

(No Model.)

J. VON HOLLEN.
SHUTTER BOLT.

No. 315,681.

Patented Apr. 14, 1885.

Fig. 1.

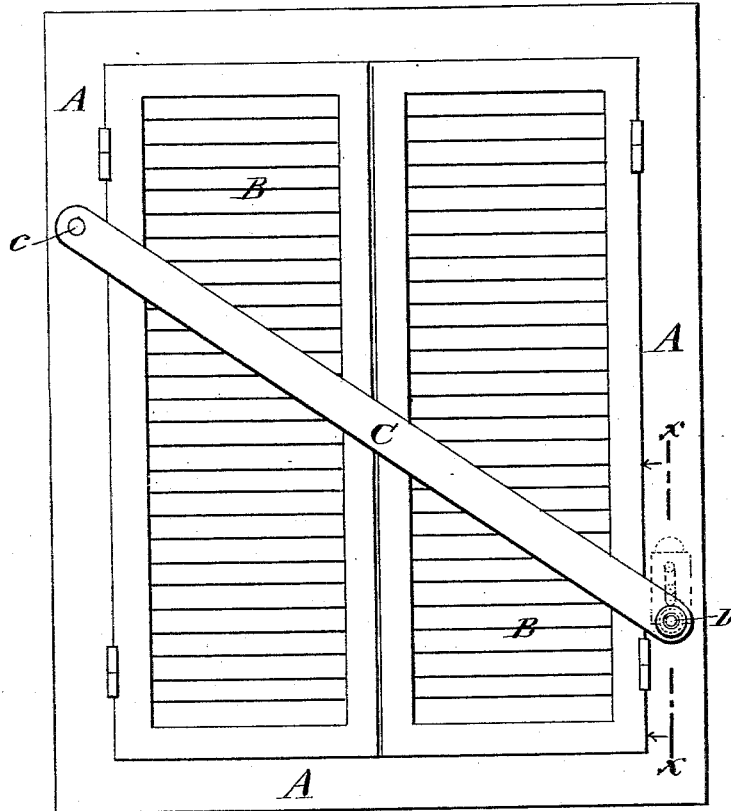


Fig. 3.

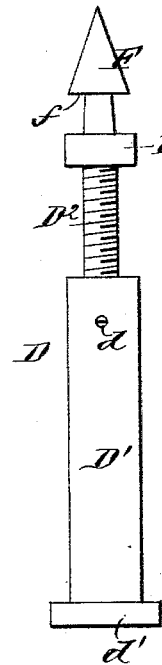


Fig. 4.

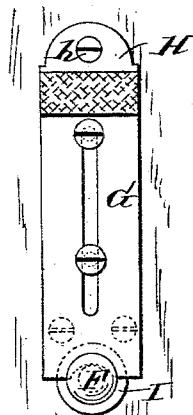
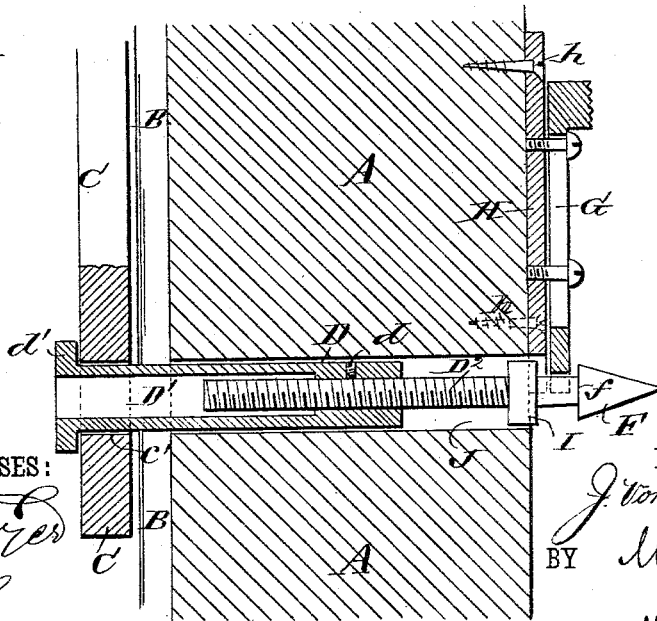


Fig. 2.



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JOHN VON HOLLEN, OF CHARLESTON, SOUTH CAROLINA.

SHUTTER-BOLT.

SPECIFICATION forming part of Letters Patent No. 315,681, dated April 14, 1885.

Application filed January 21, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN VON HOLLEN, of Charleston, in the county of Charleston and State of South Carolina, have invented a new and Improved Shutter-Bolt, of which the following is a full, clear, and exact description.

My invention relates to fastenings and bolts for securing bars over closed window shutters or blinds, and for other purposes.

The invention consists in providing a collar near the inner conically-headed end of the extensible catch of the bolt, said collar serving as a bearing for the inner end of the bolt in the hole made in the window-frame or wall or other object to receive the bolt-catch.

The invention consists also in particular constructions and combinations of parts of the shutter bolt and fastenings, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a view of a pair of shutters hung to a window and secured by an outside bar fastened at one end by my improved shutter-bolt. Fig. 2 is an enlarged vertical sectional elevation through the window frame or casing, the shutter-bar, and the bolt, and taken on the line *x x*, Fig. 1. Fig. 3 is a side elevation of the extensible catch of the bolt, and Fig. 4 is a front view of the latch-bar and plate of the bolt.

The letter A indicates the frame or wall on which the shutters B are hinged or set up in any way to cover a window or store-front; and C is the shutter-bar, which, as shown, is pivoted at *c* at one end to one side of the frame or wall A, and is secured over the closed shutters by my improved shutter-bolt.

The shutter-bolt herein shown and described is similar in most respects to the bolt mentioned in my application for a United States patent, filed May 28, 1884, and consists, mainly, of an extensible catch, D, formed of a hollow bar or tube, D', having a screw-tapped hole in its forward end, into which the externally-threaded part D² of the catch fits, so it may be turned out or in to lengthen the bolt, a set-screw, *d*, being provided in the part D' by which to lock the two parts D' D² together at

any desired adjustment. The back end of the part D' has a collar or shoulder, *d'*, which comes against the face of the shutter-bar C, and the forward end of the part D² has a conical head, F, forming a shoulder, *f*, behind which the sliding latch-bar G, which is fitted to the face-plate H, may drop to lock the extensible bolt-latch D in place, said face-plate H being secured by screws *h* or otherwise to the inside face of the frame or wall A.

The present improvement consists in forming a collar, I, on the part D² of the bolt behind the conical head F a short distance—say about three-quarters of an inch, more or less. The object of the collar I, which is about of the same diameter as the part D' of the bolt, is to steady the forward end part, D², of the bolt by bearing against the walls of the opening J, made through the frame or wall A to receive the bolt, and thereby prevent bending of the inner end, D², of the bolt, so it may remain true and straight to allow it to be run in or out of the threaded or nut portion of the part D', as will readily be understood.

When the bolt as last described is used with window shutters or blinds to hold them open, as illustrated in a general way in the aforesaid application for a patent, the collar I will serve by acting behind the catch G to prevent noisy shaking of the open blind on its hinges.

In fastening the shutters B by the bar C and the shutter-bolt, the bar will be swung over the shutters on its pivot *c* until its opposite end hole, *c'*, coincides with the hole J of the frame or wall at the opposite side of the window, as in Fig. 1, and the bolt-catch D, having been adjusted to proper length, will be passed through the holes *c'* J, and its conical head F will strike the latch-bar G and lift and pass it, when the latch-bar will drop behind the shoulder *f*, as in Fig. 2, and the fastening will be complete, and the bolt D cannot be removed from the outside, so that the shutters will be securely barred.

To remove the bar C for opening or taking down the shutters, it only is necessary to lift the latch-bar G above the shoulder *f*, when the bolt D may be withdrawn, so the bar may hang down from its end pivot, *c*, at one side of the window; or, if desired, a bolt-catch and

latch-bar, D G, may be fitted to the window-frame or wall, so as to secure the bar C thereby at both ends to allow it to be entirely removed from the window-frame when the shutters are to be opened or taken down.

A metal tube may be fitted in the window-frame or wall A, through which the shutter-bolt catch D may pass, if desired.

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

1. The combination, in a shutter-fastening, and with the bar C, laid over the window-shutters, of an extensible catch, D, formed of two parts, D' D², screwed to each other, said part D' having a head or collar, d', and the part D² having a conical head, F, and a sliding latch-bar, G, fitted to the window-frame or wall, and adapted to engage the catch-bar be-

hind its head F, substantially as herein set forth.

2. As an improved article of manufacture, a catch for a shutter-bolt, made with a tubular screw-threaded part, D', having a head or collar, d', and a screw-threaded and conically-headed part, D², adapted to be adjusted on the part D' to vary the length of the catch, and said part D² having the collar I, substantially as herein set forth.

3. The combination, with the parts D' D² of the shutter-bolt, screwed to each other and constructed with the collar or head d', conical head F, and collar I, as specified, of the set-screw d, substantially as herein set forth.

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Witnesses:

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