(No Model.)

J. D. HOPKINS.

SASH HOLDER.

No. 421,714. Patented Feb. 18, 1890.

Fig. 1.

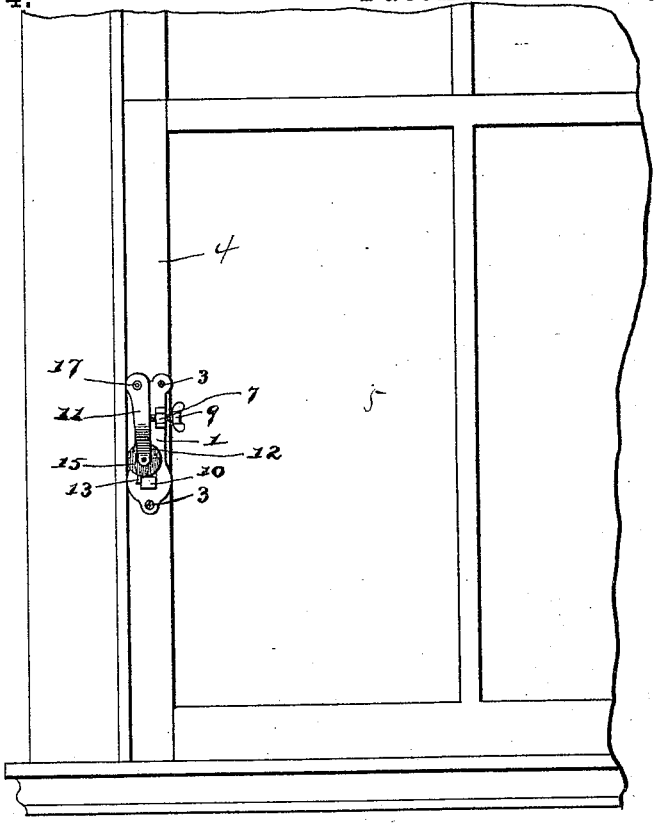


Fig. 2.

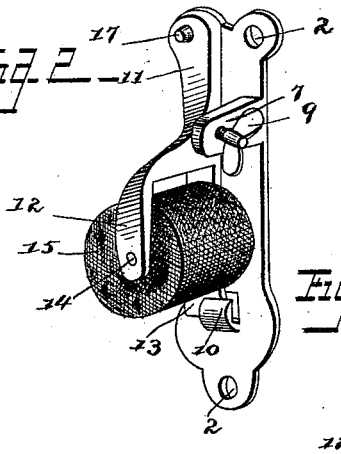


Fig. 3.

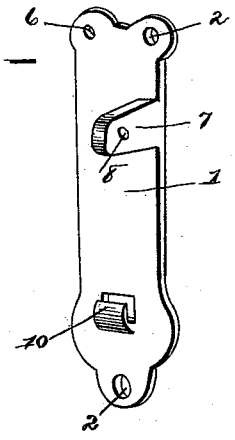
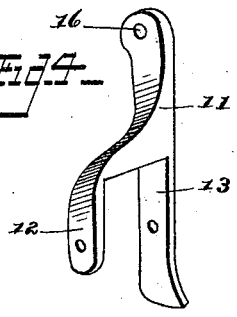


Fig. 4.



Witnesses:

David P. Wolthausler.

W. S. Lyon

Inventor

James D. Hopkins

By his Attorneys

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

JAMES D. HOPKINS, OF MIDWAY, KENTUCKY.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 421,714, dated February 18, 1890.

Application filed October 25, 1889. Serial No. 328,134. (No model.)

To all whom it may concern:

Be it known that I, JAMES D. HOPKINS, a citizen of the United States, residing at Midway, in the county of Woodford and State of Kentucky, have invented a new and useful Sash-Holder, of which the following is a specification.

This invention has relation to sash-holders, and among the objects in view are to provide a cheaply-constructed, simple, and efficient holder and means for adjusting the same in order to counteract wear of the frictional holding device.

With these general objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 represents an inner view of a window frame and sash, the latter provided with a holder constructed in accordance with my invention. Fig. 2 is a detail in perspective of a holder; Fig. 3, a detail of the securing-plate; Fig. 4, a similar view of the roller hanger or support.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the securing-plate, which is provided at its upper and lower ends with screw-receiving openings 2, through which are passed screws 3, employed for securing the plate to the side rail 4 of the sash 5. The plate 1 may be of any desired shape best adapted for the purpose, and is also provided with a perforation 6 at its upper end, and at its inner edge near its center with a forwardly-projecting lug 7, having a threaded opening or perforation 8, for the reception of an adjusting-screw 9. The lower end of the plate 1 is provided with an offset L-shaped lug 10.

11 represents the friction device suspension-arm, and the same is bifurcated at its lower end, forming opposite bearing-arms 12 and 13, in which, upon a shaft 14, is journaled a rubber roller 15. The upper end of the suspension device or hanger is perforated, as at 16, and through the same and the opening in the upper end of the plate 1 is inserted a rivet 17. The adjusting-screw passing through the perforated lug bears upon the arm, and the lower end of the inner bifurcation or arm 13 terminates in the L-shaped lug or keeper and is guided and maintained in close relation to the plate 1 thereby.

The operation of my invention will be readily apparent from the above description, in that by operating the set-screw the rubber friction-roll is forced more or less against the window-bead and impinges upon the same, thus supporting the sash at any elevation. A similar holder is applied to the upper sash, but upon the outside of the same, in order that it may offer no obstructions to a complete raising of the lower sash or a passing of the two sashes by each other.

Having described my invention, what I claim is—

1. The herein-described sash-holder, consisting of the securing-plate having a perforated lug at one side provided with a set-screw and a lower L-shaped lug, and an arm pivoted at its upper end to the plate and operated by the set-screw, and engaged at its lower end in the L-shaped lug and provided with a rubber roller, substantially as specified.

2. The herein-described sash-fastener, consisting of a plate adapted to be secured to a sash, an arm pivoted at one end to the plate, a roller mounted on the free end of the arm, a perforated lug projecting from said plate, and a set-screw threaded in the perforation and terminating against the arm to press the roll into contact with the sash-frame, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JAMES D. HOPKINS.

Witnesses:

A. S. BRANHAM,

S. B. UTTERBACK.