(No Model.)

T. BUSHEY & L. SOMMER.

SHUTTER FASTENER.

No. 459,063. Patented Sept. 8, 1891.

Fig 1:

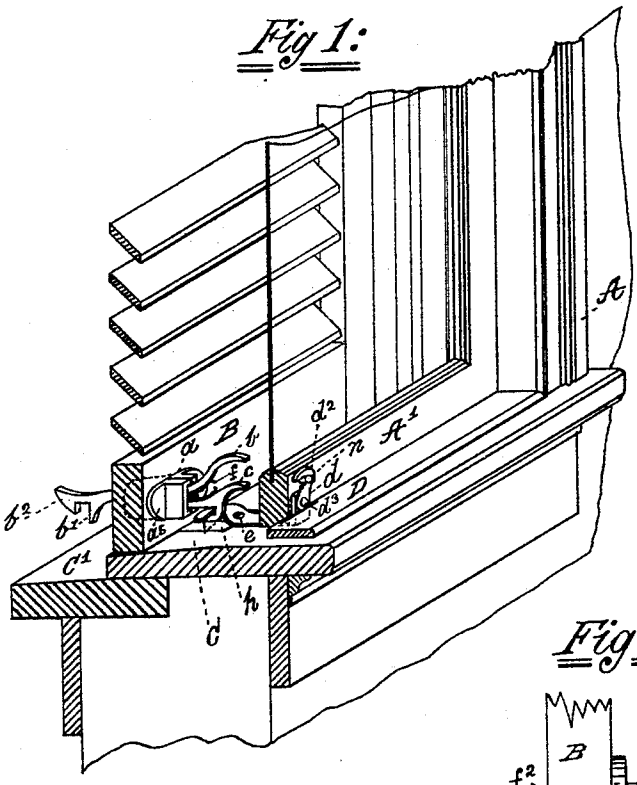


Fig 2:

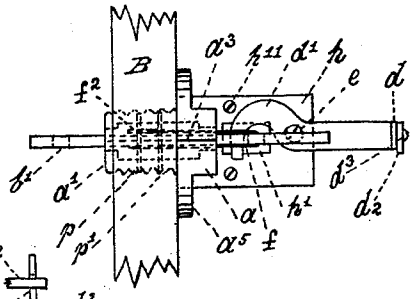


Fig 3:

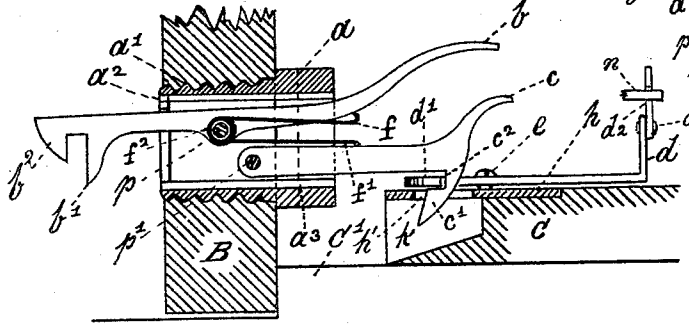
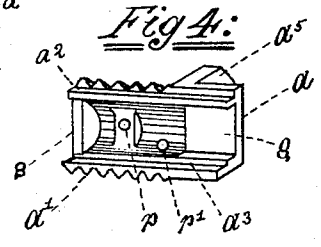


Fig 4:



WITNESSES:
Richard A. Hardy
William Drew.

INVENTORS:
Thomas Bushey and
Louis Sommer
By John F. Kerr
Attorney.

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

UNITED STATES PATENT OFFICE.

THOMAS BUSHEY AND LOUIS SOMMER, OF PATERSON, NEW JERSEY.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 459,063, dated September 8, 1891.

Application filed May 2, 1891. Serial No. 391,317. (No model.)

To all whom it may concern:

Be it known that we, THOMAS BUSHEY and LOUIS SOMMER, of the city of Paterson, county of Passaic, and State of New Jersey, have invented a new and useful Improvement in Fastenings for Shutters and Windows, of which the following is a specification.

The object of our invention is to provide a shutter-fastening which cannot be opened from the outside and which prevents the window from being raised from the outside, thus affording a greater degree of safety than the shutter-fastenings now in common use.

The invention consists in the arrangements and combinations of parts, substantially as hereinafter set forth, and embodied in the claims, to wit: of an outside catch-lever and an inside catch, both of which are secured in a metal box which is made in two pieces and is provided with a screw-thread and is screwed into the shutter as the ordinary shutter-fastening is now secured. The catches are secured in the box by separate pivots or by rivets, which secure the two halves of the box together. A spring is coiled upon a suitable rivet or pin, one end of the spring pressing upwardly against the outside catch-lever, the other end pressing downwardly upon the inside fastening-catch. The box is provided with a shoulder or wing which comes in contact with the inside of shutter when the box is screwed into the shutter until the outside of the box is flush with the outside of the shutter. The box may be doubly secured to the shutter by screws passed through the said shoulder or wing. The inside catch is provided with a hook which is pressed down by a spring through an opening in a catch-plate which is secured to the window-sill. The hook on the inside catch is provided with a notch to receive the hook end of another catch which is screwed on the window-sill, the other end of which is turned up on the inside of the window. On turned-up end of said last-mentioned catch is pivoted another hook which engages a pin secured to the inside of the window-sash.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective view of the window and shutter with the fastening applied. Fig. 2 is a cross-sectional view of the device. Fig. 3 is a plan of the same, and Fig. 4 is a view showing half of the box provided with the screw-thread and lips to adjust.

In the drawings, A′ is the window-sash; B, the outside shutter-blind; C, the window-sill; C′, the outside or weather sill, and D the stop-bead of sill.

a is the box, which is made in two parts, and which is constructed as shown in Fig. 4, in which figure a' is the screw-thread, a^2 a lip, and a^3 a groove to receive a corresponding lip on the other half of the box. The lip a^2 fits into a corresponding slot or groove on the other half of the box. a^5 is the wing or shoulder, which is secured to inside of shutter-blind by screws or nails.

In Fig. 3, b is the outside catch-lever. It is provided with a catch b' and a catch-stop b^2. c is the inside fastening-catch, which is provided with a hook c', having a notch c^2 to receive a hook d' on one end of the turn-buckle catch d. The other end of d is turned up on the inside of the window-sash, and on it is secured by rivet d^3 the hook d^2. The turn-buckle d is secured by a pivot-screw e, which passes through a catch-plate h into the window-sill C. The catch-lever b and the catch c are secured in the box a by means of the pivots p and p'. f is a spring pressing upwardly against the inner end of the outside catch-lever, and f' is a spring pressing downwardly against the fastening-catch c. f^2 is a coil on pin p, giving tension to the springs f and f'.

h in Figs. 1, 2, and 3 is a catch-plate, which is screwed to window-sill C by screws h''. The catch-plate h is provided with a slot h' for catch c'.

k is a clearance cut in sill C.

n is a pin in window-sash A′ for the catch d^2 to engage.

g is space in box a which gives lever b and catch c room to operate.

Figure 1 shows the complete attachment securing the window and shutter. The window cannot be raised until the catch d^2 is disengaged from the pin n, and the hook d' must be released from the hook c' on the catch c before the catch c can be raised for the purpose of opening the shutter, as one end of the turn-buckle d is bent upwardly on the inside of the window-sash A′. It is therefore nec-

essary to raise the window, which rests on the turn-buckle d, in order to release the hooks c' and d', and the hook c' being pressed down through the opening h' in the catch-plate h by the spring f' it can be raised from the inside of the shutter, but not from the outside. When the shutter is opened back against the house, the end b^2 of the outside catch-lever b passes over any ordinary staple secured to the house, the staple remaining in the notch between b' and b^2, and is thus held by reason of the spring f pressing upwardly against the inner end of the catch-lever b.

The operation of closing and securing the shutter and window is just the reverse of that above described in opening the shutter and window.

When the shutter is open, the window may be secured by means of the turn-buckle d, catch d^2, and pin n.

With this description of our invention, what we claim is—

1. The combination, with a window-sash A', of a turn-buckle d, one end of which is bent upwardly inside of sash, the other end of which is provided with a hook d', a catch-plate h, secured to sill and provided with a slot h', a catch c, provided with a hook c' and notch c^2, the outside catch-lever b, provided with a hook b' and catch-stop b^2, the catch c and the catch-lever b being secured by the rivets or pins p and p' in and to the metal box a, said box being constructed in two parts and provided with a screw-thread a' and wings a^5, substantially as shown and described, and for the purpose set forth.

2. In a shutter-fastener, the metal box a, constructed in two parts, each part provided with a lip a^2 and groove a^3 and provided with the screw-thread a', openings g, and wings a^5, in combination with the catch-lever b, catch c, springs f' f^2 and coil f, and catch-plate h, secured to window-sill and provided with a slot h', substantially as shown and described, and for the purpose set forth.

THOMAS BUSHEY.
LOUIS SOMMER.

Witnesses:
PETER DREW, Jr.,
WILLIAM DREW.