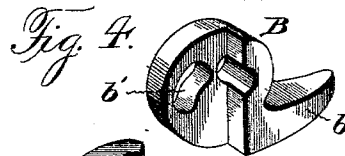
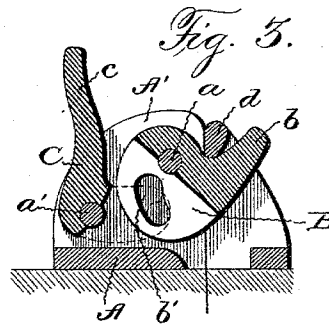
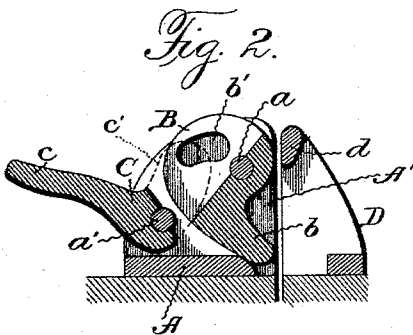
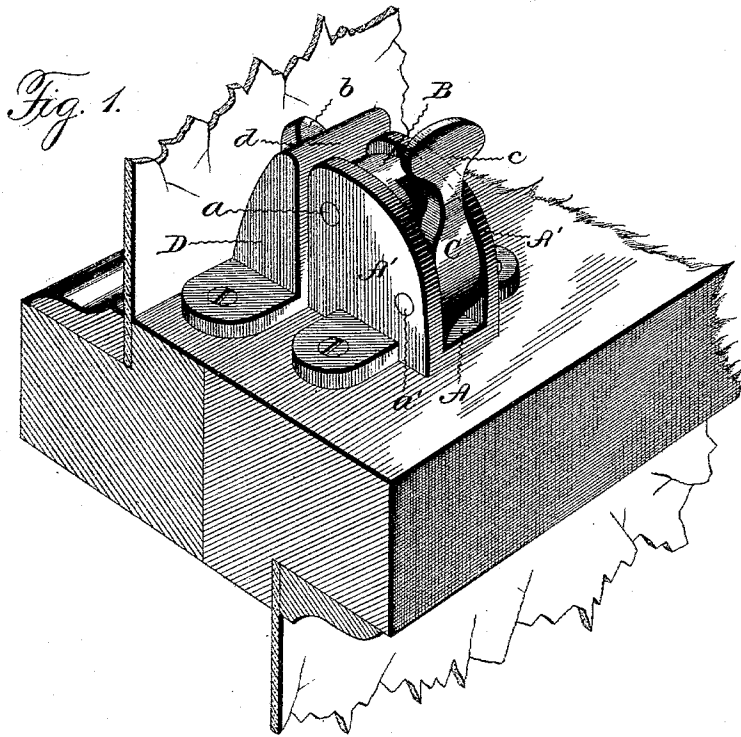


(No Model.)

H. A. BENNETT.
SASH FASTENER.

No. 559,663.

Patented May 5, 1896.



Witnesses:
John Anders jr.
Henry C. Hazard.

Inventor:
Henry A. Bennett, by
Crimble & Russell, his Attys.

UNITED STATES PATENT OFFICE.

HENRY A. BENNETT, OF AURORA, ILLINOIS.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 559,663, dated May 5, 1896.

Application filed February 11, 1895. Serial No. 537,960. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. BENNETT, of Aurora, in the county of Kane, and in the State of Illinois, have invented certain new and useful Improvements in Fasteners for the Meeting-Rails of Sashes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my sash-fastener; Fig. 2, a vertical section of the same, showing the parts when in an unlocked or open position; Fig. 3, a like view with the parts in their locking position, and Fig. 4 a perspective view of the latch and operating-lever separated from each other.

Letters of like name and kind refer to like parts in each of the figures.

The object of my invention is the provision of a fastener for the meeting-rails of sashes of simple construction, cheap production, easy operation, and yet most efficient as a lock; and to these ends said invention consists in the sash-fastener having the construction and combination of parts substantially as hereinafter specified.

In the carrying of my invention into practice in its preferred embodiment I employ a frame or support for the movable parts of the fastener, which consists of a base-plate A, having holes on opposite sides for the passage of fastening-screws, and two parallel vertical or upright lugs or plates A' and A'. Pivoted between said plates or lugs are the latch B and its operating lever or handle C, the former being pivoted upon a horizontal pin *a*, that is supported by said plates, and the latter upon a horizontal pin *a'*, which is likewise supported. The latch has substantially the form of a disk, with a hook extension *b* to cooperate with the horizontal cross-bar *d* of a keeper D, that consists of a base-plate, from which rise two separated parallel lugs that at their upper ends are connected by said cross-bar.

The operating lever or handle C has the form of a bell-crank, and one arm, *c*, is shaped for convenient grasp of the fingers, while the other, *c'*, is provided with a stud or pin *c''*, that engages a cam-slot *b'* in the disk part of the

latch B. The shape and position of the slot are such that an upward movement of the arm *c* of the lever throws the latch into engagement with the keeper, while a downward movement moves said latch out of engagement, and the angle at which the hook *b* stands is such as to cause it, when moved into engagement with the keeper, to draw the sash-rails together.

To prevent the possibility of the fastener being opened when locked by inserting a knife-blade or other thin object between the sash-rails and applying pressure thereby to the latch, the construction and arrangement of parts are such that when the handle C has moved the latch into engagement with the keeper D the pin-carrying arm *c'* of said handle is in such position that a line drawn from the pin *c''* through the pivot of the handle C is at a right angle, or substantially so, to the portion of the slot that engages said pin *c''*. The latch is thus effectively held from movement except by means of the handle C. A further element of safety in this respect is due to the pivoting of the latch upon a horizontal pivot, as the latch is obviously more difficult of movement in the manner above noted than if it were pivoted on a vertical pivot.

To enable the latch and handle to closely fill the space between the vertical plates A' and A', the portions of the latch and handle that overlap are cut away, as shown, so that jointly they just fill the space between the plates.

My device is simple, can be cheaply manufactured, and is a most efficient lock.

Having thus described my invention, what I claim is—

In a fastener for the meeting-rails of sashes, the combination of a base-plate having two, parallel, upright lugs, a latch and lever, pivoted on horizontal pivots between said lugs, with portions cut away where they overlap, a pin-and-slot connection between the latch and lever, whereby an upward movement of the lever moves the latch into locking position, and a downward movement thereof moves the latch into an unlocking position,

and a keeper having a cross-bar for engagement by the hook of the latch, the portion of the latch-slot that engages the pin when the keeper is engaged being at a right angle to a
5 line passing through said pin and the pivot of the lever, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of January, A. D. 1895.

HENRY A. BENNETT.

Witnesses:

BERNEY OLEIAJEN,
WILLIAM J. TYERS.