B. F. HEWES.

Machine for Sanding Brick-Molds.

No. 198,385. Patented Dec. 18, 1877.

Fig: 1.

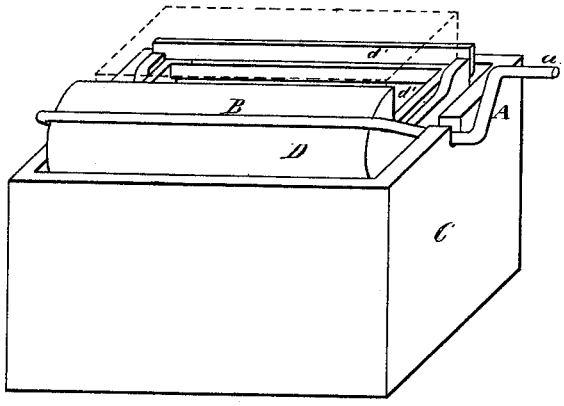


Fig: 2

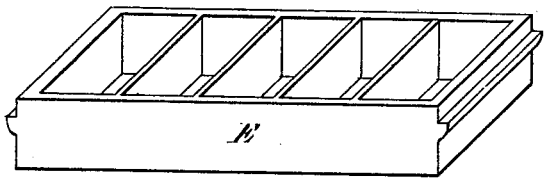
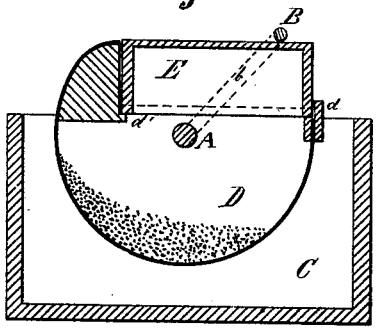


Fig: 3.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN F. HEWES, OF CRETE, ILLINOIS.

IMPROVEMENT IN MACHINES FOR SANDING BRICK-MOLDS.

Specification forming part of Letters Patent No. **198,385**, dated December 18, 1877; application filed July 5, 1877.

To all whom it may concern:

Be it known that I, BENJAMIN F. HEWES, of Crete, in the county of Will and State of Illinois, have invented a new and Improved Machine for Sanding Brick-Molds, of which the following is a full and exact description, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of the machine. Fig. 2 is a similar view of the brick-mold, and Fig. 3 is a cross-section of the machine with the brick-mold attached.

The nature of my invention relates to a machine by which the inward surfaces of the brick-molds are coated with a thin layer of dry sand, for the purpose of preventing the adherence of the clay to the mold; and it consists of a semi-cylindrical box pivoted upon a crank-shaft, having a parallel bar secured to its ends by two radial arms, which act as a carrier for rotating the box, and for holding the brick-mold, placed upon an oblong opening in said semi-cylindrical box. Sand being filled in said revolving box will, by its rotation, come into contact with the inward damp faces of the mold, to which part of it will adhere.

A is a shaft, having a hand-crank, *a*, at one end, and two radial arms, *b*, secured upon it near to its journals, which carry a parallel bar, B. This shaft A is supported in suitable bearings in a box-frame, C, and carries a semi-cylindrical barrel, D, which is loosely pivoted upon said shaft, and which has an oblong square opening parallel with and eccentrically to the said shaft, having socket-shoulders *d* and *d'*, into which the brick-mold E is placed.

The barrel D being filled with sand, and being in position so that its oblong opening is on top, the bar B is swung back so as to clear said opening, when a brick-mold, E, is placed upon said opening. Now, by turning the crank forward, the bar B will swing upon said mold, holding the same tight to the shoulder in the barrel, while at the same time the bar B will act like a carrier in transmitting the rotating motion from the shaft to the barrel. One revolution being sufficient for each set of molds, the same operation is repeated with the next set.

The advantages of my machine lie principally in its simplicity, cheapness of construction, and the ease with which it can be operated.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a machine for sanding brick-molds, the combination, with the revolving barrel D, of the crank-shaft A and the parallel bar B, secured to said shaft, whereby the brick-mold is held in position and the barrel revolved by the said bar, substantially as described and shown.

2. In a machine for sanding brick-molds, the combination, with the frame C, of the barrel D, shaped as shown, and having a single opening in its top, the shoulders *d d'* in said opening, the crank-shaft A, and bar B, all constructed and arranged to operate substantially as set forth.

BENJAMIN F. HEWES.

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