(No Model.)

J. M. GRUBB.

SASH HOLDER.

No. 395,894. Patented Jan. 8, 1889.

Fig. 1.

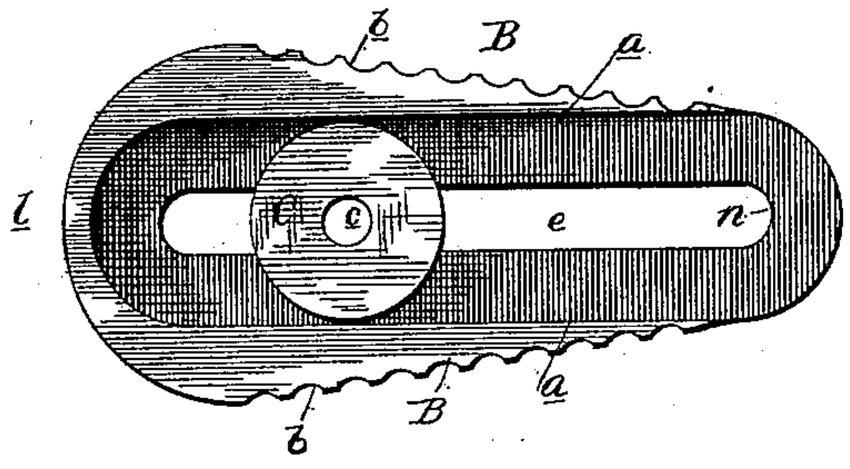


Fig. 2.

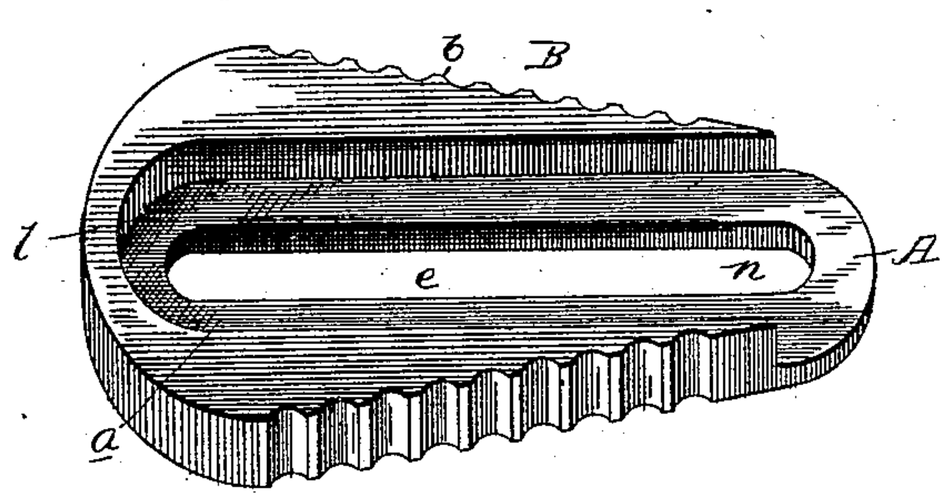
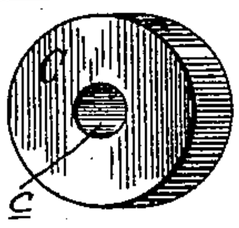


Fig. 3.



WITNESSES

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SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 395,894, dated January 8, 1889.

Application filed June 22, 1888. Serial No. 277,937. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. GRUBB, a citizen of the United States, residing at Ironton, in the county of Lawrence and State of Ohio, have invented certain new and useful Improvements in Sash-Holders; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a new and improved sash-holder, the objects of which are to supply a cheap, simple, and effective device for holding a window-sash up or down; to be attached to either the right or left side of the window; to work without friction, except when holding the window up or down, and hence with a minimum amount of wear. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front plan view of my holder. Fig. 2 is a perspective view of the same, and Fig. 3 is a perspective view of the wheel.

Similar letters refer to similar parts throughout the drawings.

In the drawings, A represents the holder, having a slot, *e*, running through it longitudinally, bordered by wedge-shaped sides B, continuing around the broader end in a circular rim, *l*, and terminating as wedges a little short of the end of the holder at the narrow end, which construction forms a groove open at the narrow end, having parallel sides *a* on the inner sides and corrugated edges *b* on the outer sides. In this groove works a wheel, C, which is held to place by a screw which passes through a hole, *c*, in the wheel, and also through the slot *e* in the holder, the slot *e* being wider than the diameter of the screw-shank, so that the holder travels up and down without wear against the screw. The screw, after passing through the wheel and confining it by the head of the screw, (but not so tightly as to prevent it revolving,) is screwed into the sash, and thus the holder is attached to its place. The screw is not shown in the drawings in place, for the reason that the relative parts of the device seem to be more clear for comprehension without it.

The outer wedge-shaped edges of the holder are corrugated, as at *b*, so that a better and firmer grip is had upon the inside of the window-casing. I design to make my holder of any suitable material, as brass, cast-iron, or the like.

The operation of my holder is as follows: I screw the holder onto either side of the sash in the manner heretofore indicated, taking care not to drive the screw so far into the sash as to prevent the wheel from working freely in the groove of the holder, and having the broader end of the holder uppermost. Now raise the window, then release it, and the wheel on the screw will ride up the groove until the broadening edge of the wedge between the slot and the window-casing arrests the downward movement of the sash and holds it securely. The harder it is pulled downwardly the firmer it is held in place. To release the window for the purpose of lowering it, first raise it slightly, then turn the holder on the screw outwardly, so that the broad end has a reversed position, and the sash glides down to its place. While being raised the wheel lies in the open end of the groove and the screw bears against the end of the slot, (indicated by *n*,) so that the periphery of the wheel engages the window-casing, in which case it acts as a friction-wheel. Now leave the holder in its reversed position, press the wedged side up as far as possible between the screw-shank and the window-casing, and you have a holder that prevents the window from being raised. Thus it is seen that my holder is adapted for the right or left side of a window-sash and also adapted to hold the sash either at any elevated point possible or to hold it from being elevated at all, four functions attaching to one holder.

Having now described my holder, that which I claim as new, and desire to secure by Letters Patent, is—

The within-described article of manufacture, consisting of a window-sash holder

having semicircular ends of different diameters, a central longitudinal slot, *e*, the raised parallel internal side walls, *a a*, the corrugated external walls, *b*, converging toward the smallest end of the holder, and a wheel, C, adapted for use between the said walls *a a*, as specified.

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

JOHN M. GRUBB.

Witnesses:
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