

J. W. & W. W. WHARF.  
Sash-Holder..

No. 205,455.

Patented June 25, 1878.

Fig. 1.

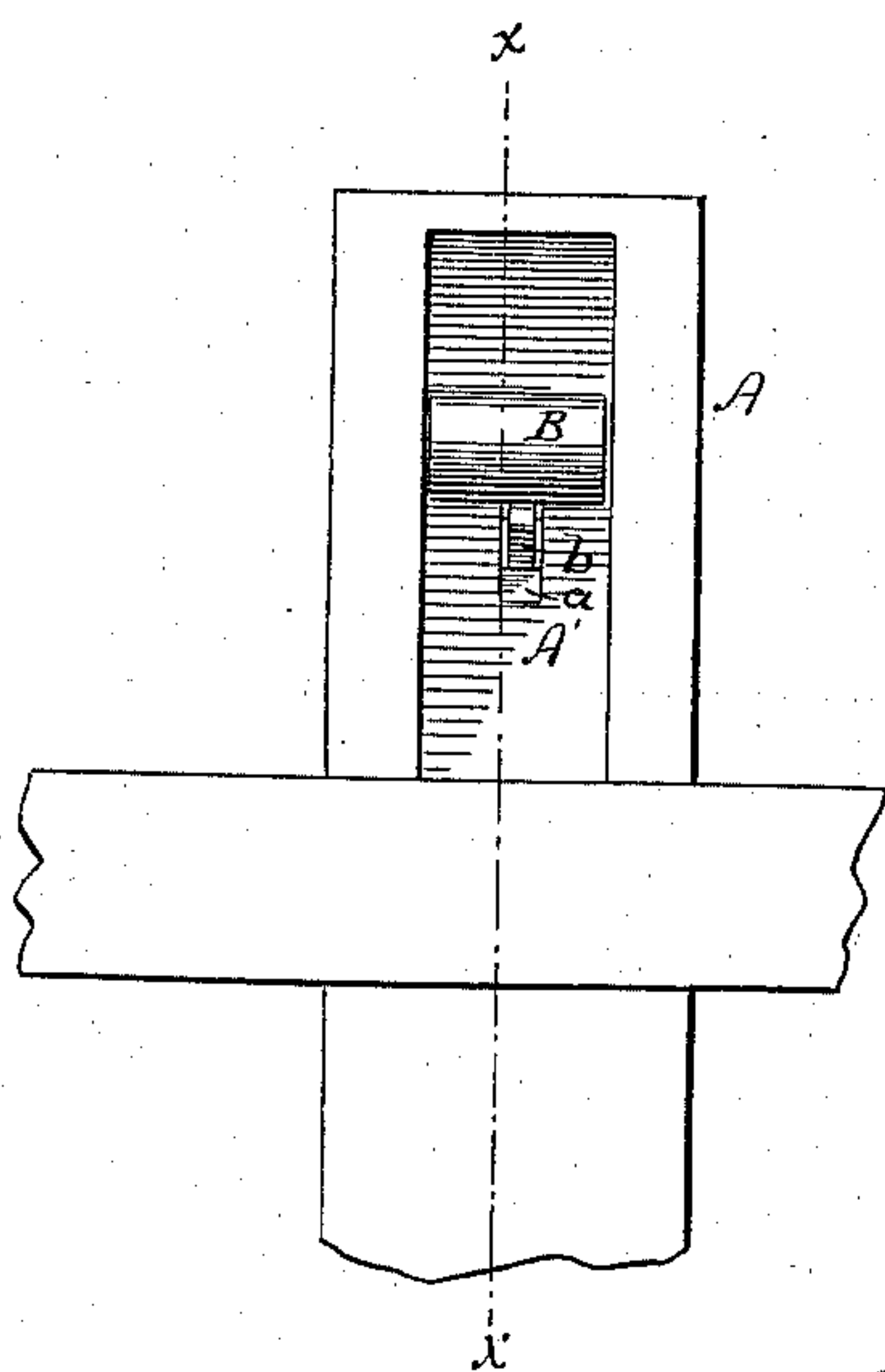


Fig. 2.

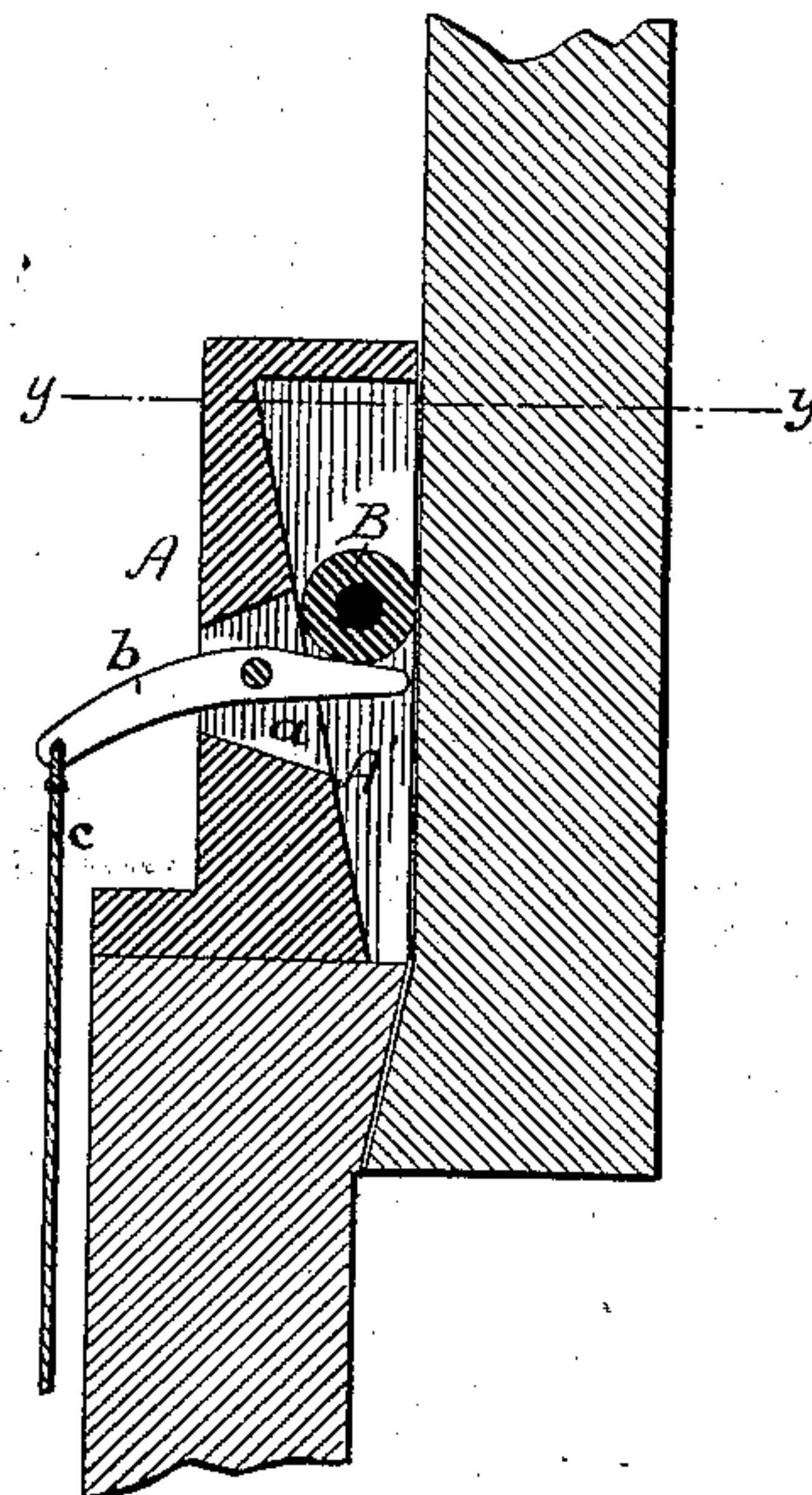
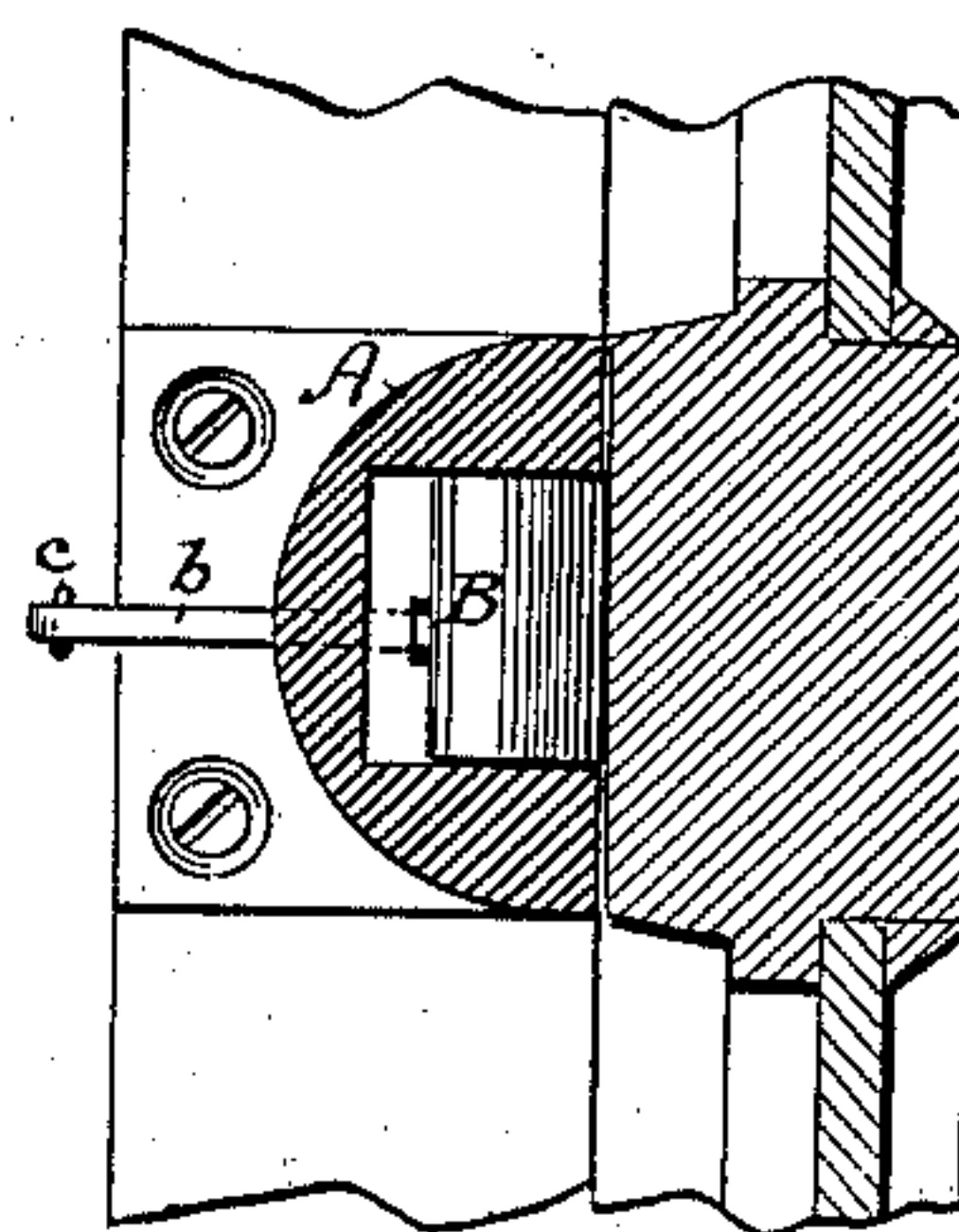


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

JAMES W. WHARF AND WILLIAM W. WHARF, OF DETROIT, MICHIGAN.

## IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **205,455**, dated June 25, 1878; application filed May 9, 1878.

*To all whom it may concern:*

Be it known that we, JAMES W. WHARF and WILLIAM W. WHARF, both of Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Sash-Holders, of which the following is a specification:

Our invention consists in a sash-holder the case of which is constructed with an inclined wedging inner face, against which moves a roller, a lever being pivoted in the case with its inner end below such roller, by which it can be forced upwardly to unlock the sash.

In the accompanying drawing, forming a part of this specification, Figure 1 is a rear elevation of the holder; Fig. 2, a vertical section on the line *xx*, Fig. 1; and Fig. 3, a cross-section on the line *yy*, Fig. 2, looking downwardly.

Like letters denote corresponding parts.

A is the case of the holder, having its inner face *A'* inclined inwardly in a downward direction. In the case A is placed the roller B, made of proper material. This roller works up and down on this inclined face, the back of the case opposite this face being left open, so that the roller, as it moves down on the face, will project beyond the sides of the case, and when pushed up on the face *A'* will be withdrawn within the case.

A slot, *a*, is cut through the front of the

case, within which is pivoted a lever, *b*, the inner end of which rests below the roller.

The sash will be locked at any desired point by the wedging of the roller in the chamber of the case A; and when it is desired to disengage the roller to move the sash, the same is forced up the incline into the wider part of the chamber by the lever *b*.

This sash-holder can be secured to the window-frame and the roller engaged with the side stile of the sash, or vice versa, or the holder can be secured to the top of the lower sash and slide on one of the stiles of the upper sash. In the last case the lever *b* would be connected to a cord, *c*, so that the roller could be operated when the holder is raised out of reach.

What we claim as our invention is—

The sash-holder described, wherein are combined the case A, having its inner face *A'* inclined inwardly in a downward direction, the loose roller B, contained by the case, and the lever *b*, pivoted in the case with its inner end below the roller and not connected thereto, substantially as described and shown.

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Witnesses:

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