

GEORGE CARNELL

BRICK MOULD

No. 121,449.

Patented Dec. 5, 1871.

Fig. 1

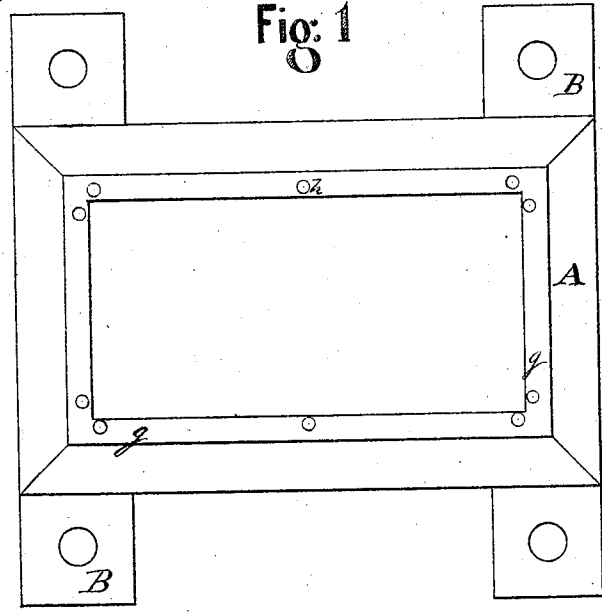


Fig. 2

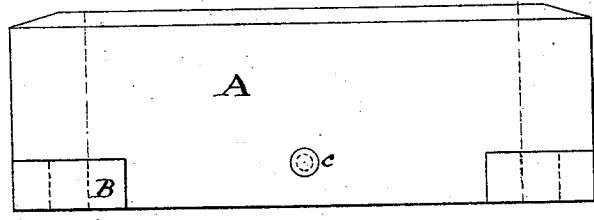
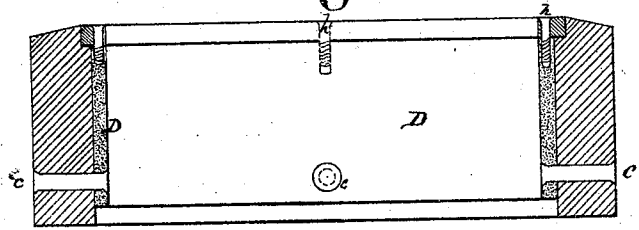


Fig. 3



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Witnesses { *Saml. Brown*
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UNITED STATES PATENT OFFICE.

GEORGE CARNELL, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BRICK-MOLDS.

Specification forming part of Letters Patent No. 121,449, dated December 5, 1871.

To all whom it may concern:

Be it known that I, GEORGE CARNELL, of the city and county of Philadelphia and State of Pennsylvania, have invented an Improved Brick-Mold, of which the following is a specification:

The nature of my invention consists in making the inner surface of the mold of a composition which will keep bright and smooth and at the same time have a sharp and durable edge.

The steel-faced molds at present employed become rusty after a few days' use, and this roughened surface injures the face of the brick as it is forced from the mold.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Figure 1 is a plan of the mold. Fig. 2 is an elevation. Fig. 3 is a section.

This mold is designed especially for fine-pressed brick. It is fastened in position upon the press by the lugs B upon the cast-iron box or frame A. Within the frame A is a composition lining, D, of hard brass, which is secured to the frame by rivets c, one at each end and one at each side.

This lining is about one-quarter inch thick and three and three-eighths deep, leaving a recess of about three-eighths at the top and bottom. In the recess at the top of the mold is fitted a steel plate, g, resting partly on the frame A and partly on the lining D, to which lining it is secured by the screws h. By thus resting the steel plate on the frame A it is able to bear the strain put upon it when the top presser-plate comes down upon the mold. By thus making the inner surface of hard brass, which wears bright and smooth, I am able to produce a pressed brick with a finer face than those usually made.

If the brass lining is made flush with the top of the mold its upper corner rapidly wears away, causing a rough edge to the brick. By the use of the steel plate g I retain a sharp edge to the mold and a smooth inner surface.

What I claim as my invention, and desire to secure by Letters Patent, is—

A brick-mold having an inside lining, D, of hard brass, faced with a steel edge, g, as herein described.

Witnesses: GEORGE CARNELL.

EDWD. BROWN,
JOHN F. GRANT.

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