(No Model.)

F. HAUPT.

SASH HOLDER.

No. 393,368. Patented Nov. 27, 1888.

Fig. 1.

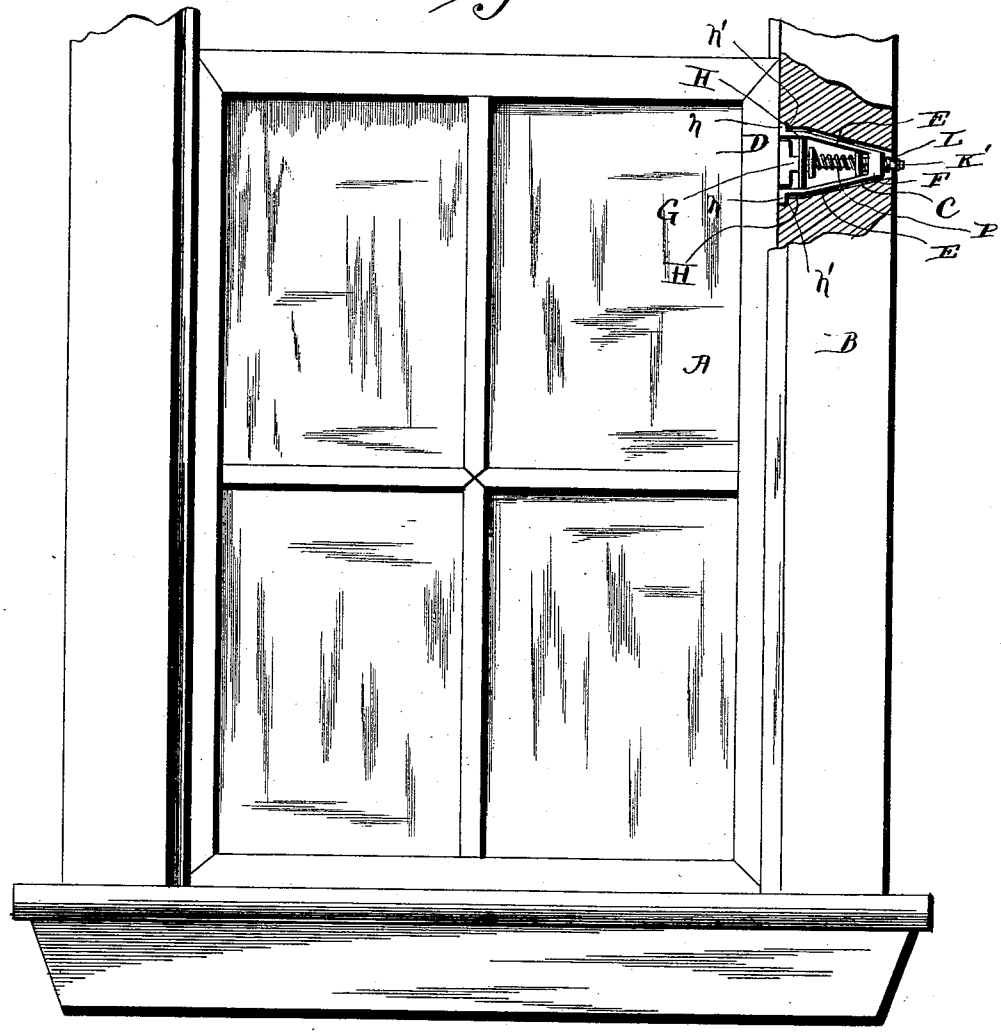
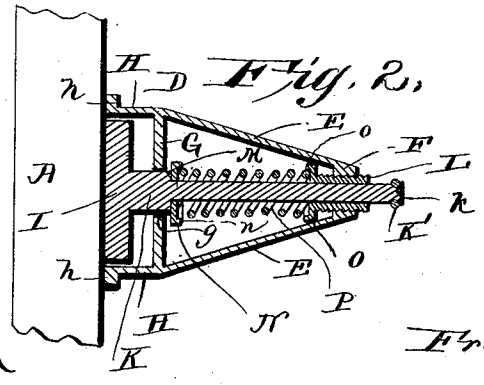


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

FREDERICK HAUPT, OF WOODBURY, NEW JERSEY.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 393,368, dated November 27, 1888.

Application filed September 17, 1888. Serial No. 285,646. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK HAUPT, a citizen of the United States, residing at Woodbury, in the county of Gloucester and State of New Jersey, have invented new and useful Improvements in Sash-Holders, of which the following is a specification.

My invention relates to improvements in sash-holders; and it consists in a certain novel construction and combination of devices, fully set forth hereinafter, in connection with the accompanying drawings, and specifically pointed out in the appended claim.

In the drawings, Figure 1 is a view of a window frame and sash, partly broken away to show the application of the holder. Fig. 2 is a detail sectional view of the holder on the line *x x* of Fig. 1.

Referring by letter to the drawings, A designates the sash, which is arranged in the frame B, having a mortise, C, in one side, and in the said mortise is arranged a frame, D, which comprises the convergent arms E E, having their outer ends connected by the yoke F, which is bored and screw-threaded, the vertical bar G, which connects the arms near their inner ends, and is provided with a central opening, *g*, registering with the opening in the yoke, and the parallel extensions H H of the convergent arms, which are provided at their inner ends with ears *h h*, bearing in notches *h' h'* at the upper and lower sides of the mortise in the frame.

I represents the follower or rubber, which is arranged in the inner end of the frame D in such a position as to bear against the edge of the sash, and it is provided with a shank, K, which passes through the opening *g* in the transverse bar G, and also through the bore of an exteriorly-threaded sleeve, L, which fits in the threaded bore of the yoke. The outer end of the said shank is provided with a peripheral groove, *k*, in which is arranged a ring, K', of pliable wire, to prevent the shank from being withdrawn accidentally from the sleeve L. When it is desired to remove the follower or rubber, this ring must be previously removed. The portion of the shank which operates in the opening *g* is enlarged, as shown at M, to form a shoulder, and N represents a plate or disk which is arranged on the reduced portion of the shank and bears against this shoulder. The plate or disk is provided with a peripheral outwardly-extending flange, *n*, for a purpose hereinafter explained. O represents a similar plate or disk on the inner end of the threaded sleeve L, and it is provided with a peripheral inwardly-extending flange, *o*, similar to that on the plate or disk N.

P represents a spring, which is coiled on the shank between the said plates or disks and bears at its ends thereon, whereby the follower or rubber is normally pressed inward against the edge of the sash. To adjust the tension of the spring to suit different weights of sashes, the threaded sleeve is screwed either in or out.

The advantages of this device are its simplicity, lightness, ready adaptability to any window, and ease of operation and adjustment.

Having described the invention, I claim—

In a sash-holder, the combination of the frame D, provided with the side arms, E E, connected at their outer ends by the yoke provided with a threaded opening and at their inner ends by a transverse bar provided with a guide-opening, *g*, the follower or rubber provided with a shank operating in the said guide-opening, the exteriorly-threaded sleeve arranged in the threaded opening in the yoke and receiving the outer end of the shank of the follower or rubber, the flanged plate or disk bearing against a shoulder on the shank, and the spring coiled on the shank and bearing at one end against the said plate or disk and at the other end against the end of the threaded sleeve, substantially as specified.

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

FREDERICK HAUPT.

Witnesses:
RION M. WARE,
FRANK BREWER.