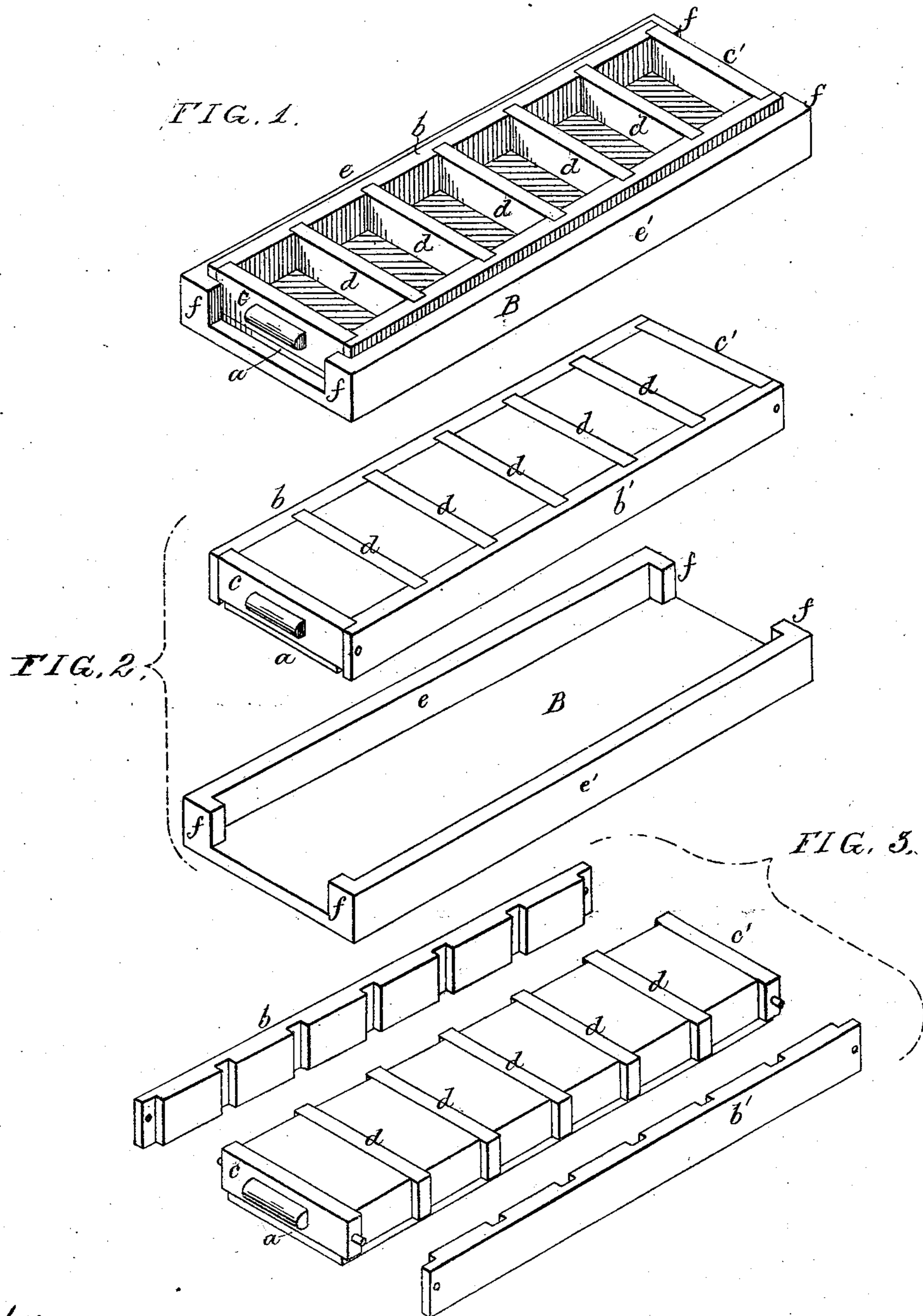


(No Model.)

G. CARNELL.  
Brick Mold.

No. 243,504.

Patented June 28, 1881.



Witnesses.  
Harry Smith  
James F. Tobin,

Inventor.  
George Carnell.  
by his Attorneys.  
Howson and Jones

# UNITED STATES PATENT OFFICE.

GEORGE CARNELL, OF PHILADELPHIA, PENNSYLVANIA.

## BRICK-MOLD.

SPECIFICATION forming part of Letters Patent No. 243,504, dated June 28, 1881.

Application filed February 9, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE CARNELL, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented an Improvement in Brick-Molds, of which the following is a specification.

My invention consists of a brick-mold made of detachable parts, in the manner substantially as described hereinafter, with the view of readily forming a series of bricks and removing them from the mold without the aid of sand, and transporting them to the drying-ground without impairing the shape and uniformity of the bricks.

In the accompanying drawings, Figure 1 is a perspective view of my improved brick-mold; Fig. 2, a view of the mold proper and of the retaining-box detached from each other; and Fig. 3, a perspective view, showing the manner of taking the mold apart.

The mold consists of the bottom plate, *a*, the side pieces, *b b'*, end pieces, *c c'*, and partitions *d d d d*, the several parts being fitted together as shown in Fig. 2, so as to form a number of cells—six in the present instance—and so as to be separable, as shown in Fig. 3.

The empty mold is first placed in the box B, which keeps the several parts of the said mold together, lateral separation of the parts of the mold being prevented by the side pieces, *e e'*, of the box, and longitudinal separation by the end pieces, *f f*. The empty mold having been adjusted into the box, the cells are filled with clay, either by hand or by any appropriate machine, after which the mold is raised from the box by handles at the opposite ends of the same and placed on the ground and the side pieces, *b b'*, detached, as shown in Fig. 3. The attendant now removes one of the end bricks

of the series with the end piece, *c*, and one of the partitions *d*, and carries the whole to the drying-floor and places the newly-molded brick on the same without touching it with his hands. He then returns to the mold and carries away another brick between two partitions, and so on until the whole of the bricks have been removed, when the several parts of the mold are fitted together and adjusted to the box B prior to the refilling of the cells with clay.

In ordinary brick-molds a plentiful supply of sand is required to insure the easy separation of the bricks from the mold, and this sand has a deteriorating effect on many kinds of bricks, having a tendency to discolor the same in baking. In using my improved mold, however, no sand is required, the detaching of the bricks from the mold being easily accomplished by the aid of the partitions and end pieces of the said mold.

I do not desire to claim, broadly, a brick-mold having a number of cells and made of a number of separable parts; but

I claim as my invention—

The combination of the brick-mold, consisting of bottom, end, and side pieces and partitions, with the box B, having side pieces, *e e'*, and end pieces, *f f*, constructed for the longitudinal and lateral retention of the mold, and for permitting the ready removal of the same from the box, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE CARNELL.

Witnesses:

JAMES F. TOBIN,  
HARRY SMITH.