

(No Model.)

A. V. SANFORD.  
Sash Fastener.

No. 234,071.

Patented Nov. 2, 1880.

Fig. 1.

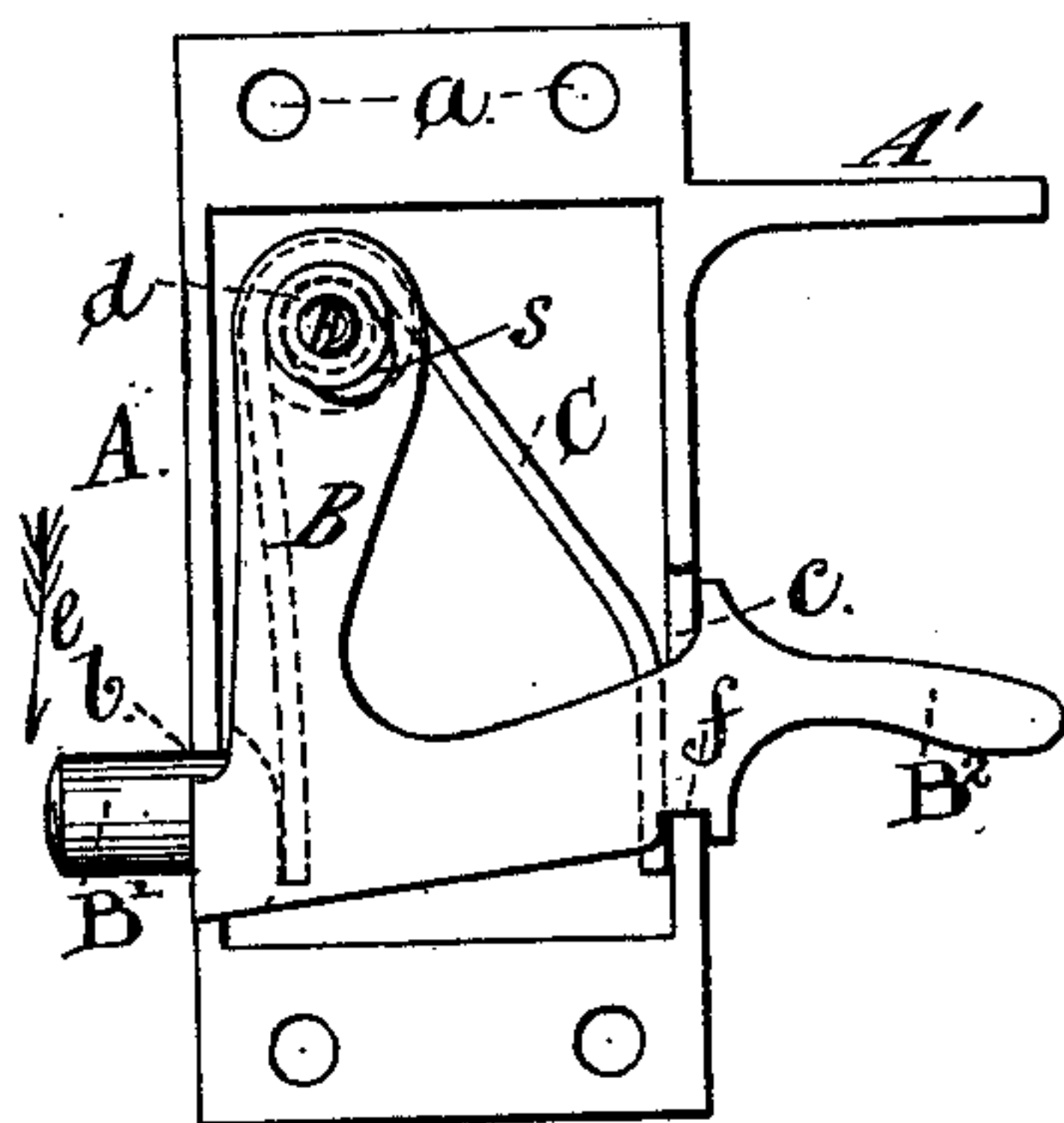


Fig. 2.

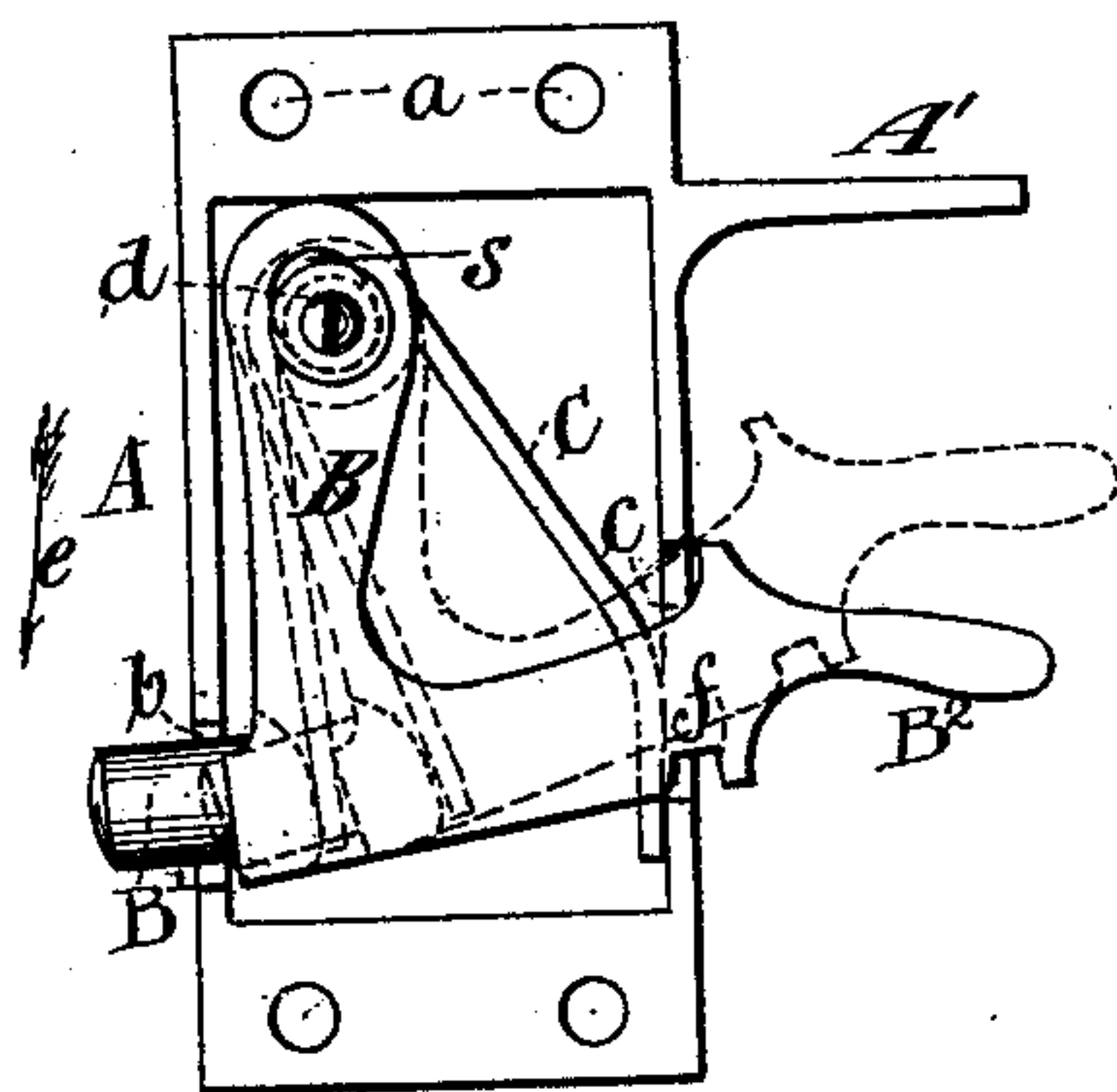
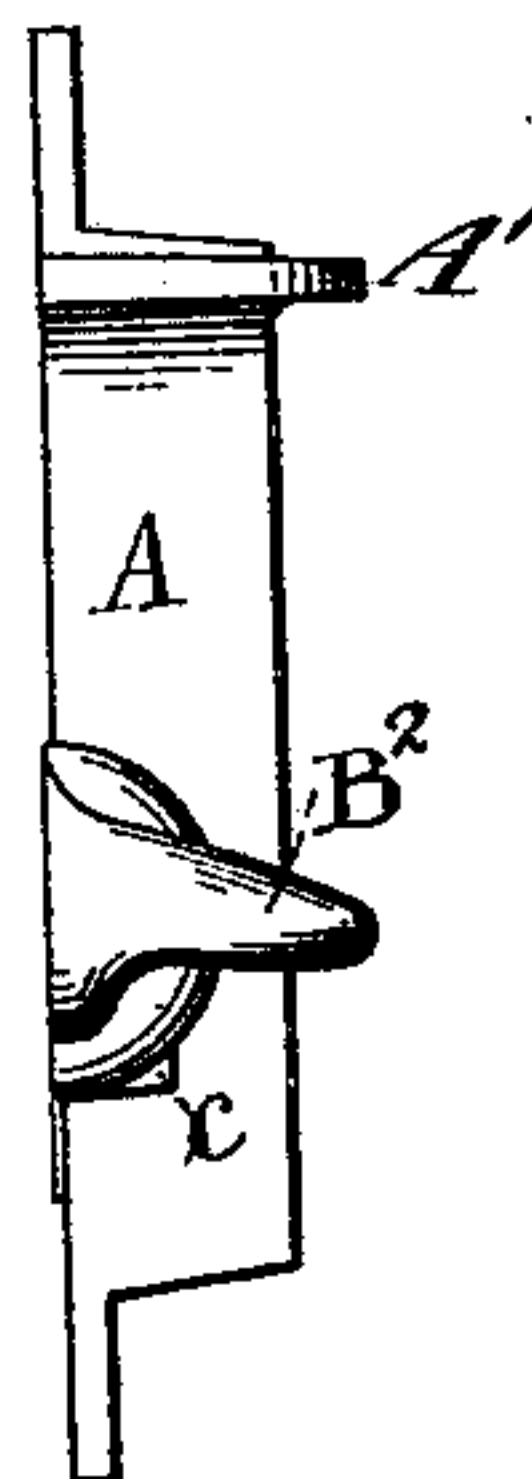


Fig. 3.



Witnesses:-

*Louis M. Holikhead.*

*Geo. H. Hayes*

Inventor:-

*Addison V. Sanford*  
*by his Attorneys*  
*Brown & Brown*



# UNITED STATES PATENT OFFICE.

ADDISON V. SANFORD, OF BINGHAMTON, NEW YORK, ASSIGNOR TO HIMSELF AND ORLOW W. CHAPMAN, OF SAME PLACE.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 234,071, dated November 2, 1880.

Application filed August 25, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, ADDISON V. SANFORD, of Binghamton, in the county of Broome and State of New York, have invented certain  
5 new and useful Improvements in Sash-Holders, of which the following is a specification.

My invention relates to sash-holders especially adapted for the windows of railway-cars, but also adapted to other windows; and the  
10 object is to obtain a sash-holder of simple construction which will serve to hold the window open, and also to lock it when closed.

To this end the invention consists in the combination, in a sash-holder, of a case adapted  
15 to be secured to the face of a window-sash, and constructed with openings in its opposite sides and a thumb or finger piece, a pivot in said case, a bolt-arm having both a swinging and a longitudinal movement on said pivot, and hav-  
20 ing projecting from opposite sides of its swinging end a bolt-nose and a thumb or finger piece, which protrude through the openings in said case, and also having a notch to engage with one edge of that opening in the case through  
25 which the said thumb or finger piece protrudes, to hold the bolt-arm against accidentally swinging. The bolt-nose is adapted to engage with the window casing or frame, while the thumb or finger piece affords convenient provision for  
30 moving the bolt-arm longitudinally to free the notch from the case, and for swinging it upon its pivot to draw in the bolt-nose. I also preferably combine with the above a spring for moving the bolt-arm to cause the bolt-nose  
35 to engage with the casing or frame to lock the window.

In the accompanying drawings, Figure 1 represents an inside face view of my improved sash-holder, showing the parts in their locked  
40 position. Fig. 2 represents a view similar to Fig. 1, except that the bolt-arm has been moved longitudinally to disengage its notch from the case, and it also represents, in dotted outline, the position of the bolt-arm and  
45 appurtenances when swung into position to unlock the sash; and Fig. 3 represents an edge view of the sash-holder.

Similar letters of reference designate corresponding parts in all the figures.

A designates a case, which is provided with  
50 screw-holes *a*, for the reception of screws to attach it to a window-sash, and the open side of which is closed by securing it upon such sash. The case is constructed with a thumb or finger piece, *A'*, and with openings *b c* in  
55 its opposite sides, the object of which will be presently explained. Projecting from the inner side of the case is a pin or pivot, *d*.

B designates a bolt-arm secured at one end to the pivot *d*, and adapted to be swung back  
60 and forth within the case. From one side of the swinging end of said bolt-arm projects a bolt-nose, *B'*, which protrudes through the opening *b* in the case, and from the opposite side of said swinging end projects a thumb or  
65 finger piece, *B<sup>2</sup>*, which protrudes through the opening *c* in the case.

When the case is secured to the face of a sash the bolt-nose *B'* is adapted to engage with stops upon or in the window-casing or  
70 frame and hold the sash when raised, and by applying the thumb and finger to the thumb or finger pieces *A' B<sup>2</sup>* the bolt-nose may be withdrawn and the sash lowered.

To cause the bolt-nose to engage automati-  
75 cally with the stops upon the casing or frame, I employ a spring, *C*, coiled around the pivot *d*, and one end of which engages with the bolt-arm, while the other end is held against the  
80 case.

It is obvious that if the sash-holder were secured to a sash and employed to prevent the raising of the sash any force exerted upon the sash to raise it would act upon the bolt-arm  
85 *B* in the direction of the arrow *e*, and that such a force would be very apt to swing the bolt-arm and unlock the sash unless means are taken to prevent this.

In order to prevent the bolt-arm from being so swung, I make the hole *s*, which fits upon  
90 the pivot *d*, slightly elongated, so that the bolt-arm may be afforded a longitudinal movement, and in the lower portion of the thumb or finger piece *B<sup>2</sup>* is a notch, *f*, which is  
95 adapted to engage with the edge of the opening *c* in the case, and thus locks the bolt-arm securely against swinging unless it is first moved longitudinally. The first pressure ex-



erted upon the thumb or finger piece B<sup>2</sup> raises the bolt-arm sufficiently to disengage the notch *f* from the case, and a continued pressure swings the bolt-arm and draws the bolt-nose B' within the case to unlock the sash.

By my invention I provide a sash-holder which may be very conveniently applied to a window-sash, and which may be made to hold the sash against being raised as well as to hold it against falling when raised.

Heretofore night-latches have been made in which the locking-bolt has been slotted to permit it to swing and at the same time move longitudinally, and such I disclaim; and a sash-fastener has been constructed of a casing having in its opposite sides apertures, a swinging bolt being pivoted in the casing, and having a nose projecting through the opening in one side of the casing and a thumb-piece projecting through the opening in the opposite

side of the same. Such, broadly, I do not claim; but

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

In combination with the casing A, provided with the openings *b* and *c* and having the pivot *d* fixed within it, the locking-bolt consisting of the horizontal bolt-nose B', the horizontal thumb-piece B<sup>2</sup>, having the locking-notch *f*, and the vertical arm B, formed at its upper end with the elongated slot *s*, through which the fixed pivot passes, and on which the locking-bolt is capable of a combined swinging and longitudinal movement, all as herein shown and described.

ADDISON V. SANFORD.

Witnesses:

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