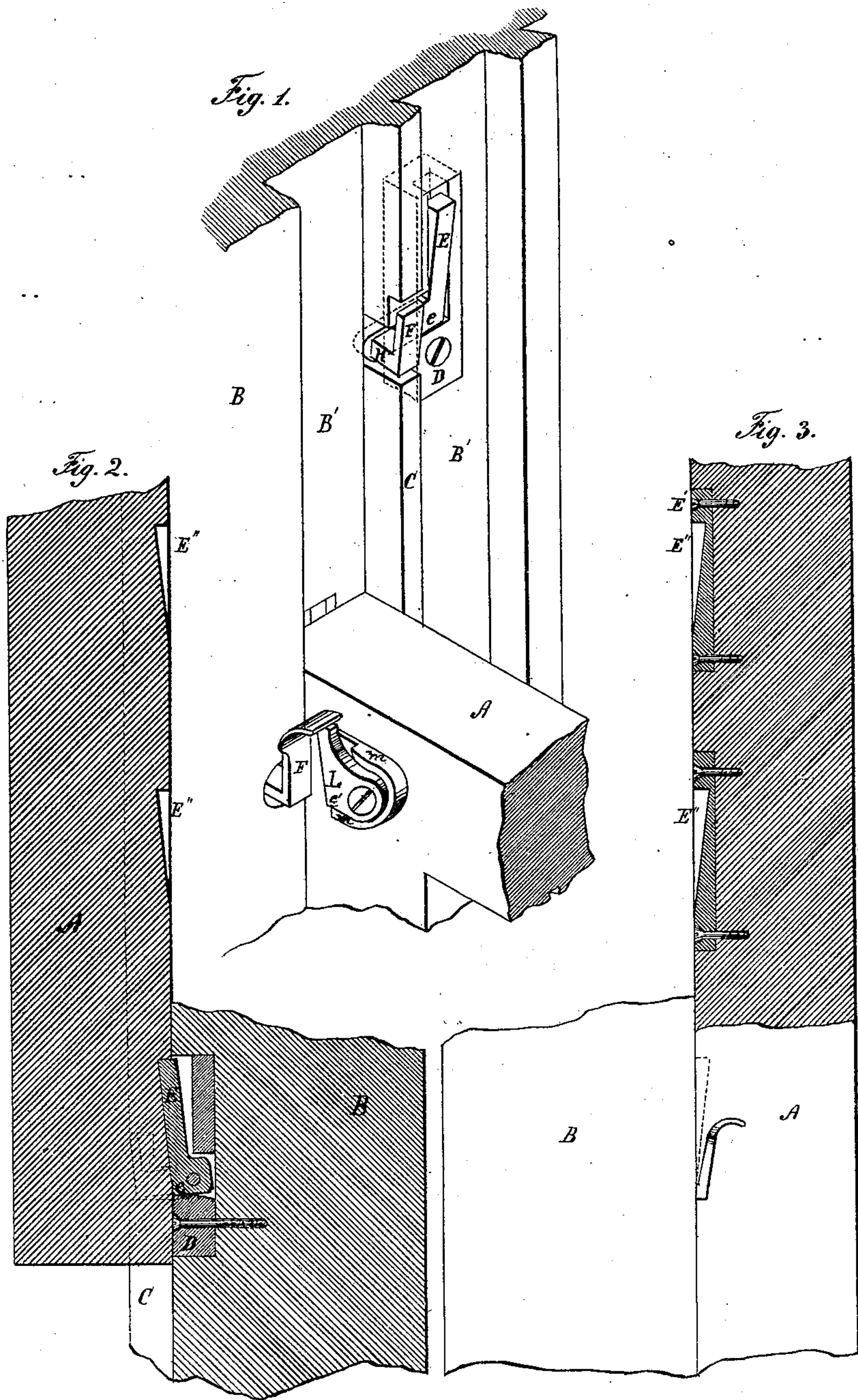


HENRY W. BAKER.
Improvement in Sash-Holders.

No. 127,448.

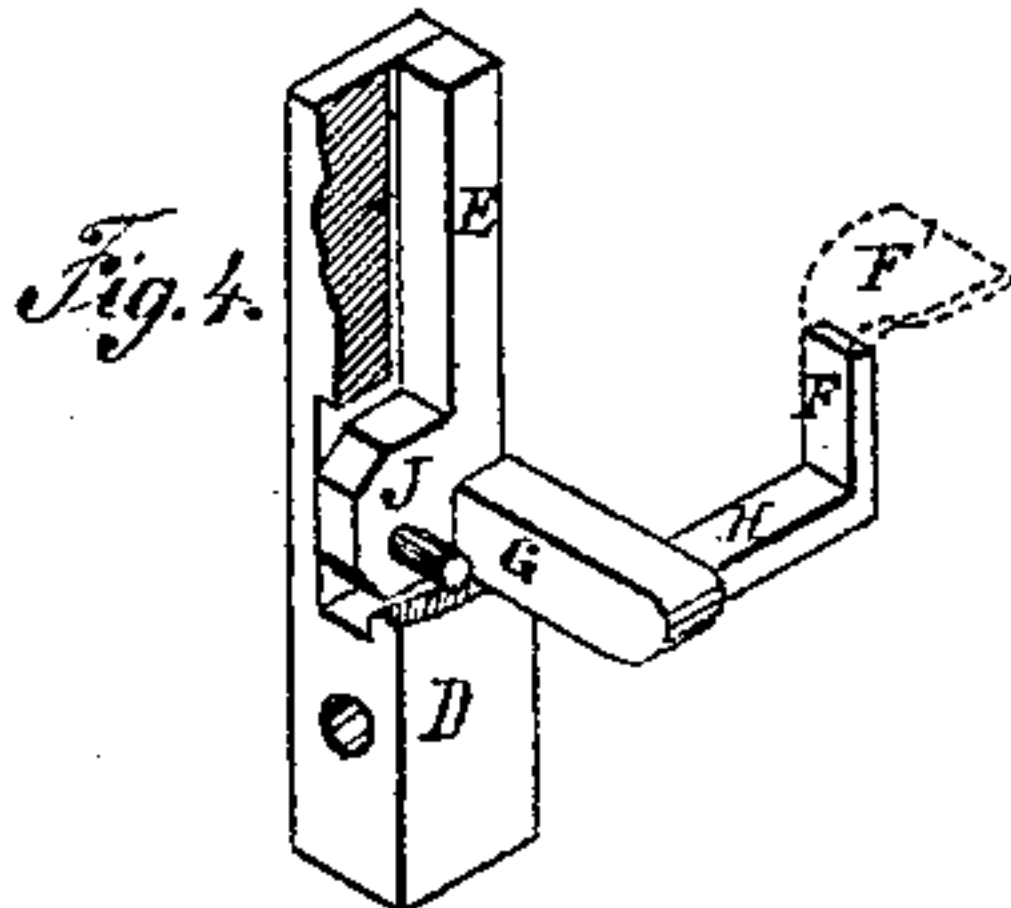
Patented June 4, 1872.



WITNESSES:

Herm. Lauter.

Geo. Jewell



INVENTOR:

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UNITED STATES PATENT OFFICE.

HENRY W. BAKER, OF BURLINGTON, WEST VIRGINIA.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 127,448, dated June 4, 1872.

SPECIFICATION.

Be it known that I, HENRY W. BAKER, of Burlington, county of Mineral, State of West Virginia, have invented a new and Improved Sash-Holder and Lock; and I declare the following to be a full, clear, and exact description of same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing which forms a part of this specification.

My invention relates to a secure sash-holder which will always catch, and it is simple and strong in its construction; and consists in forming, in connection with this sash-holder, a convenient locking device for securing the window when closed, as will be hereafter more fully described.

In the drawing, Figure 1 is a view of the sash-holder as applied to the upper frame. B is the window-frame; B', the groove in which the sash A slides. D is the metal piece or block which holds the latch or pawl E. *e* is a shoulder, which strikes against the bed-plate D. F H is the thumb-piece to unloosen the latch. At the lower part of Fig. 1 is lower sash-holder, differing from the upper by the curved thumb-piece. L is the locking-dog, set on a metal bed-plate with flange *m*. *e* is a shoulder, which strikes against the flange *m*.

Fig. 2 is a sectional view, in elevation, of the sash-holder with the recesses or ratchets E'' in the sash. C is the middle strip, shown in Fig. 1, the dotted lines representing the thumb-piece or lever, set into the middle strip C so as to be clear of the lower sash when the latter is raised. *e* is the shoulder.

Fig. 3 is sectional view of the sash A, showing metal recesses or ratchets.

Fig. 4 is view of the latch in isometrical projection, with a portion of the bed-plate removed so as to expose the latch. The full lines represent the upper, and the full and dotted lines the lower, sash-holders.

I form the bed-plate D of a piece of metal provided with a recess formed into and through it, as shown in the drawing. This recess is so shaped that when the latch is pressed back into it the whole surface presented to the sash

will be flush or smooth. The bottom part is formed with a bevel extending part of the distance back, as shown in Fig. 2, so that the shoulder *e* of the latch may rest flat upon it when supporting the weight of the sash, and thus throw no strain upon the pivot. This block is sustained to the frame by a screw near its bottom end. The latch or pawl is formed of one piece of metal, with an upright piece, E, a transverse bar, G, to carry it clear of the sash, and two arms, H and F. The whole is retained in the bed-plate by a pivot which passes through a heel, J, which projects back beyond the balance of the latch, thus throwing its center of gravity toward the sash that it may always fall into the recesses or ratchet. The sash is provided with recesses or ratchets E'', which may be of metal, or may be simply cut into the sash. The upper sash-holder is so arranged that the thumb-lever will lie wholly within the middle strip of the frame, so as to be out of the way of the lower sash and of the strip it carries on its upper edge. The lower sash-holder is provided with a curved thumb-piece, F', under which the locking dog or bar L may fall, and thus secure the window when closed. This locking-dog L is preferably set into a bed-plate with a flange, *m*, so that, when resting beneath the latch F', its shoulder *e'* rests solidly against the flange, and the strain is thrown off the screw. Another screw, not shown in the drawing, passes through the bed-plate into the sash beneath the locking-dog L to keep it from turning upon its seat.

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

The sash-holder herein described, when provided with the curved thumb-latch F, in combination with the locking-dog L with or without bed-plate and flange *m*, whereby a sash is securely locked in position, all substantially as described and shown, for the purposes set forth.

HENRY W. BAKER.

Witnesses:

WELLS W. LEGGETT,
CHARLES E. WEAVER.