E. C. SINGER.

Brick-Mold.

No. 164,108. Patented June 8, 1875.

Fig. 1.

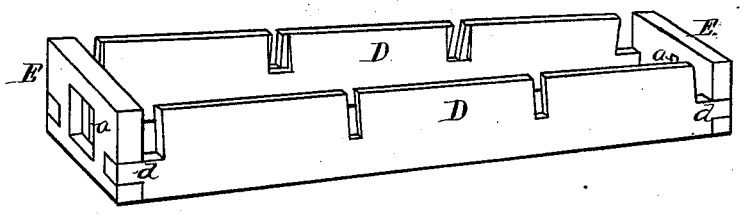


Fig. 2.

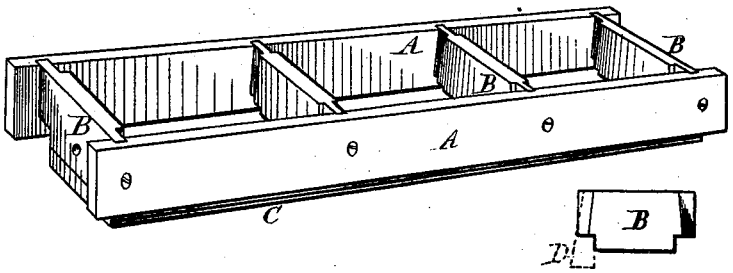


Fig. 3.

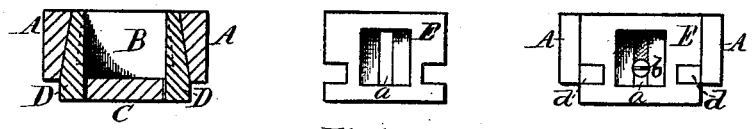
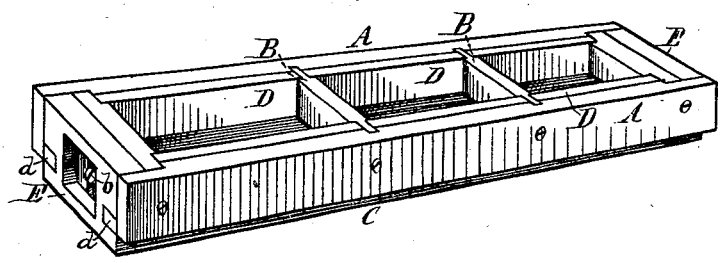


Fig. 4.



WITNESSES;

Jas. F. Duhamel.

Thomas. Byrne.

INVENTOR;

Edgar C. Singer.

Per H. S. Abbot.

Attorney.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

EDGAR C. SINGER, OF MARLIN, TEXAS.

IMPROVEMENT IN BRICK-MOLDS.

Specification forming part of Letters Patent No. **164,108**, dated June 8, 1875; application filed May 17, 1875.

To all whom it may concern:

Be it known that I, EDGAR C. SINGER, of Marlin, county of Falls and State of Texas, have invented certain new and useful Improvements in Molds for Brick, of which the following is a specification:

The nature of my invention consists in the construction and arrangement of a brick-mold with double sides, the interior sides being movable, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a plan view of my improved brick-mold. Fig. 2 is a longitudinal vertical section, and Fig. 3 a transverse vertical section, of the same.

A A represent the parallel side bars of a brick-mold, connected by means of a series of parallel transverse portions, B B, to form a series of molds in one. C is the bottom of the molds, fastened to the under edges of the partitions B B. The outer surfaces of the side bars A A are perpendicular, while the inner surfaces are inclined from the top outward to the bottom, or, in other words, the mold proper is narrower at the top than at the bottom. The bottom C of the mold does not extend the entire width of the mold to the sides A, but leaves room on each side for interior movable side pieces D D, which are inserted from underneath, and are cut out from the upper edges downward for a suitable distance to receive the partitions B B. The ends of these partitions are cut with tenons, as shown in Fig. 1, and these tenons pass into the slots in the movable sides D D, so as to form square and tight joints in the interior of the molds. The inner surfaces of the movable side pieces D D are made perpendicular, while the outer surfaces are made inclined to correspond with the inclination of the inner surfaces of the stationary sides A A of the mold. At each end of the mold one of the partitions B forms the end piece, and the sides A project beyond such end pieces a sufficient distance to receive between them a slide, E, which is movable up and down. This slide is provided with a central vertical slot, *a*, through which a screw, *b*, passes into the end piece of the mold to hold the slide thereto, but allow it to move the length of the slot. The outer side of the slide E is recessed around the slot *a* to form a convenient hold for moving the slide. The movable sides D D are at each end at the lower edge formed with a projecting square tenon, *d*, which enters a correspondingly-shaped slot in the end of the slide. The movable parts D E are moved upward to be flush with the upper edges of the main mold while the brick are being pressed therein.

By means of the slides E the sides D are drawn out a short distance, which at once releases them from the brick as they spread outward, on account of the adjoining inclined surfaces of the sides A and D. This allows the mold to be easily lifted from the brick.

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

1. A brick-mold, provided with interior movable sides, the adjoining surfaces of the stationary and movable sides being inclined so that the inner movable sides when moved will spread outward, substantially as and for the purposes herein set forth.

2. The combination, with a brick-mold, A B C, having the inner surfaces of its sides inclined as described, of the movable sides D D, having their outer surfaces inclined, and provided at their ends with projecting square tenons *d d*, and the slotted slides E E, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my invention, I hereunto affix my signature this 10th day of May, 1875.

EDGAR C. SINGER.

Witnesses:

A. M. ATTAWAY,

G. H. HOUGHTON.