(No Model.)

H. W. DENHAM.

SASH HOLDER.

No. 603,783. Patented May 10, 1898.

Fig. 1.

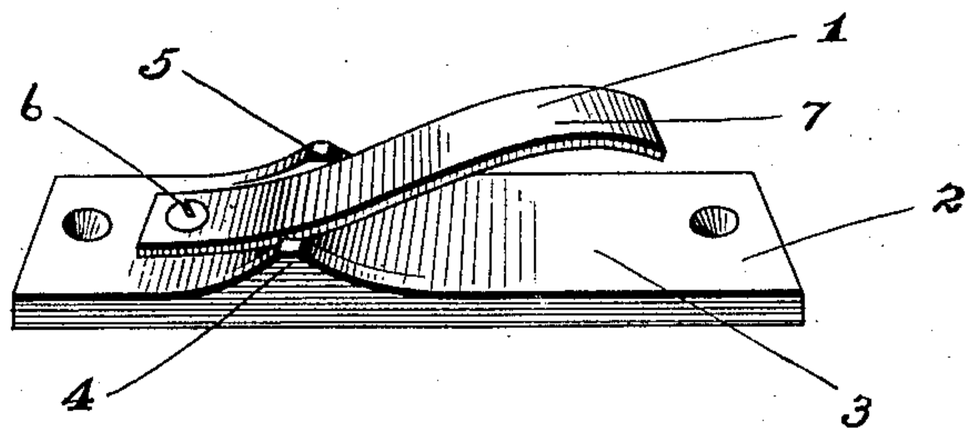


Fig. 2.

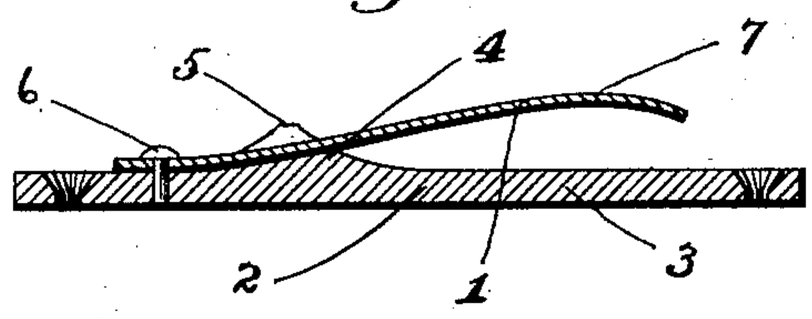
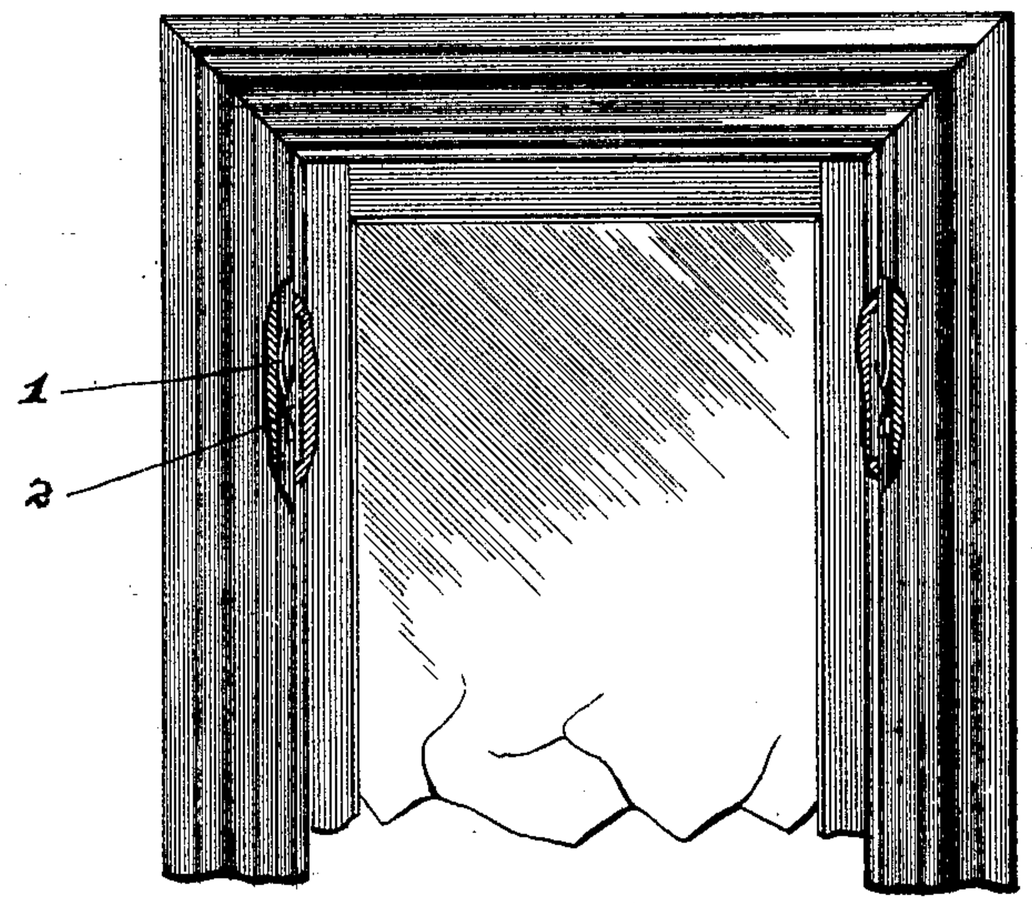


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

HOWARD W. DENHAM, OF BRONSON, FLORIDA, ASSIGNOR OF ONE-HALF TO H. BENJAMIN LLOYD, OF SAME PLACE.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 603,783, dated May 10, 1898.

Application filed December 29, 1896. Renewed August 23, 1897. Serial No. 649,242. (No model.)

To all whom it may concern:

Be it known that I, HOWARD W. DENHAM, a citizen of the United States, residing at Bronson, in the county of Levy and State of Florida, have invented certain new and useful Improvements in Sash-Supports; 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.

This invention relates to sash-holders; and the object in view is to dispense with weights, cords, &c., and provide a simple and efficient spring-holder which may be readily applied to a sash or window-casing, so as to hold one or both of the sashes in any position in which the same may be placed.

The invention consists in an improved sash-holder embodying certain novel features and details of construction and arrangement of parts, as will be hereinafter fully described, illustrated in the drawings, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the improved sash-holder. Fig. 2 is a longitudinal section through the same. Fig. 3 is a front elevation of a window-sash, showing the improved holders applied thereto.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

The improved sash-holder contemplated in this invention consists of two parts, one part being a spring (indicated at 1) and the other part consisting of a base or plate 2, having the spring secured thereto and adapted to be applied either to a sash or to the window-frame, but preferably to the sash.

It is preferred to employ two of the sash-holders, the same being applied to the sash upon opposite sides thereof, as shown in Fig. 3. The base or plate 2 is oblong in form and has one plain surface 3, the other surface being provided at a point intermediate the ends of the plate with a raised projection or transverse rib 4, having reversely-sloped sides. This transverse rib 4 is provided at its ends and adjacent to the side edges of the plate 1 with projecting nibs 5, which form spaced opposing shoulders, the space between said shoulders being just sufficient to receive the spring 1 and to abut against the side edges of said spring for preventing the latter from shifting or moving laterally. The spring 1 consists of a flat strip of steel, and one end thereof is secured to the plate 2 upon one side of the transverse rib 4, being secured to the plate 2 by a screw 6, which is located between the extremity of the spring and rib 4, the said screw passing through the spring 1 and into the plate or base 2, so that by tightening or loosening said screw the free end of the spring may be moved away from the base or plate 1 for increasing the tension or binding effect of the spring. The free end of the spring is curved inward toward the plate 1 to present a rounded bearing-surface 7 for contacting with the adjacent window-casing, the same being adapted to slide frictionally thereon. The plate or base 1 is provided at or near its ends with openings 8 for the screws or other fasteners by which the holder is attached to the window sash or frame, as the case may be.

From the foregoing description it will be seen that I have provided a very simple and efficient sash-holder which will maintain the sash in any desired elevation. It will also be apparent that by means of the screw 6 the spring may be adjusted for regulating its tension to agree with the weight of the sash to which the holder is applied. In applying the holder the plate or base 1 is set into a recess in the side bar of the sash or in the casing, so that the outer face of said plate will lie flush therewith. By means of the improved holder the usual weights, cords, &c., are dispensed with.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. The herein-described sash-holder, consisting of a base or plate having an offset or projection on one side, a spring secured to said plate at one side of said offset or rib and projecting at its free end on the opposite side of said rib, and a fastener passing through said spring between one end thereof and said rib, whereby the tension of the spring may be regulated, substantially as described.

2. The herein-described sash-holder, com-

prising a plate provided upon one side with a transverse rib and having spaced nibs or projections at the ends of said rib forming shoulders for engaging the side edges of a spring, a spring secured at one end of said plate upon one side of said rib and projecting at its free end on the opposite side of said rib, and a screw passing through said spring and into the plate and located at a point intermediate the fixed end of the spring and said rib, whereby in the adjustment of said screw the tension of the spring may be regulated, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HOWARD W. DENHAM.

Witnesses:

IRA J. CARTER,

P. M. COLSON.