

J. M. Ferrell,
Brick Mold,
Nº 57,041, *Patented Aug 7, 1866.*

Fig: 1.

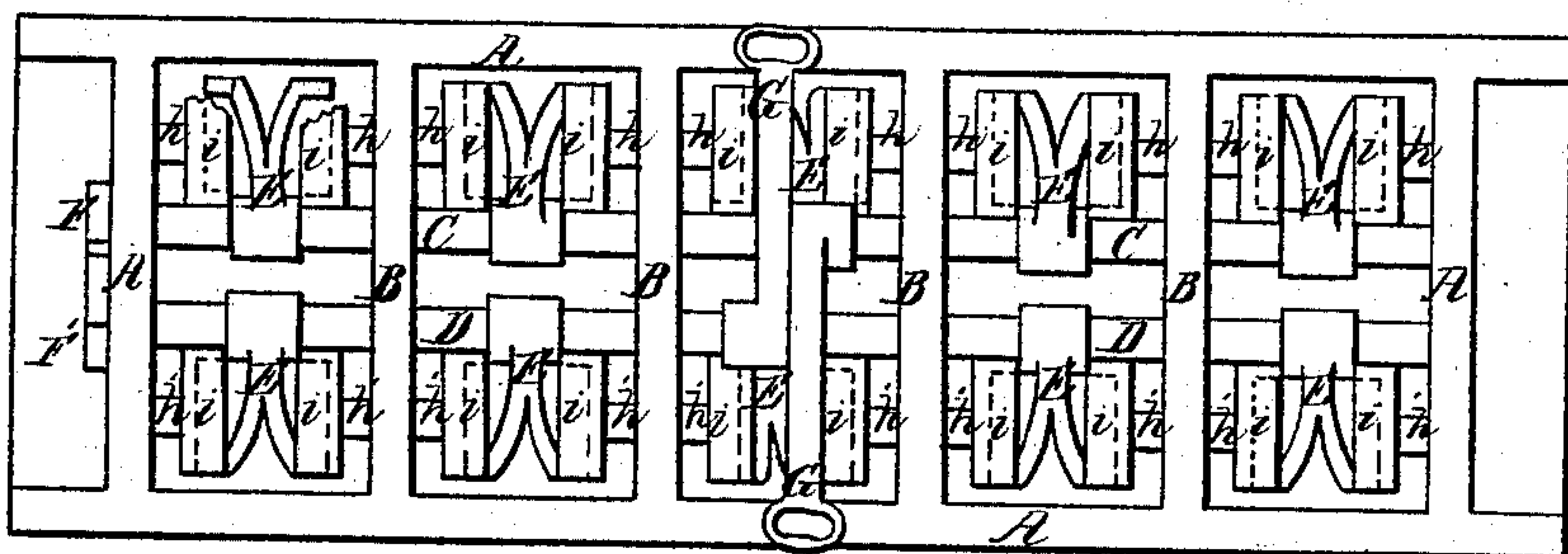


Fig: 2.

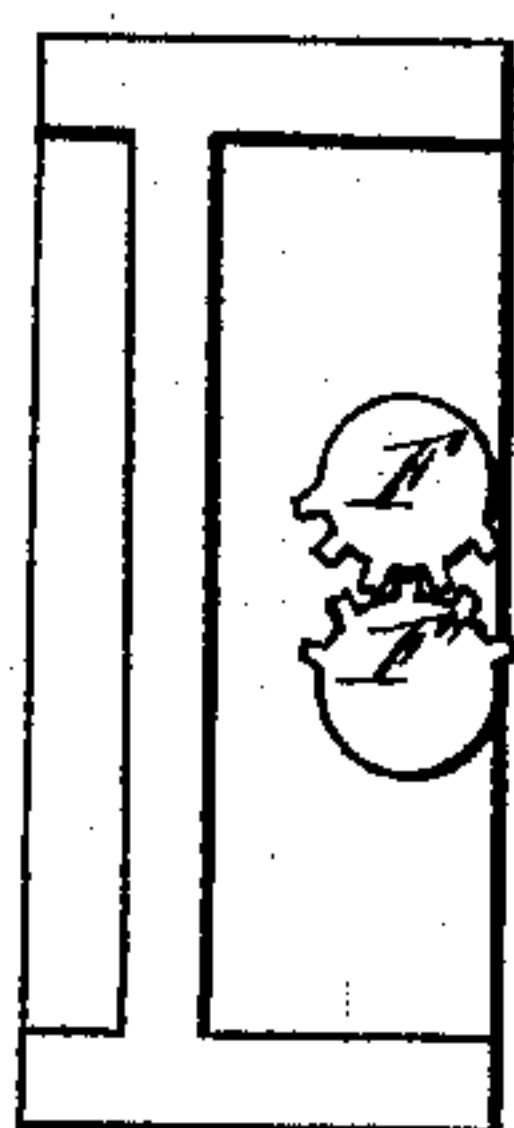


Fig: 3.

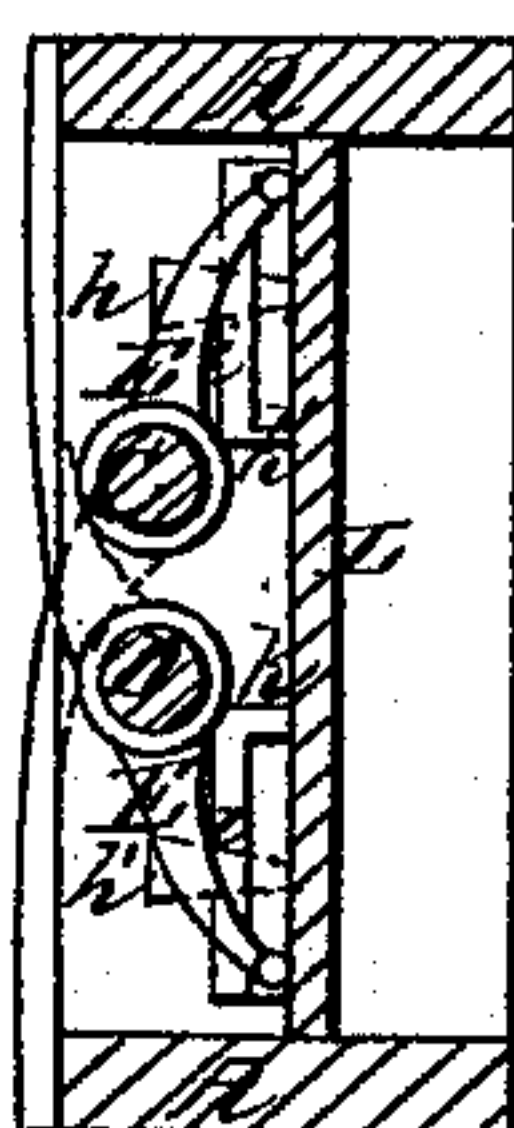
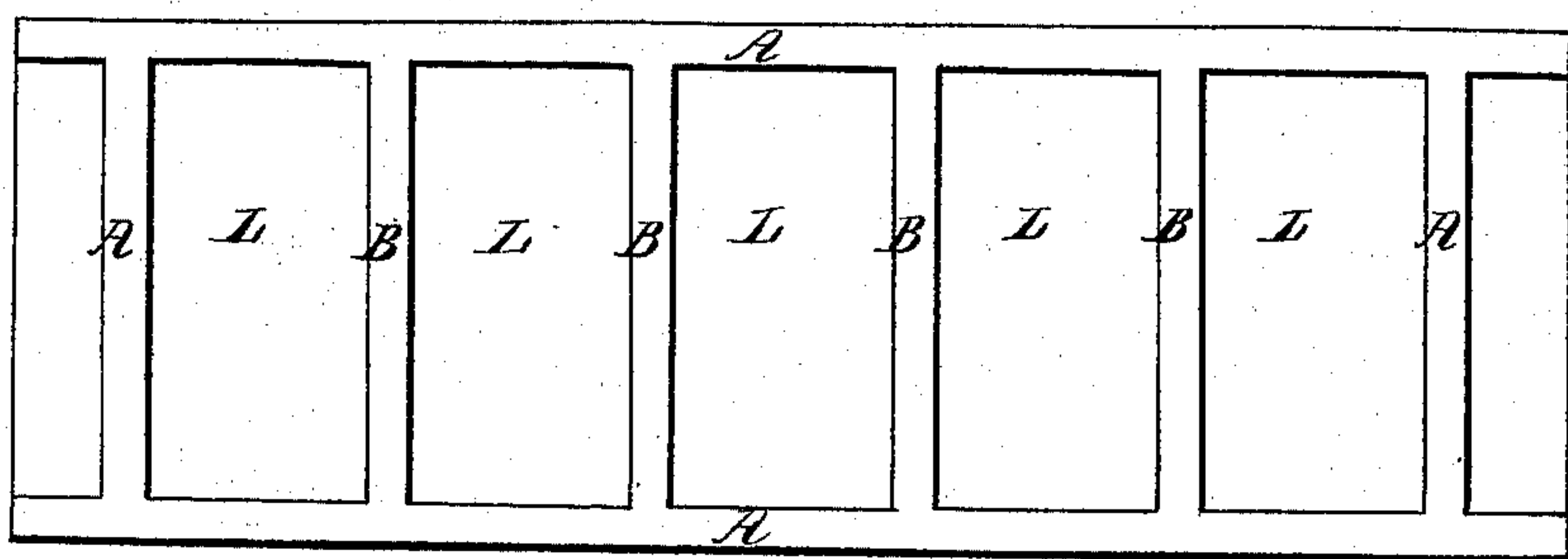


Fig: 4.



Witnesses:

J. C. Sharp.
Geo Buckley

Inventor:

James M. Ferrell

UNITED STATES PATENT OFFICE.

JAMES M. FERRELL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF, WM. H. SINER, AND CHARLES H. DEDRICK.

IMPROVED BRICK-MOLD.

Specification forming part of Letters Patent No. 57,041, dated August 7, 1866.

To all whom it may concern:

Be it known that I, JAMES M. FERRELL, of the city of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Brick-Molds; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, forming part hereof, and to the letters of reference marked thereon, in which drawings—

Figure 1 represents a bottom view, Fig. 2 an end view, Fig. 3 a cross-section, and Fig. 4 a top view, of my improved brick-mold.

My invention relates to that class of brick-molds adapted to forming three or more bricks at one operation.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and mode of operation.

In the drawings, A represents the frame of a mold for making five bricks at one time, it being divided into spaces of the size of a single brick by partitions B, which extend through the frame flush with the top and bottom thereof. C and D are two straight rods running through the partitions the length of the mold. They are provided with cams E, and have at one end gears F F'. To each rod, at the middle, a handle, G, is rigidly attached. These handles are shown closed, or in the position they hold when the mold is being filled.

When it is desired to turn the bricks out of the mold the operation is performed by taking hold of one or both of the handles G, when

the rods C and D, through the operation of the gears F F', are uniformly turned, and the cams E are caused to slide in the grooved ways *i i'*, which, being closed at their inner ends, (see *k k'*, Fig. 3,) limit the motion of the cams E, these parts being so constructed relatively that the movable bottoms L shall be thrown up by the turning of the handles, as aforesaid, flush, or a little more than flush, with the face of the frame A.

h h', Figs. 1 and 3, are wedge-shaped stops attached to the partitions B, so that the movable bottoms L shall rest on their apexes when the mold is being filled. From their having this angular shape any clay that may accidentally collect about the under side of the bottoms L will not prevent the bottoms, when the molds are ready to be refilled, from returning into their proper positions. I thus secure uniformity in the thickness of the bricks.

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

1. The combination of the rods C D, gears F F', cams E, ways *i i'*, handles G, bottoms L, and frame A, in the manner and for the purpose substantially as shown and described.

2. The wedge-shaped stops *h h'*, arranged and operating in the manner and for the purpose substantially as shown and described.

JAMES M. FERRELL.

Witnesses:

WILLIAMS OGLE,
J. E. SHAW.