(No Model.)

L. H. FLORY.

SHUTTER FASTENER AND BOWER.

No. 429,024. Patented May 27, 1890.

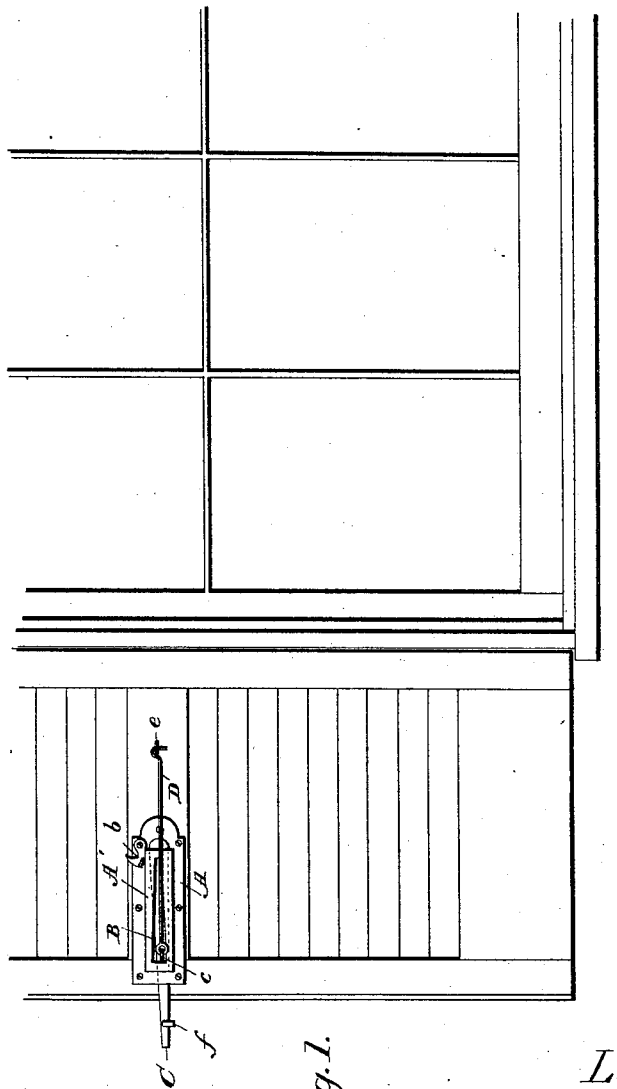

Fig. 1.

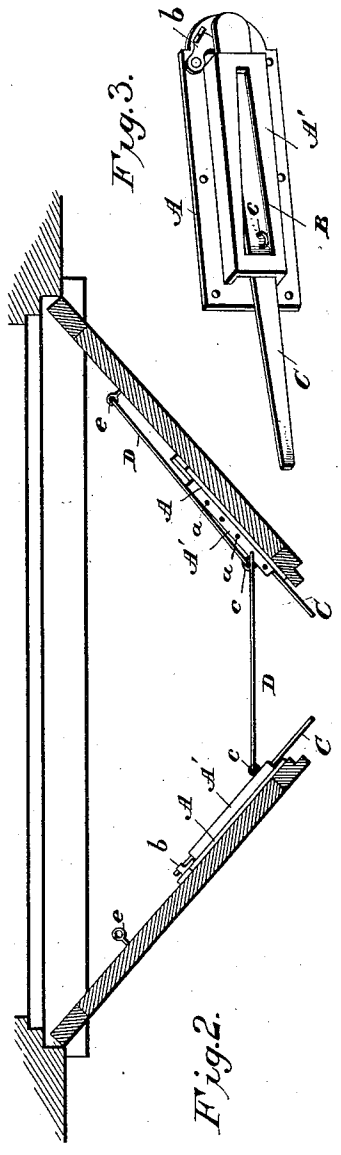

Fig. 2.

Fig. 3.

Witnesses
G. S. Elliott.
E. M. Johnson

Llewellyn H. Flory.
Inventor

By his Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

LLEWELLYN H. FLORY, OF ASHLEY, PENNSYLVANIA.

SHUTTER FASTENER AND BOWER.

SPECIFICATION forming part of Letters Patent No. 429,024, dated May 27, 1890.

Application filed March 27, 1890. Serial No. 346,479. (No model.)

To all whom it may concern:

Be it known that I, LLEWELLYN H. FLORY, a citizen of the United States of America, residing at Ashley, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Shutter Fasteners and Bowers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in shutter fasteners and bowers; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

The object of my invention is to provide an improved shutter fastener and bower which comprises means whereby the shutters may be held open or closed or bowed, as may be desired, the device embodying casings which are adapted to contain movable latches, said casings having wedge-shaped or tapered slots within which the eyes attached to the latches pass, said eyes connecting with hooked rods, which engage with loops or staples attached to the shutter, in order to project the latches to permit them to engage with hooks secured beyond the window-casing for holding the shutters open, and one of said casings is provided with a series of perforations with which the hook located on the opposite shutter engages for holding the shutters bowed, as will hereinafter more fully appear.

In the accompanying drawings, Figure 1 is a front view showing the window-shutters open. Fig. 2 is a sectional view showing the same bowed; and Fig. 3 is a detail view showing the latch detached.

A refers to the body portion of the casing, which is preferably made up of sheet metal having a raised portion or box A′, provided with a longitudinal tapered slot B in the outer wall thereof, while the ends are open. These casings are similar in construction, with the exception that the upper wall of one of them is provided with a series of perforations *a*, while the other has pivotally attached near one end above the casing a hook *b*, having a wedge-shaped end.

C refers to the latches or bolts, which taper, as shown, and are provided between their ends with eyebolts *c*, which pass through the tapered slots B and carry hooked rods D. It will be observed that by this construction the latches or bolts are not only capable of a vertical movement within the boxes A′, but can also be slid longitudinally therein, and are prevented from becoming displaced by the eyebolts contacting with the closed ends of the slot B. By having the wide end of the slot adjacent to the abutting edges of the shutters the latches or bolts can be raised and lowered, and when retracted, or moved so that the eye *c* will occupy the narrow end of the slot, the large end of the bolt or latch will overbalance the small end and hold the same raised against the upper projecting end of the box A′. When the bolt is projected, the small end will overweigh the inner end of the bolt, and the bolt will drop to rest upon the lower projecting edges of the box.

At a suitable distance from the casings eyebolts or staples *e* are attached to the shutters, and the hooks D, when not in engagement therewith, will hold the latches projected, so that they may engage with catches attached to the outer side of the building adjacent to the window-frame to hold the shutters open, and when the latches are placed in such a position they will raise when they contact with said catches *f*. The latches can also be operated or raised by the hooks D.

When the shutters are closed, the tapered ends of the latches can be projected one above the other into the boxes and the hooks D caused to engage with the eyes or staples *e*, and will hold the same from being retracted. When it is desired to bow the shutters, both of the latches are retracted and the hook *b* is forced between the casing and catch to hold the latter immovable, and the hook D is caused to engage with one of the perforations *a* in the upper edge of the opposite casing, and the angle of the shutters may be varied by selecting the proper perforation and by projecting and holding one of the latches or sliding bolts in the desired position by the catch *b*.

It will be observed that the device hereinbefore described is comparatively simple and

serves separate and distinct purposes, and I do not wish to limit myself to the exact construction herein shown, but reserve the right to vary the same within the spirit of my invention and scope of my claims.

I claim—

1. The combination, in a shutter-fastener, of casings having longitudinal slots and latches movably secured therein and provided with eyes to which are secured hooks, substantially as set forth.

2. In a shutter-fastener, a casing having a longitudinal V-shaped slot B, wedge-shaped latches or bolts secured within the casing and provided with eyes which project through the slot, so that the latches or bolts can have both a longitudinal and pivotal movement within the casing, substantially as shown, and for the purpose set forth.

3. The combination, in a shutter-fastener, of plates having projecting casings or boxes secured to the inner sides of the shutters, and movable bolts or latches having rods attached thereto, one of the casings having one or more perforations *a*, with which the rod attached to the opposite bolt may engage, substantially as set forth.

4. In combination with a frame or casing having longitudinal openings or slots and a series of perforations *a*, movable bolts or latches located within the casing and provided with eyes *c* and hooked rods D, one of said rods being adapted to engage with the opposite fixture to hold the shutters bowed, substantially as set forth.

5. In a combined shutter fastener and bower, the combination of the casings having wedge-shaped slots and tapered bolts secured within said casings, hooked rods D, secured to the bolts and adapted to engage with eyes *e*, so as to hold the bolts projected and permit the same to be raised and lowered so that the opposite bolts can engage with the housings when the shutters are closed, or with catches F when open, and a hook *b*, for locking one of the bolts when the device is used as a shutter-bower, the parts being organized substantially as shown, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

LLEWELLYN H. FLORY.

Witnesses:

J. K. P. FENNER,

W. H. KRUEGER.