

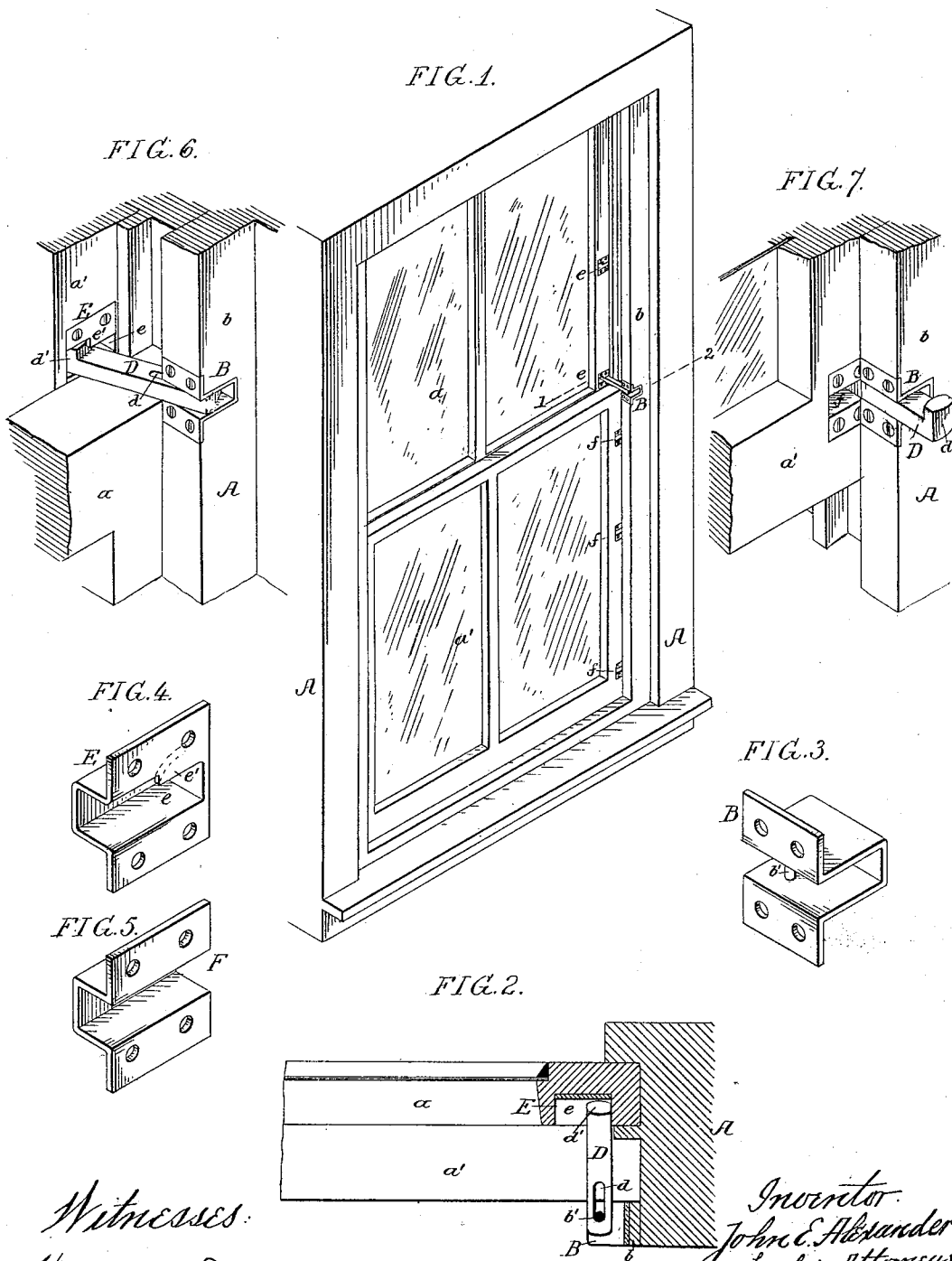
(No Model.)

J. E. ALEXANDER.

SASH FASTENER.

No. 332,472.

Patented Dec. 15, 1885.



Witnesses:

William F. Davis
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UNITED STATES PATENT OFFICE.

JOHN E. ALEXANDER, OF BRIDGEPORT, NEW JERSEY.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 332,472, dated December 15, 1885.

Application filed October 16, 1885. Serial No. 180,053. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. ALEXANDER, a citizen of the United States, residing in Bridgeport, Gloucester county, New Jersey, have invented certain Improvements in Sash-Locks, of which the following is a specification.

My invention consists of certain improvements in the construction of sash-locks, as fully described and claimed hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a window-frame with sash provided with my improvements. Fig. 2 is an enlarged section on the line 1 2, Fig. 1. Figs. 3, 4, and 5 are detached perspective views of parts of the device. Fig. 6 is a perspective view showing the device locking both the upper and lower sashes, and Fig. 7 is a perspective view showing the device supporting the lower sash in an elevated position.

A is the window-frame; *a*, the upper sash, and *a'* the lower sash. The band or molding-strip *b* is cut away for the reception of a metallic piece, B, having a pivot-pin, *b'*, to which is hung a bolt, D, the pin *b'* being adapted to a slot, *d*, in the bolt. The bolt D has a head, *d'*, which is to be adapted to recesses *e* in the upper sash, as shown in Fig. 1. These recesses I prefer to provide with metallic linings E, of the form shown in Fig. 4. The upper part of the recess *e* is provided with an inclined or cam flange *a'* for engagement with the head *d'* of the bolt D. The lower sash is also provided with recesses *f*, for which linings F are provided, of the form shown in Fig. 5.

In the operation of the device to fasten the upper sash, and with it the lower sash, the bolt D is swung around on its pivot *b'* until the head *d'* enters the recess *e*. The bolt is then pushed forward with its head behind the cam-flange *e'*, Fig. 2. The flange *e'* tends to bind both the upper and lower sashes together and against the frame, making a tight joint, as will

be seen on reference to Fig. 2. It will also be seen that the bolt when inserted into the recess *e* not only locks the upper sash, but also locks the lower sash as well, no matter in which of the recesses *e* the bolt is inserted. (See Fig. 6.) When it is required to lock the lower sash in an elevated position, the bolt is reversed and its thin end introduced into one of the slots *f*.

My device may be applied to windows in which one or both window frames or shutters are hinged and swing, the head *d* on the bolt engaging with the recess *e* and preventing any outward movement.

The slot *d* in the bolt D is mainly for the purpose of adapting the fastener to window-sashes of different thicknesses, although it also facilitates the reversing of the bolt for the upper and lower sashes.

I claim as my invention—

1. The combination of a window-frame and upper sash having recesses *e* with a slotted bolt, D, pivoted to the frame, and adapted to engage with said recesses in the upper sash, substantially as set forth.

2. The combination of a slotted bolt, D, pivoted to the frame of the window, and having a head, *d'*, with the sash having a recess, *e*, provided with a cam-flange, *e'*, substantially as described.

3. The combination of a window-frame and upper and lower sashes having recesses with a reversible bolt, D, pivoted to the frame and adapted to engage with the recesses in both sashes, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN E. ALEXANDER.

Witnesses:

CHARLES W. SPARHAWK,
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