

G. W. Bishop,

Sash Fastener.

No. 105299.

Patented July 12, 1870.

Fig. 1.

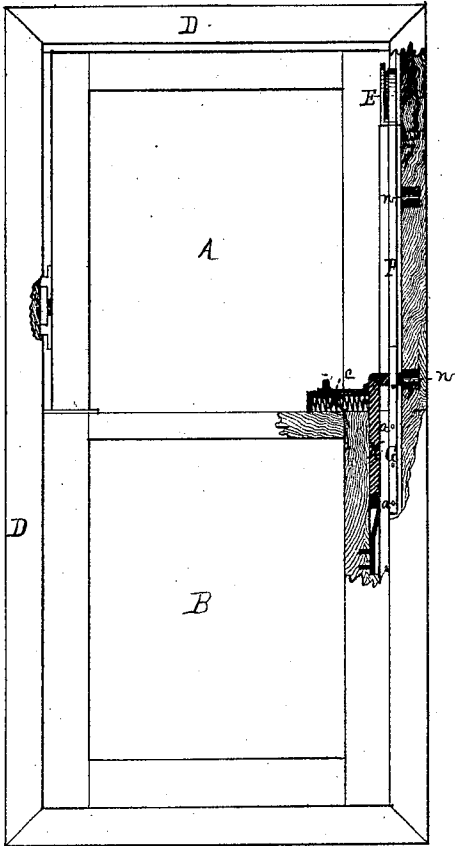


Fig. 2.

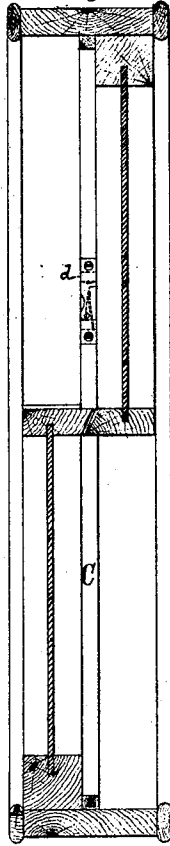
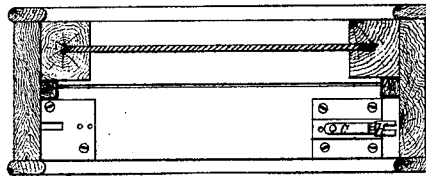


Fig. 3.



Witnesses

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GEORGE W. BISHOP, OF SARATOGA SPRINGS, NEW YORK.

Letters Patent No. 105,299, dated July 12, 1870.

IMPROVEMENT IN SASH-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, GEORGE W. BISHOP, of Saratoga Springs, in the county of Saratoga and State of New York, have invented a new and valuable Improvement in Window-sash Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a front view of my invention.

Figure 2 is a transverse vertical section of the same.

Figure 3 is a horizontal central section of the same.

Figures 4 and 5 are details.

My invention relates to means for fastening and adjusting window-sashes, and consists in improvements and additions to my patent of May 31, 1870, by which it is intended to make the fastening and adjusting of window-sashes more easy of accomplishment than by the means described in my said patent.

A of the drawing represents the upper sash of a window, and B the lower sash thereof.

The letter C represents a parting strip or bead, which is attached to the inside of the window-frame, and serves to separate the upper from the lower sash in the manner shown.

D represents the window-frame.

E represents a pulley affixed to the frame D, over which is passed and operated the metallic band F.

This band is attached, at its upper end, to the sash A, while its lower end is pendent in the groove G, formed in the side of the lower sash.

The letters *a* represent pins upon the band F, for the purpose hereinafter mentioned.

H represents a latch, pivoted, at its lower end, to the side of sash B, as shown, while its upper end, turned to the right in the shape of an elbow, is cut out in the form of jaws, which clasp the band F on its flattened side, either above or below one of the pins *a*, as may be desirable.

The letter *c* is a dog hinged to the latch H, immediately below its elbow, and is operated as mentioned hereafter.

K represents a coiled spring inclosed in a metallic case, and arranged upon the top of sash B, as shown. The office of this spring is to operate against the inner side of latch H, and force said latch against the side of the frame when desirable so to do.

I make small openings in the top of the case that holds spring K, in which the pin on the end of dog *c* may be inserted at will, thereby holding the latch H away from the frame.

The letters *n* represent apertures in the frame, in which the point or jaws of the latch H are inserted automatically by means of the spring K as the lower sash is raised or lowered, thereby holding the same securely in position at the point desired. These openings may be increased at will.

As the lower sash is raised the lower end of band F is passed downward in the groove G.

To raise the lower sash without moving the upper one, I place the jaws of the latch above the pins *a* upon the belt, while, to raise the lower sash, and move the upper one downward at the same time, I place the jaws of the latch under a pin, *a*, and move the lower sash upward.

I usually place a duplicate of the lifting and fastening apparatus, above described, upon the opposite side of the window, but this is not always required.

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

The arrangement of the latch H, spring K, and its perforated metallic case, with the dog *c* and band F, as herein described.

In testimony that I claim the above, I have heretofore subscribed my name in the presence of two witnesses.

GEORGE W. BISHOP.

Witnesses:

E. W. ANDERSON,
EDW. P. MASI.