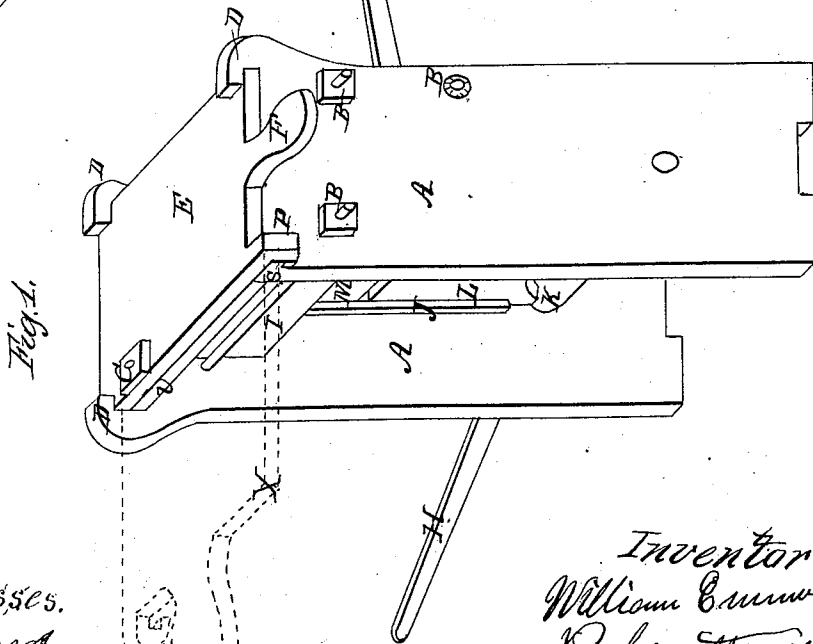
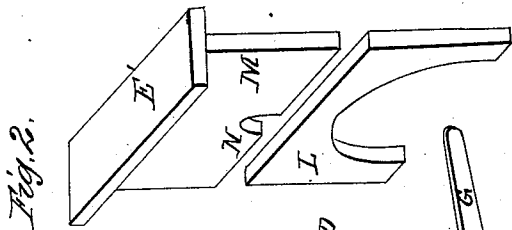
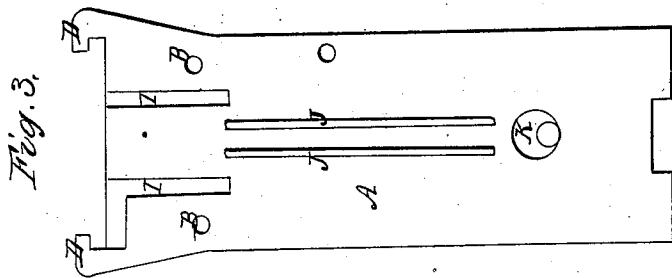


W. Emmons,

Brick Machine,

No 76,726,

Patented Apr. 14, 1868.



Witnesses.
A. Hayward,
Jas. Bennett

Inventor
William Emmons
By his attorney
G. S. Chapin

United States Patent Office.

WILLIAM EMMONS, OF SANDWICH, ILLINOIS.

Letters Patent No. 76,726, dated April 14, 1868.

IMPROVED CONCRETE-BRICK MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM EMMONS, of Sandwich, in the county of De Kalb, in the State of Illinois, have invented a new and useful Improvement in Concrete-Brick Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is an isometrical representation of my invention.

Figure 2, an isometrical representation of the die and stem, removed from the other parts of the press to to give a clear idea of their construction.

Figure 3, a sectional elevation of the press, taken parallel with the sides A A.

The nature of my invention consists in a novel arrangement of the lid of press, together with fastenings, whereby the surplus concrete, projecting over the mould, may be cut off by the simple act of closing the lid.

In order that others skilled in the art may make and use my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

A A represent the sides of the machine, which should be made of iron, and to form the ends of the mould I I, fig. 3, in the usual manner, and should have the lugs D D D S cast solid to them, or otherwise rigidly attached in the most substantial manner for the purpose of sustaining such force as is necessary to press a brick. A lid, E, is made to swing on a bolt, C, fig. 1, and with a lug, P, for catching over the lug S, and thus hold the corner of the lid down on the mould I. The other corners of the lid, being fitted to pass under the lugs D, are firmly held in place during the time a brick is being pressed. That part of the stem shown at M should be cast solid to the die E', and with one or more notches, N, for the end of the lever G to fit in, and raise the mould for throwing a brick out after it has been pressed. The lower part, L, of the two-part shank, is made to rest on a common cam-roller, K, figs. 1 and 3, and to strike against the part M when said roller and a lever, G, are used to press a brick, there being two guides, J J, projecting outward from the inner sides of the frame A A for the purpose of keeping the stem in position.

Operation.

The lid E should be swung around, as seen by the dotted lines X, after which the mould I I can be filled with concrete, and the surplus cut off by shutting the lid. The brick is pressed by operating the lever II in the usual manner. When the brick is to be removed from the mould, the lid can be swung open, and the brick thrown out by the lever G.

It will be seen from this latter description that the lower part, L, of the shank, is not raised when the brick is removed, but remains stationary on the cam K, whereby less power is required to raise the pressed brick.

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

The lid E, arranged with a lug, P, and to swing on a bolt, C, in combination with lugs D D D S, and mould I I, as and for the purpose set forth.

WILLIAM EMMONS.

Witnesses:

G. L. CHAPIN,

A. HAYWARD.