they may be quickly and easily removed and which will thoroughly wash and cleanse the interior surfaces of the molds. I attain these objects by means of the devices and arrangement of parts hereinafter described and shown, and illustrated in the accompanying drawings, in which—

Figure 1 is an end elevation of my machine with a portion of the end of the box or tank broken away to disclose the end of the revolving mold-holder hereinafter referred to, and Fig. 2 a side elevation of the same with the side of the box or tank removed.

Like numerals of reference indicate like parts in both views.

In the drawings, 1 is a water-tight box upon the top of the ends of which is journaled, as at 2, a shaft 3. The shaft 3 is provided with a pulley 4 or equivalent suitable means for revolving the shaft. Upon the shaft 3, between its bearings, is secured a box polygonal in cross-section, one of the heads or ends, 5, being of greater diameter than the other head or end, 6. The two heads are connected by strips 7, the opposite ends of which are secured to the margins of the heads at equidistant circumferential intervals. Between the strips 7 are recesses or pockets for the reception of the brick-molds. In the head 5 are openings lead-

ing into these pockets and of such size as to readily admit the introduction of a mold endwise. In Fig. 1 two molds are shown in place, the remaining pockets or recesses being vacant. In Fig. 2 these two brick-molds are disclosed in place, with their matrices turned outwardly and exposed. The longitudinal strips 7 are given rigidity and security by encircling straps or bands of iron 9. The interior supports for the molds may consist of longitudinal strips 10, let into or otherwise secured at their opposite ends to the two heads 5 6 and adapted to engage the bottoms of the molds, and light bars of iron 11, which at their ends are secured to the heads and which engage the sides of the molds when in place.

The parts here described thus assembled form an open frame journaled upon a box or tank. When the tank is partly filled with water and when the molds to be washed are placed in the pockets or recesses of the mold-holder, the frame is slowly revolved and the molds are successively immersed and rinsed over and over until the adhering clay is removed. By means of the tapering form of the frame the molds by their own weight press inwardly and downwardly when they are above the box, thus preventing the molds from moving endwise and coming in contact with the end of the box.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

A machine of the described class comprising a tank, an open frame journaled upon the tank, said frame tapering toward one end, receptacles in the frame for molds, said receptacles having openings at the larger end of the frame for the introduction of the molds, and means for revolving said frame.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES E. FOX.

Witnesses:

CHAS. E. CHITTENDEN,
S. A. DORLAND.