

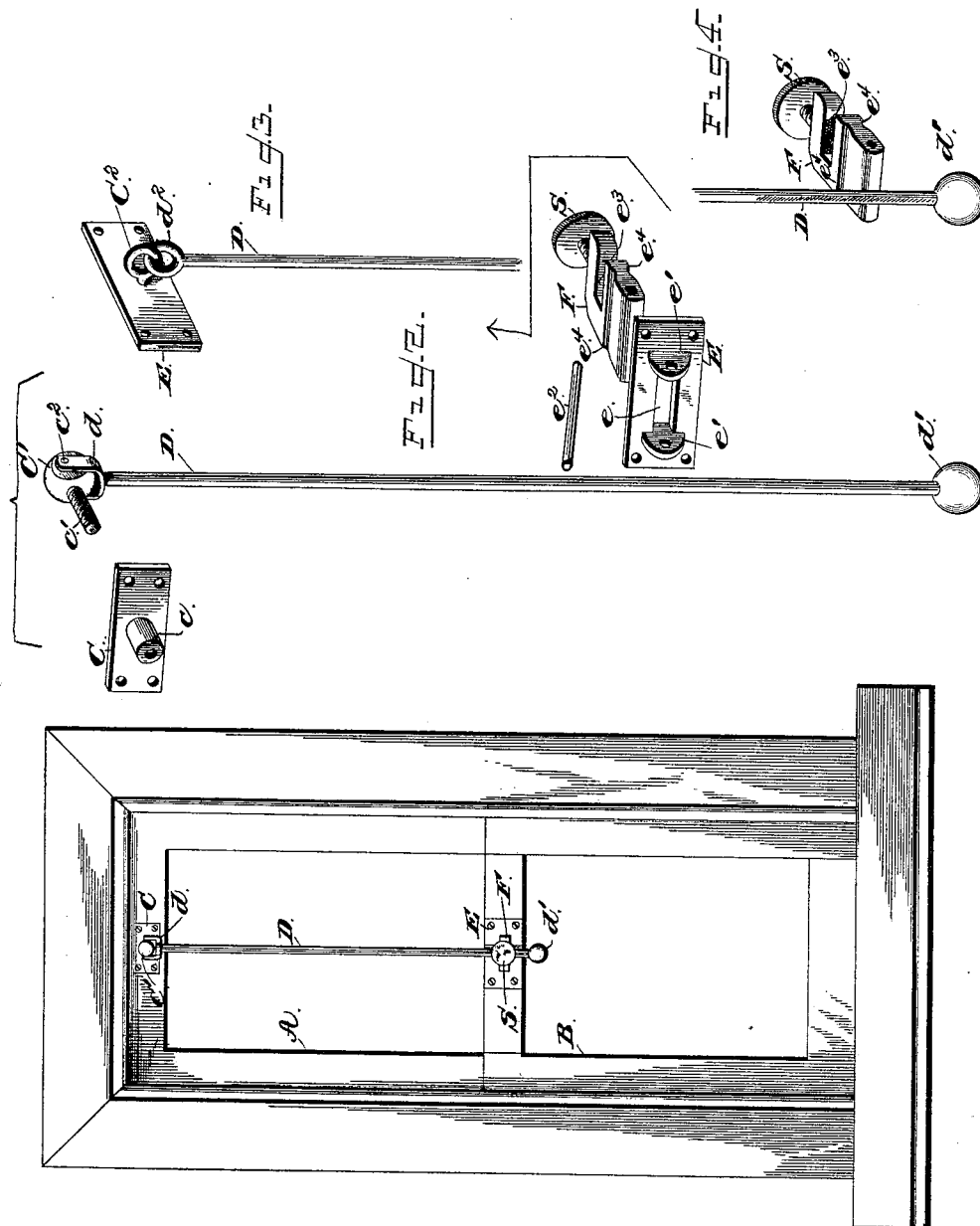
(No Model.)

W. YELLAND, Jr.

SASH FASTENER.

No. 386,678.

Patented July 24, 1888.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

WILLIAM YELLAND, JR., OF BROOKLYN, NEW YORK.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 386,678, dated July 24, 1888.

Application filed February 1, 1888. Serial No. 262,658. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM YELLAND, Jr., a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Sash Attachments; 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.

My invention relates to certain new and useful improvements in attachments for window-sash; and it consists in the novel construction and arrangement of the parts thereof, which will be more fully hereinafter described, and pointed out in the claims.

The primary object of my invention is to provide an attachment for window-sash whereby the same may be secured against a forcible opening, supported in an open position for the purpose of ventilation, or a part thereof may be employed to raise or lower the upper sash.

The secondary object of my invention is to provide a sash attachment which is of simple and effective construction, strong and durable, easily handled and readily operated, and comparatively inexpensive in manufacture.

I attain these objects by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the several views, and in which—

Figure 1 is a front elevation of sash, showing my improved device in connection therewith. Fig. 2 is a perspective view of the parts of the device shown detached. Fig. 3 is a perspective view of a part of the device, showing a modification in construction. Fig. 4 is a similar view showing a further modification.

A and B indicate the upper and lower sash, respectively. To the central top portion of the upper sash, A, a plate, C, is secured by any suitable means, and is provided on its rear face with an integral or attached socket, *c*, as shown in detail, Fig. 2, which receives a screw, *c'*, in connection with a ball, *C'*, as shown in Figs. 1 and 2, or, as shown in Fig. 3, with the screw of an eye, *C''*. Where the ball, as *C'*, is used, an aperture is drilled therethrough and receives a pin, *c''*, which is secured at its ends in the two forks of a yoke, *d*, carried on the

upper end of a rod, D, which carries a ball or other ornament, as *d'*, on its lower end for convenience in handling. As shown in Fig. 3, the yoke *d* is supplemented by an eye, *d'*, which is linked with the screw-eye *C''* when said parts are used.

On the central top portion of the lower sash, B, a plate, E, is secured by suitable means, and is formed with a central slot, *e*, and integral apertured ears *e'*, which are situated at each end of the said slot *e* on the rear face of the said plate. A metallic block, F, is provided, and is of such dimension as to pass through the slot *e* in the plate E and have free vertical rocking movement therein. That part of the block F which is disposed at the rear face of the plate E is formed with an aperture, through which and the apertured ears *e'* a pintle, *e''*, is inserted and secured, and allows the said block to have a free vertical rocking movement. The part of the said block situated on the outer side of the outer face of the plate E is constructed with a slot, *e'''*, extending partially through said block from one side thereof, and which is adapted to engage the lower part of the rod D. The outer front end of the block is provided with a screw-threaded aperture extending therethrough and communicating with the slot *e'''* therein. This screw-threaded aperture receives a thumb-screw, S, which is used to clamp the lower end of the rod D in the slot in block F. The portion of the block on the outer side of the plate E is formed with extended shoulders *e<sup>1</sup>*, which limit the movement of the said block by bearing against the adjacent surface of the plate E. As shown in Fig. 4, the lower portion of the rod D may be formed with a corrugated or otherwise roughened surface, which acts conjunctively with a similar surface formed on the sides bounding the slot *e'''* of the block F.

The uses and operation of my improved device are as follows: When I desire to lock the sash against forcible opening, they are closed and the rod D placed within the slot *e''* in the block F and the thumb-screw S screwed home thereagainst. If it is desired to raise the lower sash, lower the upper sash, or raise and lower the lower and upper sash and sustain them in these several positions, the rod D is disen-

gaged from the first adjustment described and resecured in the slot  $e^2$  of the block F in the adjusted position required. In this latter instance the rod will extend some distance below the plate E on the lower sash, while in the first-named adjustment the lower end thereof will be in close proximity to the block F, and therefore forms no depending projection.

If it is desired to use the rod D as a means of lowering and raising a heavy upper sash, it is released from the block F, when it can be conveniently used for the purpose.

The upper connection of the rod D is in the form of a universal joint, and allows a lateral as well as an inward and outward movement thereof. This movable attachment of the rod D, together with the rocking movement of the block F, provides an adjustment of the said parts to accommodate an abnormal position consequent upon drawing the sash toward each other by raising and lowering the same, the rod D being slightly forced at an outward angle when the upper sash is lowered and the lower sash raised, and vice versa.

I do not propose to limit myself to the precise construction herein set forth, as many changes in the formation of the minor parts might be made and substituted for those shown without in the least departing from the nature or spirit of my invention.

If I so desire, I can construct the rod D flat or square and provide the lower portion thereof with suitable perforations to be engaged by the shank of the thumb-screw S.

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

1. In a sash attachment, the combination, substantially as before set forth, of a rod adapted to be attached at its upper end by a universal joint to the central top part of an upper sash, and a slotted clamping-block capable of a rocking movement, adapted to be secured to the central upper part of a lower sash, to which the lower free end of the said rod may be removably attached.

2. In a sash attachment, the combination, substantially as before set forth, of a plate provided with an integral screw-threaded socket secured to the central top part of the upper sash, a rod attached at its upper end to said plate and forming a universal joint therewith, the slotted plate secured to the upper central part of the lower sash, and the slotted block capable of a rocking movement, mounted in said slotted plate and having a clamping-screw mounted therein.

3. In a sash attachment, the combination, with the upper sash, of a socketed plate attached to the upper part thereof, a rod having a ball at the upper end thereof pivotally mounted in a yoke and provided with a screw-shank adapted to have a movable bearing in the socketed plate to form a universal joint therewith, the lower sash, the slotted plate formed with ears centrally secured to the upper part of the lower sash, a slotted clamping-block pivotally mounted in the slotted plate, between the ears thereof, capable of having a rocking movement imparted thereto, and the slot thereof adapted to be engaged by the depending free end of the rod, the said block also having shoulders formed therewith to limit its movement, and a clamping-screw mounted in said block, substantially as described.

4. In a sash attachment, a rod having a ball at its upper end pivotally mounted in a yoke having a screw-threaded shank adapted to movably engage with a socketed plate centrally secured to the top of an upper sash, in combination with a self-adjusting rocking clamping-block secured to the top central part of a lower sash, substantially as described.

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

WILLIAM YELLAND, JR.

Witnesses:

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J. E. JACOBS.