(No Model.)

D. M. STAUFFER.

SHUTTER BOWER AND FASTENER.

No. 589,039. Patented Aug. 31, 1897.

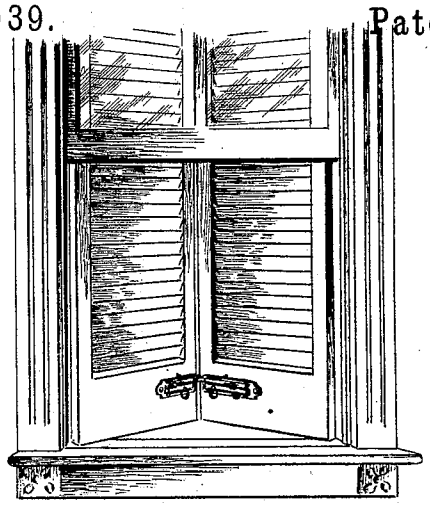


Fig. 1.

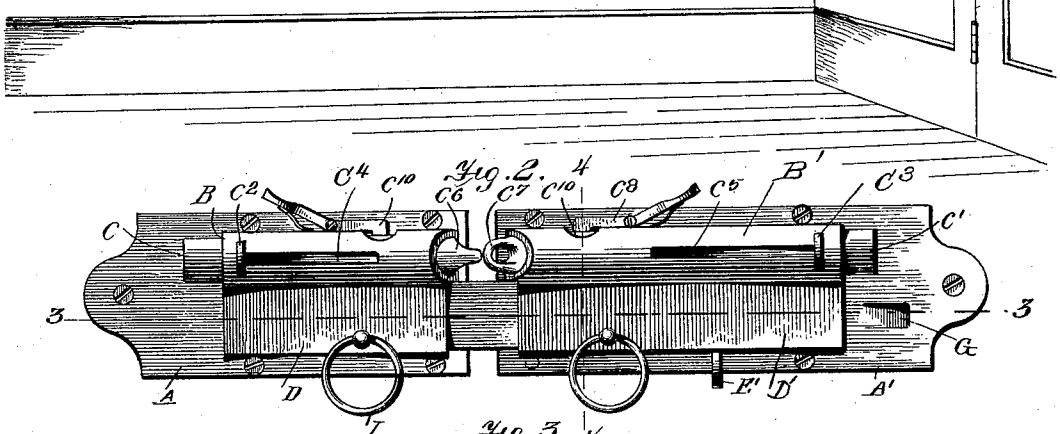
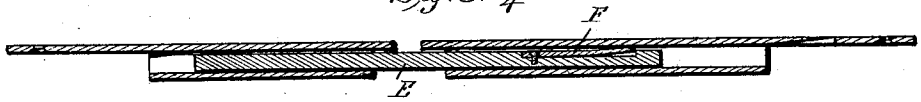


Fig. 2.

Fig. 3.



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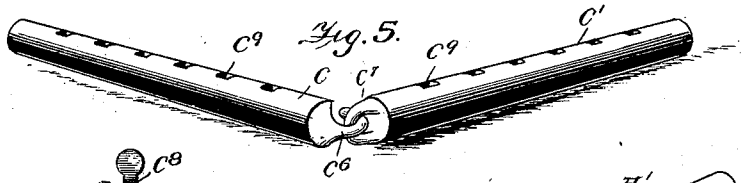


Fig. 5.

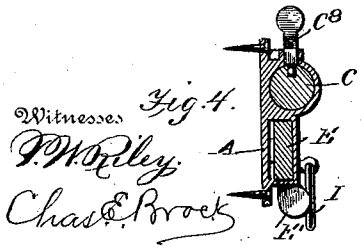


Fig. 4.

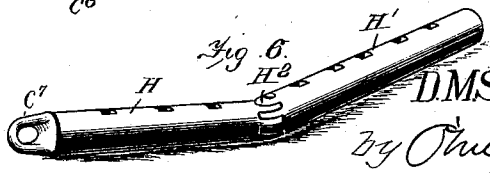


Fig. 6.

Witnesses
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SHUTTER BOWER AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 589,039, dated August 31, 1897.

Application filed February 16, 1897. Serial No. 623,655. (No model.)

To all whom it may concern:

Be it known that I, DANIEL M. STAUFFER, residing at East Petersburg, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Shutter Bower and Fastener, of which the following is a specification.

This invention relates generally to shutter bowers and fasteners; and the object of the invention is to provide a device of this kind which shall be exceedingly cheap and simple in construction, easily operated, and one which can be applied to any of the shutters now in use.

The invention consists in certain details of construction and novelties of combination, all of which will be fully described hereinafter, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a view showing the practical application of my invention. Fig. 2 is a face view of the device complete, the locking-bolt being thrown into operation. Fig. 3 is a sectional view on the line 3 3 of Fig. 2. Fig. 4 is a sectional view on the line 4 4 of Fig. 2. Fig. 5 is a detail perspective view of the bowing-bolts connected. Fig. 6 is a detail perspective view of the sectional construction of bowing-bolt.

In carrying out my invention I employ two plates A and A′, respectively, the plate A′ being slightly longer than the plate A, said plates being attached to the inner faces of the shutters or blinds, as most clearly shown in Fig. 1, and arranged upon the said plates are the tubular or barrel-shaped locking-casings B and B′, in which slide the bowing-bolts C and C′, respectively, said bolts being operated by means of knobs C^2 and C^3, respectively, which work in the longitudinal slots C^4 and C^5, produced in the casings B and B′. The end of the bolt C is provided with a hook C^6, and the end of the bolt C′ is provided with an eye C^7, adapted to receive the hook of the opposing bolt, said bolts having a certain amount of play within the casings, so that the hook and eye can be readily moved into engagement. By this arrangement it will be seen that the shutters or blinds can be connected at their outer edges by a suitable construction of hinged joint, and in order to lock the bolts within the casings or housings I employ the spring-catches C^8, which engage recesses C^9, produced in the bolts C and C′, the engaging ends of the spring-catches working through the openings C^{10}, produced in the tops of the housings or casings. By this arrangement either of the bolts can be adjusted, as desired, and then locked in the adjusted position, so that it will be impossible to open or close the shutters from the outside.

Directly below the casings B and B′ are the rectangular-shaped housings D and D′, respectively, the housing D′ carrying a locking-bolt E, which is operated by means of a suitable knob E′, which works through a slot in the bottom of the casing.

The bolt E is adapted to be projected into the casing D for the purpose of locking the blinds or shutters whenever in a closed position, and in order to limit the backward movement of the said bolt I employ a spring F, which is attached to the inner face of said bolt and is adapted to engage the rear wall of the recess G, produced near the rear end of the plate A′.

In Fig. 6 I have illustrated the construction of a bowing-bolt, which is composed of the sections H and H′, hinged at H^2, the bolt in other details being exactly the same as that previously described, and the object of the hinged joint is to permit the blinds to be bowed and separated a distance at least equal to the length of the section H.

Suitable rings I are attached to the plates for the purpose of swinging the blinds or shutters in or out.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of combined shutter bower and fastener, and one which will carry out all of the objects for which it is intended.

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

1. In a device of the kind described, the combination with the casings, of the bowing-bolts arranged therein, one of which has a hook and the other an eye, the spring-catches for securing the said bolts, and operating

mechanism, substantially as shown and described.

2. In a device of the kind described, the combination with the bowing-bolts having a series of recesses, one of said bolts having a hook and the other an eye, the casings in which the said bolts slide, and the spring-catches adapted to work through the casings and engage the recesses in the bolts, substantially as shown and described.

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