

G. B. Green,

Shutter Bower.

No. 104,449.

Patented June 21, 1870.

Fig. 1.

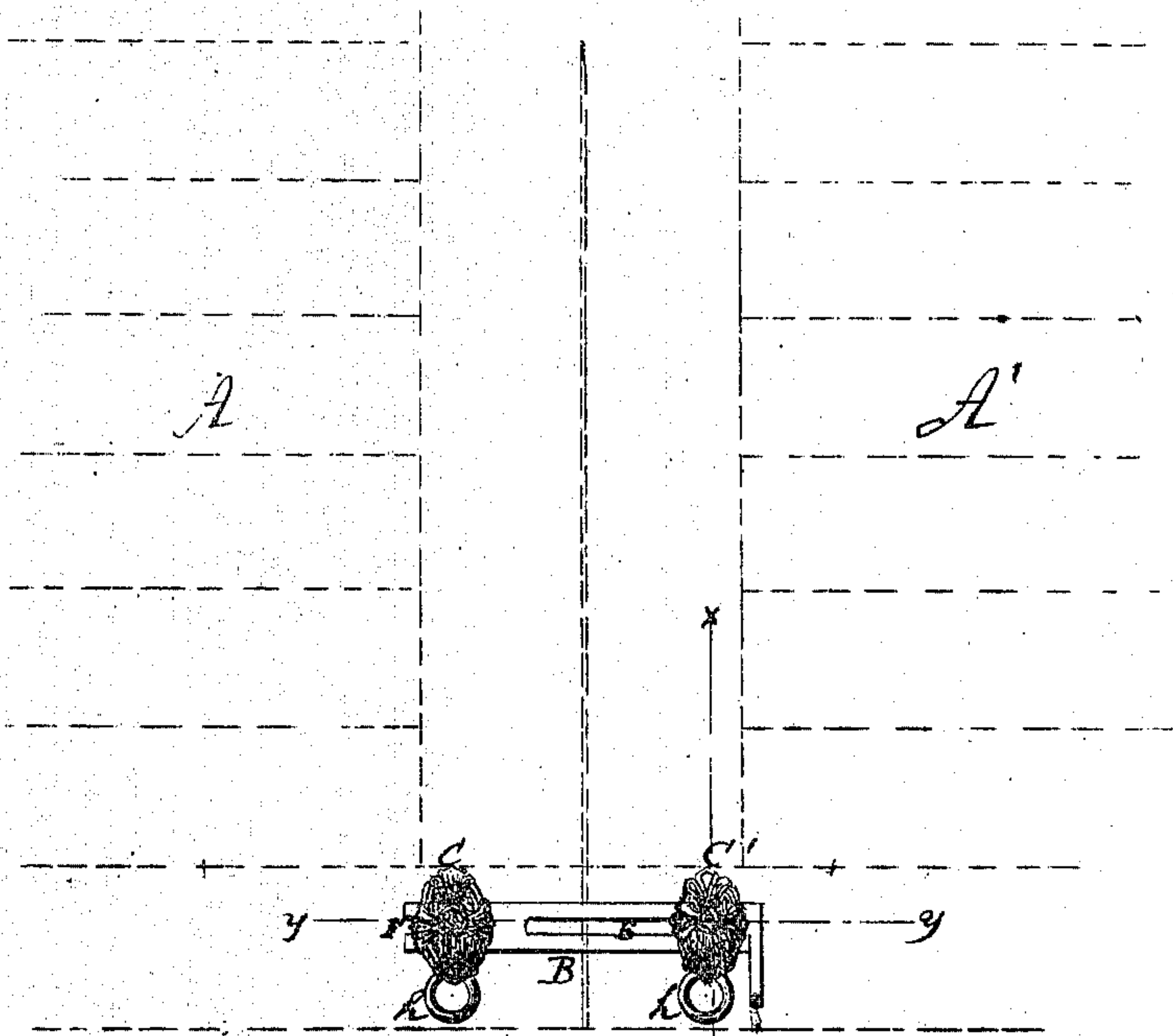


Fig. 2.

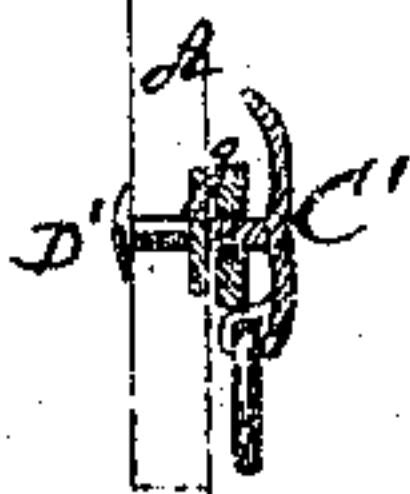
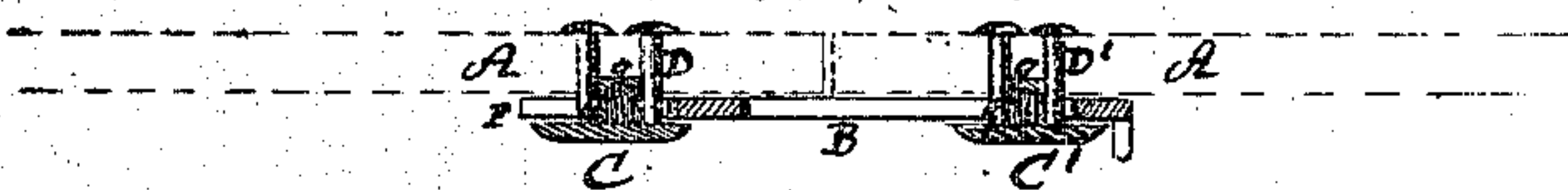


Fig. 3.



Witnesses:

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Inventor:

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PER *[Signature]*
Attorneys.

United States Patent Office.

GEORGE B. GREEN, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 104,449, dated June 21, 1870.

IMPROVEMENT IN BOLTS FOR DOORS AND SHUTTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE B. GREEN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Door and Shutter-Bolt; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The object of this invention is to provide a durable, safe, and ornamental bolt-fastening for doors and shutters, and to be employed in all situations where it may be found useful; and

It consists in the use of a slotted sliding bolt, and in plates of ornamental casting, or ornamental plates struck up or swaged, of any form or size or design, which plates are attached to the studs which pass through the doors or shutters.

In the accompanying drawing—

Figure 1 is an inside view of the fastening, showing the shutters closed and the fastening complete.

Figure 2 is a vertical section of fig. 1 through the line *x x*.

Figure 3 is a horizontal section of fig. 1 through the line *y y*.

Similar letters of reference indicate corresponding parts.

A A' represents a pair of shutters to which the bolt is applied.

B is the sliding bolt, which is shot back and forth in fastening and unfastening.

C C' represent the ornamental plates which are attached to the inner ends of the studs D D'.

E is a slot in the bolt B, by means of which the bolt is permanently connected with the shutter A'. The stud D' passes through this slot and through the shutter, where it is riveted on the outside, as seen in

the drawing. This slot E allows the bolt to be shot back and forth while it is permanently attached to the shutter. The stud D is fastened to the other shutter in the same manner, but the fastening is made by means of an open slot, F, in the end of the bolt, which slips onto the stud D, where the bolt is shot, and forms the fastening.

g g are small metallic plates between the bolt and the shutter, to prevent the bolt from wearing or marring the shutter, and to act as a head or stop for the studs in riveting.

h h are rings attached to the plates C C', for handling or closing the shutter.

By this arrangement the plates C C' are drawn tightly toward the shutter in riveting the studs, and form a handsome finish on the shutters, whether they are closed or open. The bolt plays between the plates C and the shutter.

The small friction-plates *g* are placed in a vertical position on the cores or stops connected with the plates and the studs, and while they serve as friction surfaces for the bolt, they also serve as heads for the studs in riveting to the shutter.

I am aware that a slotted bolt, a latch with a notch near the end, a stud and screw, solid or hollow, with single or double head, are none of them new when taken severally; but

What I esteem as my invention, and desire to protect by Letters Patent, is—

The combination of slotted bolt B, studs D D', and ornamental plates C C', all constructed and brought together to form the whole or device shown and described, and for the purpose specified.

GEORGE B. GREEN.

Witnesses:

JAMES J. SULLIVAN,
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