(No Model.)

P. MOTLEY.

SASH HOLDER.

No. 487,934. Patented Dec. 13, 1892.

FIG 1

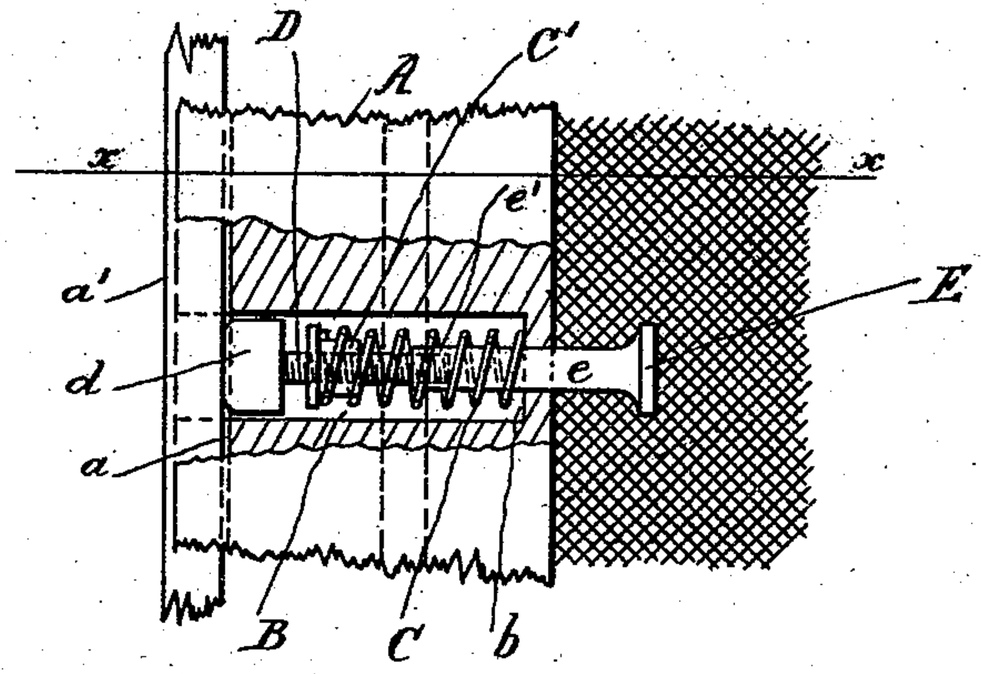
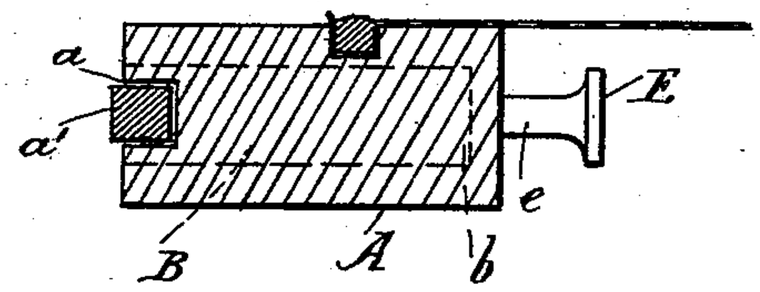


FIG 2



Witnesses
Herbert W. Jenner.
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By his Attorney
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UNITED STATES PATENT OFFICE.

PETER MOTLEY, OF PHILADELPHIA, PENNSYLVANIA.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 487,934, dated December 13, 1892.

Application filed June 9, 1892. Serial No. 436,090. (No model.)

To all whom it may concern:

Be it known that I, PETER MOTLEY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sash-Holders; 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 it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the device, showing the frame partly in section. Fig. 2 is a cross-section through the frame, taken on the line *x x* in Fig. 1.

A is a part of the frame of a wire-screen for a window. This frame is provided with a groove *a*, which slides on the guide *a'*, secured to the stationary frame of the window. The device is equally applicable to window-frames which hold glass and to frames which are not provided with grooves.

B is a recess bored in the frame A, and C is a spiral spring placed in the said recess and adapted to push against the bottom *b* of the recess. A screw-threaded bush C' is driven into the front end of the spring C, so that it is held tightly by the coils of the spring.

D is a screw which engages with the said bush, and *d* is the head of the screw, which projects from the recess B and is pressed by the spring against the guide *a'*. The frame is prevented from rattling and is supported in its raised position by the pressure of the head *d* against the guide. The pressure of the spring is adjusted by turning the screw in the bush.

When the holder is attached at the extreme top or bottom of the frame, the head *d* is turned to adjust the screw; but when the holder is placed in a middle position in the frame a thumb-knob E may be used. The shank *e* of the thumb-knob passes through a hole in the bottom of the recess B from the inside of the frame and is provided with a screw-threaded recess *e'*, which engages tightly with the end of the screw D. The pressure of the spring may be regulated by turning the screw by means of the thumb-knob, and the head may be drawn back by pulling the thumb-knob to permit the frame to be raised without any resistance except that due to its own weight.

This device is extremely simple and can be manufactured in large quantities at a very small cost.

What I claim is—

In a sash-holder, the combination, with the frame provided with a recess, of a spiral spring arranged in the said recess next to the material of the frame and pressing against the bottom of the recess, a screw-threaded bush driven into and gripped by the front end coils of the spring, a screw engaging with the said bush and provided with a head projecting from the front of the recess and adapted to be revolved to vary the pressure of the said spring, and a thumb-knob provided with a shank passing through the bottom of the recess from the rear of the spring and screwed upon the end of the said screw, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

PETER MOTLEY.

Witnesses:
PHILIP D. NEUKUMET,
PATRICK MOTLEY.