(No Model.)

C. O. BIRNEY.

SASH FASTENER.

No. 465,518. Patented Dec. 22, 1891.

Fig. I.

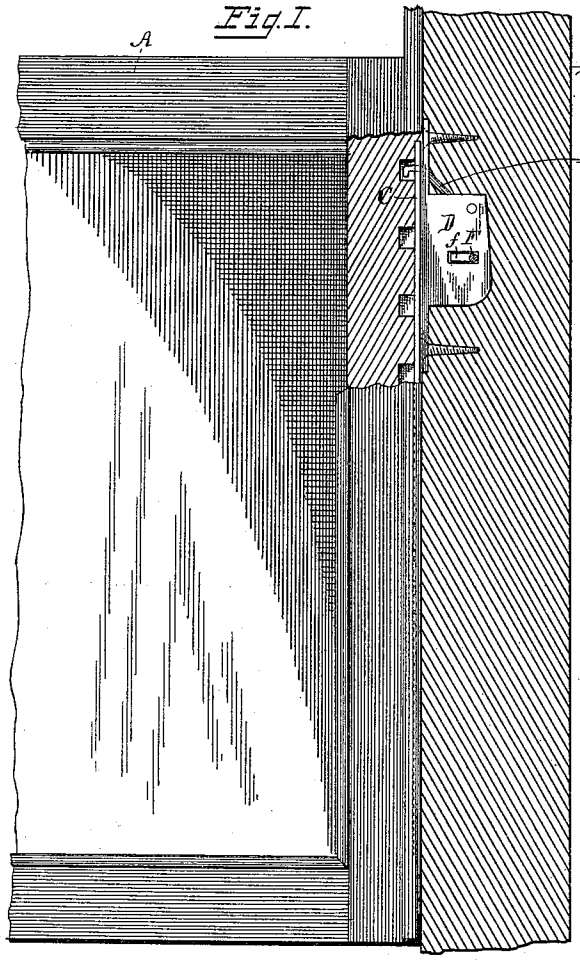


Fig. IV.

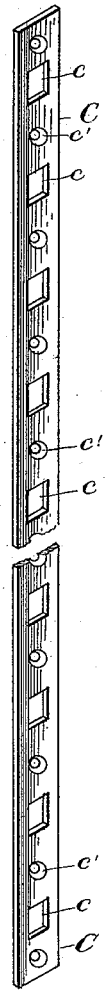


Fig. II.

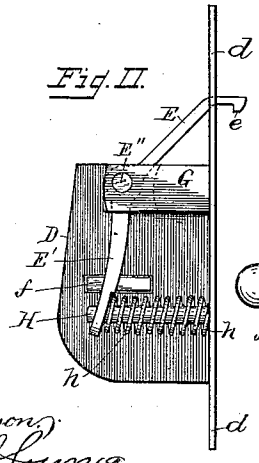


Fig. III.

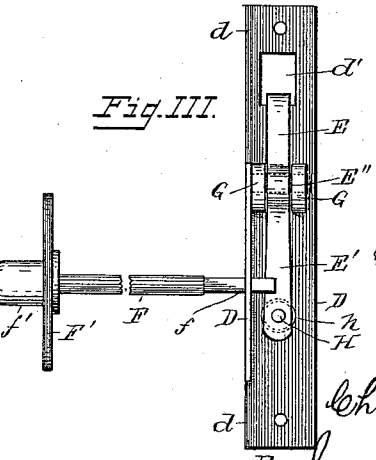
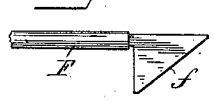


Fig. V.



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

UNITED STATES PATENT OFFICE.

CHARLES O. BIRNEY, OF KANSAS CITY, MISSOURI.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 465,518, dated December 22, 1891.

Application filed October 19, 1891. Serial No. 409,185. (No model.)

To all whom it may concern:

Be it known that I, CHARLES O. BIRNEY, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Sash Locks and Fasteners Combined; and I do 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 the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a sash lock and fastener combined, which shall readily hold a sash at any desired elevation and securely lock it in such position, and may be readily adapted to use in any window-sash in buildings or cars, which shall be cheap in construction, durable, and not only safe in any position, thereby obviating all danger of windows closing accidentally, but will at the same time be safe against the unlocking by parties on the outside or from being forced out of locking position. I attain these results by the mechanism illustrated in the accompanying drawings, in which—

Figure I is a view of a window sash and frame with a portion of the outside removed to show the sash-lock in position. Fig. II is a detail side view of the sash-lock. Fig. III is a detail front view of the sash-lock. Fig. IV is a detail in perspective of the perforated locking-bar. Fig. V is a broken detail view of the push-bolt.

Similar letters refer to similar parts throughout the several views.

A represents the window-sash.

B represents the window-frame.

C represents the locking bar or plate having square perforations *c* and screw-holes *c'* to receive and hold the lock-hook.

D represents the casing to which the lock is secured.

d represents the extension by which it is secured to the jamb by screws passing through suitable holes.

d' represents an opening in the extension *d* through which the snap-lock E passes.

E is the snap-lock. E' is the main shank of said lock.

E'' is the pin on which the snap-lock is fulcrumed.

e is the notch on end of snap-lock.

F is the shove bolt or pin that comes in contact with the main shank.

f is the beveled point to F, which operates the snap-lock.

f' is the head which fits loosely on pin F.

F' is a washer-plate securing the shove pin or bolt in the jamb.

G G are lugs in which the lock E is secured.

H is a pin carrying a coil-spring *h*. Said spring is to hold the lock-bar E in locking position.

In the arrangement of my invention the locking bar or plate is sunk into the central part of the sash, with corresponding holes in the sash with those in the locking bar or plate to receive the lock-catch. The lock-frame is sunk into the jamb, so that the face of the locking bar or plate and the face of the lock-frame will operate in close contact, and as the sash passes up and down the lock-catch will drop into the bar-slots. When it is desired to raise or lower the window, all that is necessary to release the sash from locked position with the jamb is to press on the button of the push-bar, when the window can be raised or lowered at will and to any desired extent, so that when the pressure is released on the button the lock-catch catches in one of the slots in the locking bar or plate, and can only be released by pressure on the button or breaking the lock-catch.

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

In a sash lock and fastener, the combination of the locking plate or bar C, the catch-slots *c* in the bar, the casing D, the lugs G G, the snap-lock E, the main shank of the snap-lock E', the fulcrum E'', on which the snap-lock is secured, the coil-spring pin H, the push-bar F, the button-plate on jamb F', the beveled point to the pusher *f*, and the button *f'*, substantially as set forth.

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

CHARLES O. BIRNEY.

Witnesses:
BESSIE E. YOUNG,
S. N. KERR.