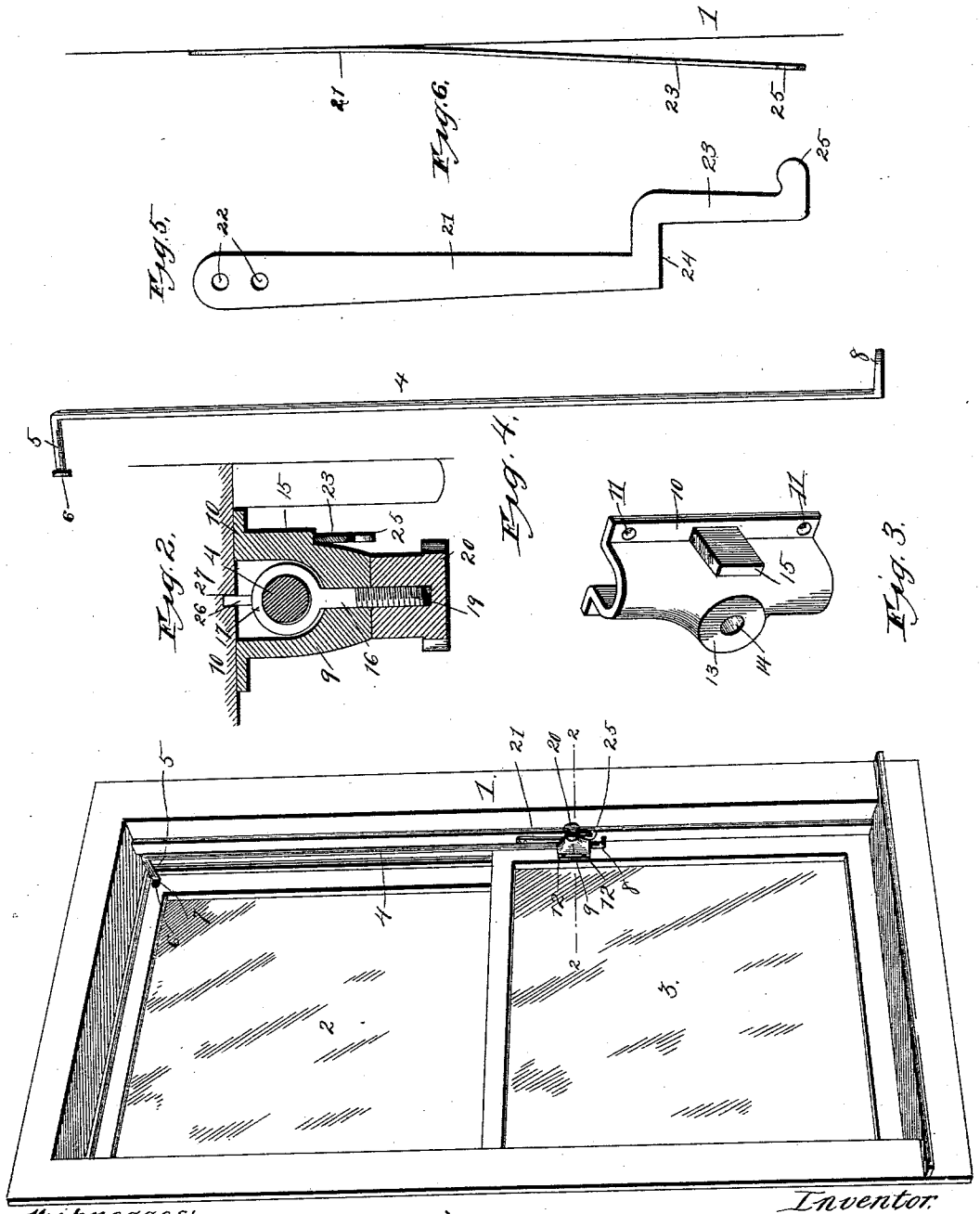
(No Model.)

F. A. MARCELL.

SASH FASTENER.

No. 457,615. Patented Aug. 11, 1891.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK A. MARCELL, OF OTTAWA, KANSAS.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 457,615, dated August 11, 1891.

Application filed April 24, 1891. Serial No. 390,337. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. MARCELL, of Ottawa, Franklin county, Kansas, have invented certain new and useful Improvements in Attachments for Windows, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to attachments to be applied to the windows of dwellings and other buildings; and the object of my invention is to produce a simple, durable, and inexpensive attachment by means of which the window-sashes can be securely locked in closed position, and by means of which, also, the sashes can be securely held in partially open position.

To the above purpose my invention consists in certain peculiar and novel features of construction and arrangement, as hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a window-casing and sashes with my improvements applied thereto. Fig. 2 is a horizontal cross-section of the same on the line 2 2 of Fig. 1. Fig. 3 is a detached perspective view of the adjustable slide for the lower window-sash. Fig. 4 is a detached side view of the guide-rod for the slide. Fig. 5 is a detached side view of the locking-spring. Fig. 6 is a view of said spring in position upon the window-casing.

In the said drawings, 1 designates the window casing or frame, and 2 3 the upper and lower window-sashes, respectively.

4 designates the guide-rod, the upper end 5 of which is bent downwardly at an acute angle and its extremity 6 being bent at right angles to the portion 5 and flattened, and also formed with a hole to receive a screw 7. This screw, after passing through the flattened end 6 of the guide-rod 4, enters one end of the top rail of the upper sash 2 or the upper end of the side rail of the said upper sash, and the guide-rod extends vertically downward along the inner side of the side rails of the upper and lower window-sashes 2 3, as shown. The lower end 8 of this guide-rod 4 is bent outward at right angles, and is flattened so as to form a finger-piece.

9 designates the slide, which is of U form in cross-section, and the inner edges of which are turned outward to form flanges 10, through which holes 11 are formed. A number of screws 12 pass through these holes 11 and attach the slide to the upper part of one of the side rails of the lower sash 3. The outer side of this slide is formed midway of its length with a boss 13, through which an opening 14 is formed, and at one side of this boss is formed a square lug 15 for a purpose to be explained.

16 designates an eyebolt, the circular head of which embraces the guide-rod 4 and the stem of which extends through the opening 14. The outer end 19 of this bolt is externally screw-threaded to receive a set-nut 20.

The inner side of the eye 17 is formed with an inwardly-extending stud or spur 26, which enters a hole or socket 27, formed in the side rail of the lower sash 3. The purpose of this spur is to hold the eyebolt in a perfectly horizontal position while the rod 4 is passing through the eye, and thus prevent all binding between the eye and rod.

21 designates a spring-plate, the upper end of which is formed with two holes 22, through which pass the screws which attach the spring to the inner side of the window-jamb adjacent to the slide 9. The lower end 23 of this spring-plate is of L shape, so as to form a shoulder 24, and the lower end 25 of said plate is in the form of a finger-piece.

From the above description it will be seen that when the upper sash 2 is fully raised and the lower sash 3 is fully lowered the shoulder 24 of the spring-plate 21 rests upon the upper side of the lug 15 of the slide 9, and thus locks the lower sash in closed condition and holds it locked when the upper sash is being lowered or raised. When in closed condition, both window-sashes are locked by tightening the set-nut 20, so as to draw the eye 17 of the bolt 16 firmly against the rod 4. When it is desired to lower the upper sash, the set-nut 20 is loosened and the guide-rod 4 is caused to move downward beneath the slide 9 as far as desired, after which the set-nut 20 is again tightened up to hold the upper sash in its lowered position.

When it is desired to raise the lower sash 3, the set-nut 20 is loosened and the spring-plate 21 is pressed against the jamb of the window-casing 1, so as to disengage the shoulder 24 of the spring from the lug 15 of the slide 9. After the lower sash has been raised as much as desired the set-nut 20 is again tightened, thus holding the lower sash in raised condition.

It will thus be seen that I have provided a simple, durable, and inexpensive attachment for windows which operates to lock the window-sashes in closed condition, and which also serves to retain the sashes in partially-open condition. Furthermore, that the device is easily operated, and can be applied to window-sashes which are either provided with sash-weights or which are not so provided with such weights.

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

1. An improved attachment for windows, comprising a guide-rod designed to be attached by its upper end to the upper part of the upper window-sash, a slide designed to be attached to the lower sash and having a hollow boss and also an angular lug, an eyebolt embracing the rod and extending through the boss, a set-nut screwed upon the outer end of the bolt, and a spring-plate designed to engage the lug of the slide, substantially as set forth.

2. An improved attachment for windows, comprising a guide-rod designed to be attached by its upper end to the upper part of the window-sash, a slide designed to be attached to the lower window-sash and having a hollow boss, an eyebolt the eye of which embraces the rod, a stud upon the eye designed to enter a recess in the lower sash, and a set-nut threaded upon the stem of the bolt, substantially as set forth.

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

FREDERICK A. MARCELL.

Witnesses:
F. A. WILKINSON,
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