

No. 685,469.

J. A. HASENPFLUG.

Patented Oct. 29, 1901.

SASH LOCK.

(Application filed Aug. 31, 1901.)

(No. Model.)

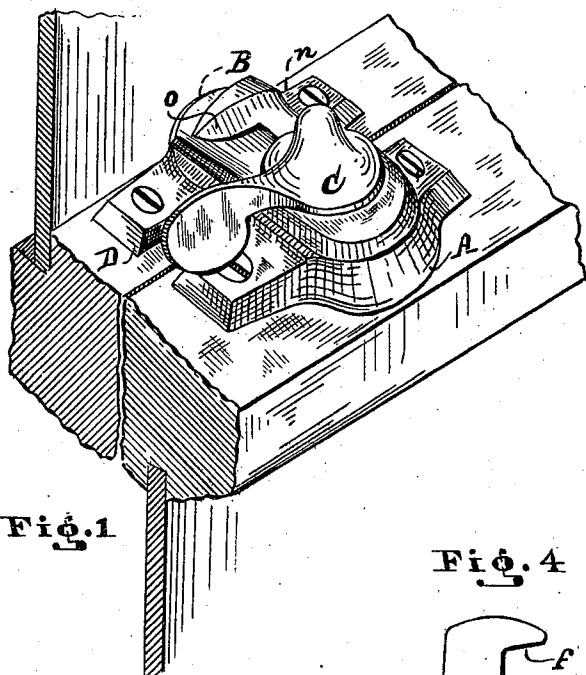


Fig. 1

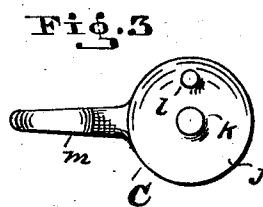


Fig. 3

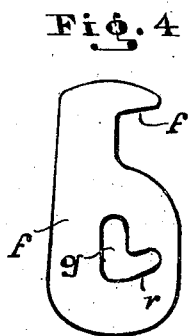


Fig. 4

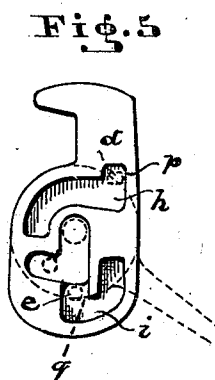


Fig. 5

Fig. 2

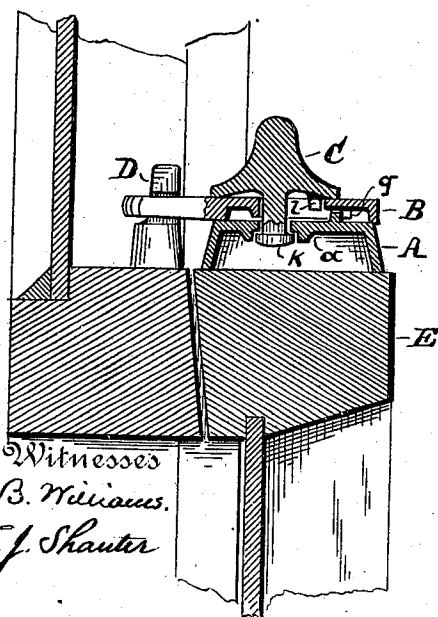
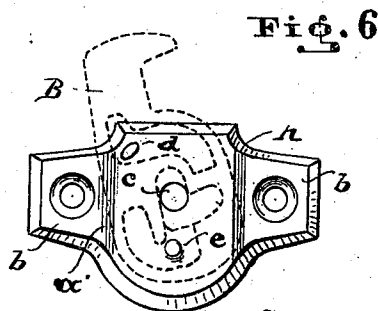


Fig. 6

Witnesses
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SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 685,469, dated October 29, 1901.

Application filed August 31, 1901. Serial No. 74,010. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. HASENPFLUG, a citizen of the United States of America, and a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

My invention relates to improvements in sash-locks of the kind which are attached to the meeting-rails of sashes and in which a horizontally-swinging latch engages with the hook of a so-called "keeper;" and the object of my improvement is to construct and operatively combine the elements of such locks in an extremely simple, reliable, and durable manner. I attain this object in a lock as shown in the accompanying drawings, in which—

Figure 1 represents a perspective view of a lock of the kind as above referred to. Fig. 2 represents a transverse sectional view of the same and the meeting-rails, respectively, of the lower and upper sash of a window; and Figs. 3, 4, 5, and 6 represent detached parts of said lock, to which reference will be made hereinafter.

Like letters of reference denote like parts in the drawings and specification.

Substantially the lock comprises the base A, the latch B, lever C, and keeper D. The base A is preferably made in shell form *a*, with branches *b b*, which are adapted for screw connection with the rail E of the lower sash. The face *a'* of said shell is perforated, as at *c*, and provided with lugs *d e*. The latch B resembles an oblong recessed plate *f* with a hook terminal *f'*. In the plate part of said latch is an L-shaped slot *g* and recesses *h* and *i*. (See Figs. 4 and 5.)

The lever C comprises the button *j*, the stem *k*, lug *l*, and handle *m*. The stem *k* and lug *l* project from the inner side of said button, respectively, through the base and into the slot *g* of the latch. (See Figs. 2, 5, and 6.)

The connection of the lever C with the base A is a pivotal one, and preferably the terminal of the stem is riveted or "upset" for the purpose of maintaining operative connection of the latch intermediate the said lever and base.

The keeper D, which is securely connected

with the lower rail of the outer sash, comprises a base *n*, with a hook *o* adapted for engagement with the latch B for the purpose of locking the sashes, as presently described.

In the drawings, Figs. 1 and 2 illustrate the sashes (respectively fastener) in locked condition, in which instance the handle *m* is pointing to the "left" (see Fig. 1) and lug *l* is drawing the latch inwardly, so that the notches *p* and *q* of said latch become engaged by the lugs *d e* of the base, (see Figs. 2, 4, and 5,) which state of affairs retains the latch in securely-locked condition. Upon turning of the handle to the "right" the latch is first released from engagement of the lugs *d e*. (See Fig. 6.) Thence upon further turning of the latch said latch can be swung back until the handle and latch are pointing in directly opposite direction, whereupon the sashes are freed one from the other. In turning of the handle from right to left the latch is first swung in under the keeper. Thence it is drawn inwardly upon the lug *l*, striking the side *r* of the slot *g*. Finally when the lever is forced to the right as far as the latch will admit then conjointly the lever and base will hold the latch in locked condition, since the lug *l* is "past" its highest "arc" and the lugs *d e* engage the notches *p q*. Thus in no other way except by turning of the lever could the latch become released or freed to be turned.

What I claim, and desire to secure by Letters Patent, is—

In a sash-lock comprising the combination of the base A, latch B, lever C and keeper E, the said base being of shell form having a perforation *c* and lugs *d e* in and on the face thereof, the latch having in its plate part an L-shaped perforation *g* and recesses *h i*, with notches *p q* underneath, and the said lever being pivotally connected with said base and having a lug in engagement with perforation *g* all constructed and arranged substantially as and for the purpose set forth.

Signed at Cleveland, Ohio, this 1st day of August, 1901.

JOHN A. HASENPFLUG.

Witnesses:

BERNH. F. EIBLER,
E. W. HASENPFLUG.