

(No Model.)

D. W. GASKILL.
SASH HOLDER.

No. 461,167.

Patented Oct. 13, 1891.

Fig. 1.

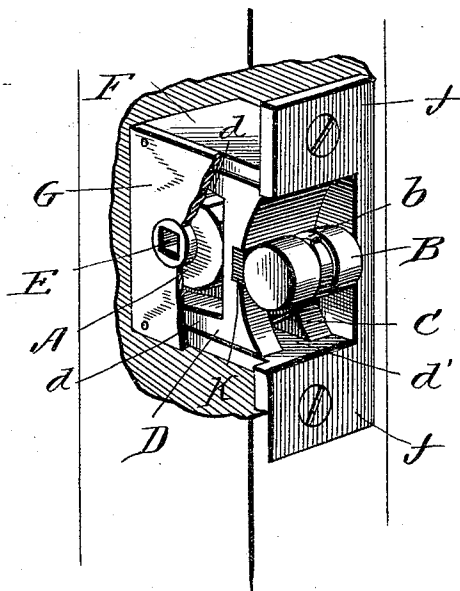


Fig. 2.

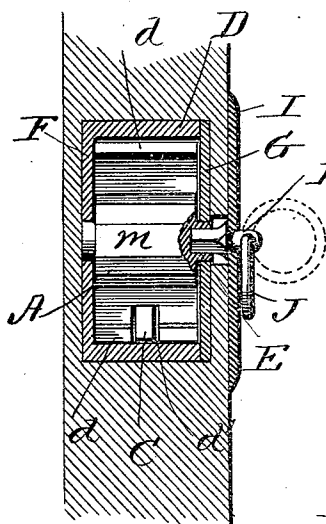


Fig. 3.

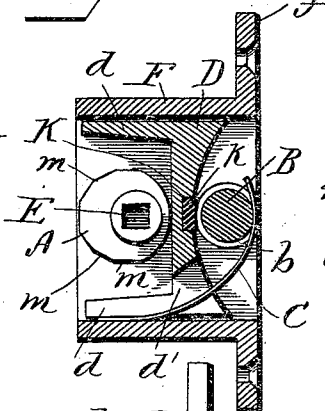


Fig. 4.

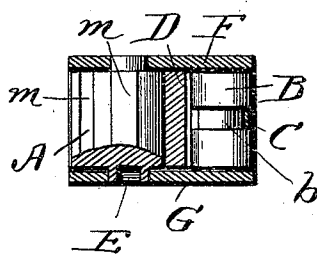
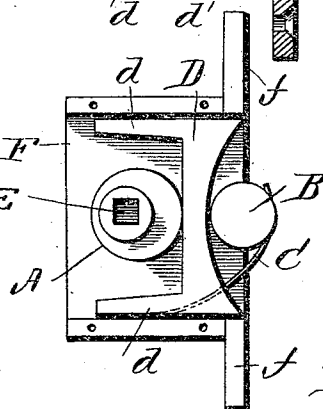


Fig. 5.



Witnesses
"H. B. Hillyard."
Van Buren Hillyard.

Inventor
Daniel W. Gaskill.
By his Attorney
R. A. Racy

UNITED STATES PATENT OFFICE.

DANIEL WILLIS GASKILL, OF LITTLE ROCK, ARKANSAS.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 461,167, dated October 13, 1891.

Application filed May 12, 1891. Serial No. 392,449. (No model.)

To all whom it may concern:

Be it known that I, DANIEL WILLIS GASKILL, a citizen of the United States, residing at Little Rock, in the county of Pulaski and State of Arkansas, have invented certain new and useful Improvements in a Combined Sash Lock and Fastener; 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.

This invention relates to a combined sash lock and fastener, and has for its object to provide a simple and efficient device for the purpose specified, which can be cheaply constructed, put together without separate fastenings, and which will be convenient of operation.

The improvement consists of the novel features and the peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a combined sash lock and fastener embodying my invention, parts being broken away. Fig. 2 is a cross-section of the invention near the rear end of the case, showing the escutcheon and the key. Fig. 3 is a central section taken at right angles to Fig. 2. Fig. 4 is a central horizontal section of the device. Fig. 5 is a modification.

The case F is closed on three sides, the front and rear ends being left open and the intermediate side being closed by the removable plate *g*. The extensions *f* at the ends of the case overlap the mortise in the stile of the sash and are apertured to receive screws or other fastenings, by means of which the device is secured to the said stile.

The block D is recessed in its rear side and is placed in the case and is free to move back and forth therein, being advanced or pushed forward in the case by the eccentric A, which is journaled at its ends in the sides of the case. The front side of the block curves in between its top and bottom ends and the binding-roller B is held in the middle of the block by the spring C, which is fastened at one end to

the case, the other end of the spring curving up and confining the binding-roller B between it and the curved side of block D. A groove or channel K is formed transversely across the face of the block D midway between its ends, in which is fitted a strip of rubber or similar elastic material *k*. The spring is centrally located between the sides of the case and works through a slot *d'* in the lower end of block D, and its upper end enters an annular channel *b* in the binding-roller, so as to come below the surface of the said roller and not interfere with its free action and operation. The recess in the rear side of block D is sufficiently deep to form guide-arms *d d'*, which retain the block in an operative position against all strain. One journal of the eccentric is provided with an angular-shaped recess E in its end to receive the key H, by means of which the said eccentric is rotated to press forward the said block D. The key is transversely apertured at its outer end and is held in the escutcheon I by means of a shoulder and the ring J, the latter passing through the said aperture in the end of the key. The eccentric is provided with a series of flat faces *m*, which in the operation of the invention bear against the rear side of the block D and hold the eccentric in the located position against accidental displacement.

In Fig. 5 the parts are precisely the same as shown in the other figures, except that the groove K and the elastic strip *k* are dispensed with and the eccentric A is circular in form instead of being provided with a series of flat faces *m*.

All the parts are cast except the spring C, and when assembled occupy the related position shown most clearly in Fig. 3.

The device is essentially a mortise-lock and fastener, and the escutcheon is fastened on the outside of the stile and retains the key in proper relation to the eccentric. To fasten the sash, the eccentric is rotated until the binding-roller B is jammed between the case and the block D. In this position the sash is locked against movement in either direction, because a movement of the sash in either direction, would cause the roller B to ride on the incline above or below, as the case

may be, and jam it all the harder against the casement. The spring C, besides supporting the roller B, slides the roller B and the block D back when the eccentric is turned to permit the withdrawal of said parts.

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

1. In a sash-lock, the combination, with a movable block having its face depressed between its ends and having an elastic strip in the lowest part of the depressed surface, of the binding-roller normally held against the said elastic strip, substantially as described.

2. In a sash-lock, the combination, with a block having its face depressed between its ends, of a roller and a spring for holding the roller against the said block and in the lowest part of the depression, substantially as described.

3. In a sash-lock, the combination of the block having its face depressed between its ends and having a recess in its rear side, a binding-roller normally held at the lowest point in the said depression, and an eccentric located in the recess in the rear side of the block directly opposite and in line with the

said binding-roller, substantially as and for the purpose described.

4. In a sash-lock, the combination of the block D, the binding-roller B, and the eccentric A, having a series of flat faces, substantially as and for the purpose described.

5. In a sash-lock, the combination, with the movable block, the binding-roller, and the eccentric having an angular-shaped recess in its end located in a mortise in the sash, of the escutcheon I, the key H, having its inner end fitted in the said recess E and having a shoulder to bear against the inner side of the escutcheon, and a ring passing through an opening near the outer end of the key to confine the escutcheon between the said shoulder and the key, for the purpose set forth, and serving as a means to rotate the key and the said eccentric, substantially as described, for the purpose specified.

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

DANIEL WILLIS GASKILL.

Witnesses:

A. V. STAFFORD,
JAMES M. STEWART.