(No Model.)

A. O. MORGAN & R. H. BAIRD.

DEVICE FOR MARKING BRICKS.

No. 402,962. Patented May 7, 1889.

Fig. 1.

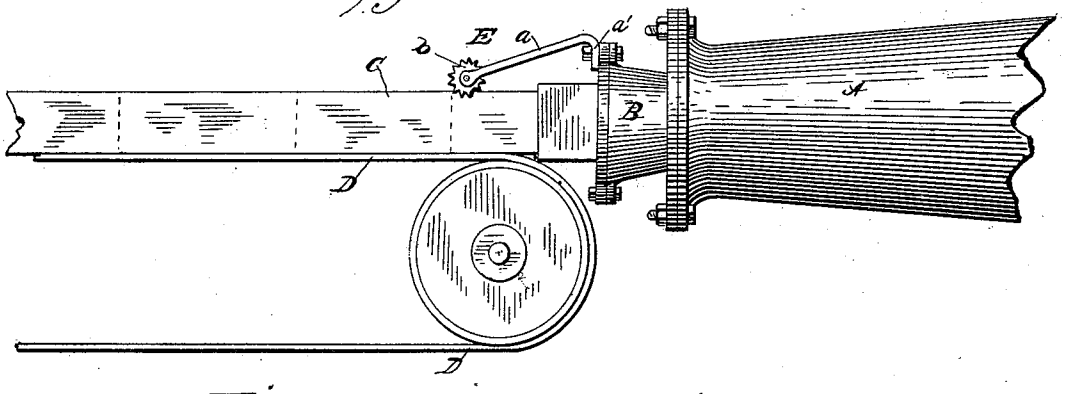


Fig. 2.

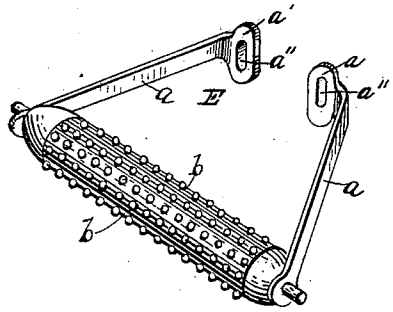


Fig. 3.

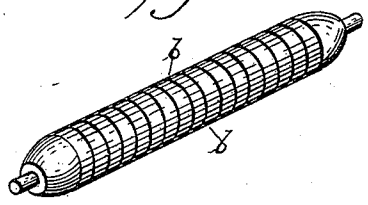


Fig 4.

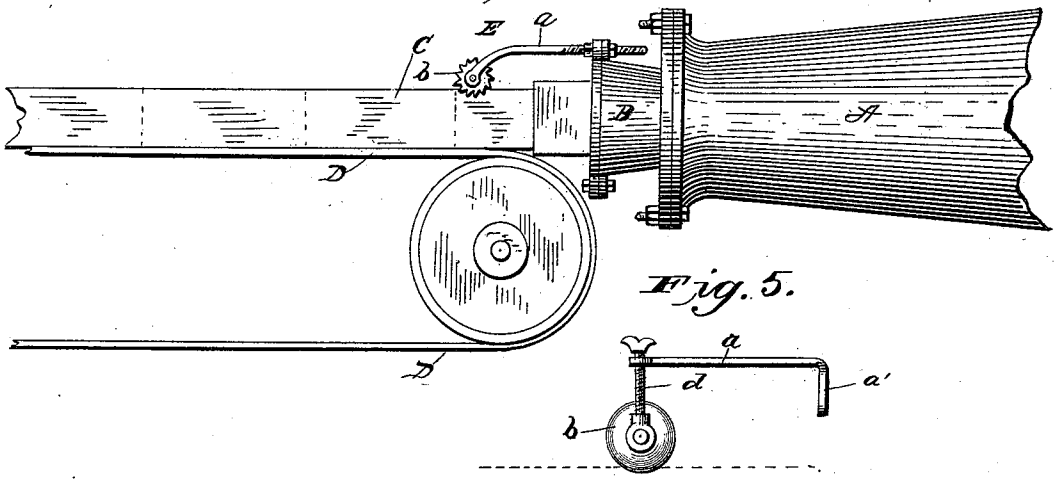


Fig. 5.

WITNESSES.

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UNITED STATES PATENT OFFICE.

ALVAH O. MORGAN AND ROBERT H. BAIRD, OF BURLINGAME, KANSAS.

DEVICE FOR MARKING BRICKS.

SPECIFICATION forming part of Letters Patent No. 402,962, dated May 7, 1889.

Application filed October 1, 1888. Serial No. 286,827. (No model.)

To all whom it may concern:

Be it known that we, ALVAH O. MORGAN and ROBERT H. BAIRD, citizens of the United States, residing at Burlingame, in the county of Osage and State of Kansas, have invented certain new and useful Improvements in Devices for Ornamenting and Marking Bricks, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 represents a side elevation of a portion of a brick or tile machine provided with our attachment; Fig. 2, a perspective view of the attachment; Fig. 3, a similar view of the ornamenting or impression roller; Fig. 4, a view similar to Fig. 1, showing another form of the attachment; and Fig. 5, a detail view of the attachment, showing method of adjusting the roller.

The object of this invention is to provide a brick or tile machine of that class wherein the bricks are produced by forcing the soft clay by means of a plunger or screw through a suitable former, with an extremely simple attachment whereby an ornamental design or mark of any description may be impressed in the soft bricks as they emerge from the former of the machine, as will be fully hereinafter described.

Referring to the annexed drawings by letter, A designates the pulverizing and mixing chamber of an ordinary brick-machine; B, a former through which the soft brick material is forced; C, the uncut bricks emerging from the former B; D, the usual endless belt for conveying them away from the former as they emerge, and E our attachment, which will now be described.

The letters *a a* designate two metallic arms provided at their rear ends with lugs or ears *a' a'*, these ears having vertical slots *a'' a''* formed through them for the passage of the securing-bolts. These arms are preferably bolted to the face of the former B by means of the same bolts that secure the former to the head of the mixing-chamber, as shown in Fig. 1. Journaled in eyes in the forward ends of the arms is an impression-roller, *b*, which is provided on its surface with the raised ornamental figures, letters, or designs of any character that it is desired to impress in the surface of the bricks. It is evident that the designs and letters on this roller may be infinitely varied as the exigencies of the case may require without departing from the spirit of the invention.

The object in slotting the ears *a' a'* on the arms is to permit the roller to be suitably adjusted with respect to the surface of the bricks, whereby the designs on the roller may be impressed into the brick to the proper depth.

In case it is desired to impress the designs in the sides or edges of the bricks it is obvious that this may be done by simply attaching the arms to the side of the former, so that the impression-roller may be arranged to bear upon the edges of the brick.

In the modification shown in Fig. 4 the arms *a* are screw-threaded at their rear ends and provided with clamping-nuts and made to serve to assist in attaching the former B to the mixing-chamber of the machine. It is evident that with this form of device the roller may be readily adjusted back and forth, as desired.

In Fig. 5 another method is shown, by which the roller may be adjusted to and from the surface of the bricks to regulate the depth of the impression. In this form set-screws *d* are tapped into the ends of the stationary arms *a* and swivelly connected to the ends of the roller-shaft. By adjusting the set-screws the depth of impression may be regulated.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of a former of a brick-machine, a conveyer arranged beneath the said former, a pair of arms, *a a*, bolted to the face of the former, these arms being provided with vertically-slotted ears for the passage of the securing-bolts, and an impression-roller journaled in the forward ends of the said rigid arms, as and for the purpose herein set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

ALVAH O. MORGAN.
R. H. BAIRD.

Witnesses:
W. G. JAMIESON,
E. G. BREWER.