S. FOLWELL.
Brick-Mold.

No. 198,096. Patented Dec. 11, 1877.

Fig. 1.

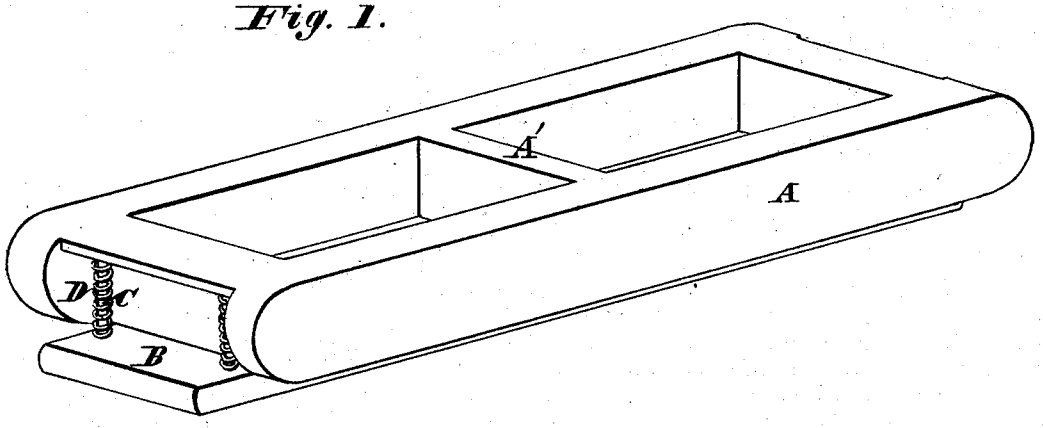


Fig. 2.

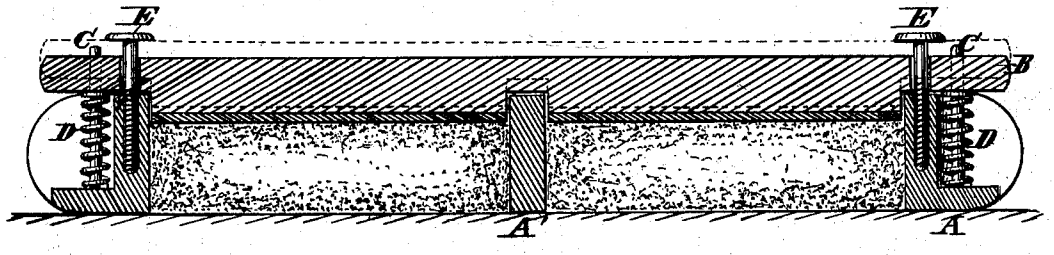
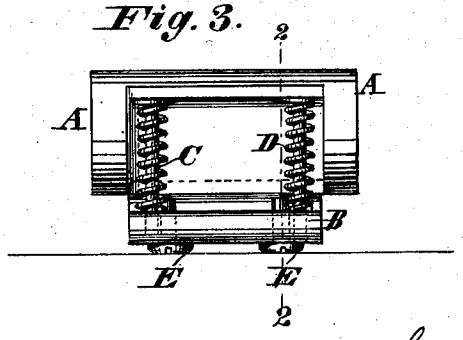


Fig. 3.



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SAMUEL FOLWELL, OF MEMPHIS, TENNESSEE.

IMPROVEMENT IN BRICK-MOLDS.

Specification forming part of Letters Patent No. **198,096**, dated December 11, 1877; application filed May 31, 1877.

To all whom it may concern:

Be it known that I, SAMUEL FOLWELL, of Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Brick-Molds, of which the following is a specification:

In this invention, the bottom of the mold has a vertical movement on suitable guides, and is pressed outward from the body of the mold by spiral springs surrounding said guides. The play of the bottom is limited by temper-screws.

The object of the invention is to insure a proper shape to the brick, and render it easily detachable from the mold.

In the accompanying drawing, Figure 1 is a perspective view of my improved mold. Fig. 2 is a vertical section on the line 2 2, Fig. 3; and Fig. 3 is an end view of the mold.

A may represent the body of the mold, divided by the partition A′ into two parts. B is the movable bottom, having a vertical play on the guides. C D are spiral springs, coiled around the guides, as shown, and serving to force the bottom from the body of the mold. E are temper-screws, passing through the bottom, and engaging in the body of the mold. By the proper adjustment of the screws the play of the movable bottom is regulated as desired.

The clay is molded in the usual way, as when bottomless or solid-bottom molds are used. Then the off-bearer takes the mold, and, by inverting it and applying pressure at each end, closes the bottom down to the partition, to insure square edges and corners to the brick and even its surface. The pressure is now removed, and the spiral springs, aided, if necessary, by an upward pressure by the operator's fingers, force the bottom of the mold away from the brick, as shown in dotted lines, Fig. 2, thus allowing a circulation of air between them. This leaves the brick in a condition to be easily detached from the mold, as it has only the friction on the sides and ends to overcome.

I am aware that brick-molds have heretofore been made with movable bottoms. This, therefore, I do not broadly claim; but

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

1. The combination of the movable bottom B, guides C, and spiral springs D, all arranged and operating as herein set forth, for the purpose specified.

2. The combination, to form a brick-mold, of the body A, bottom B, guides C, springs D, and temper-screws E, all as set forth.

SAMUEL FOLWELL.

Witnesses:
A. F. SCHULZE,
W. JAMES.