

J. W. Megaw,

Sash Holder.

No. 112,268.

Patented Feb. 28. 1871.

Fig. 1.

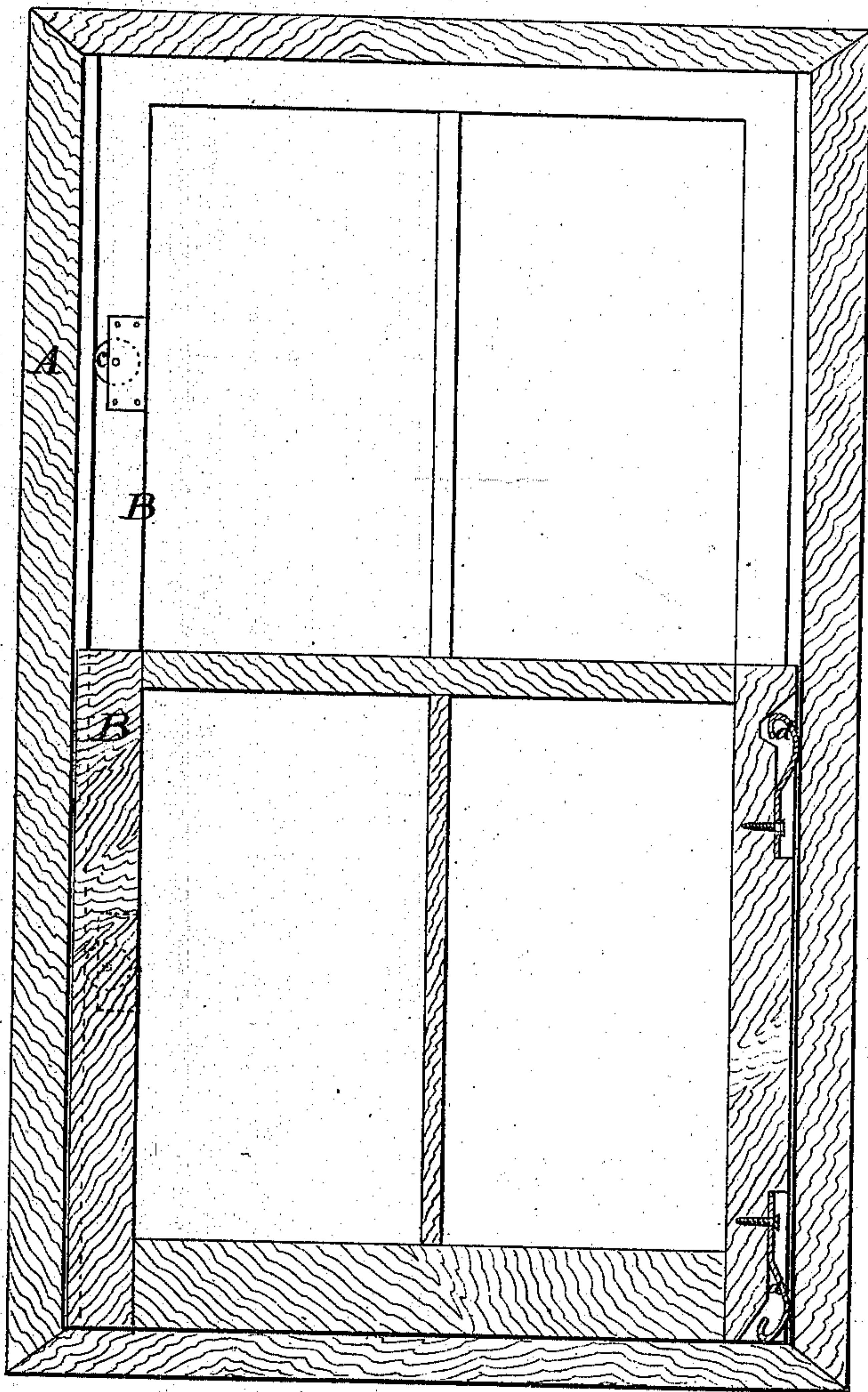
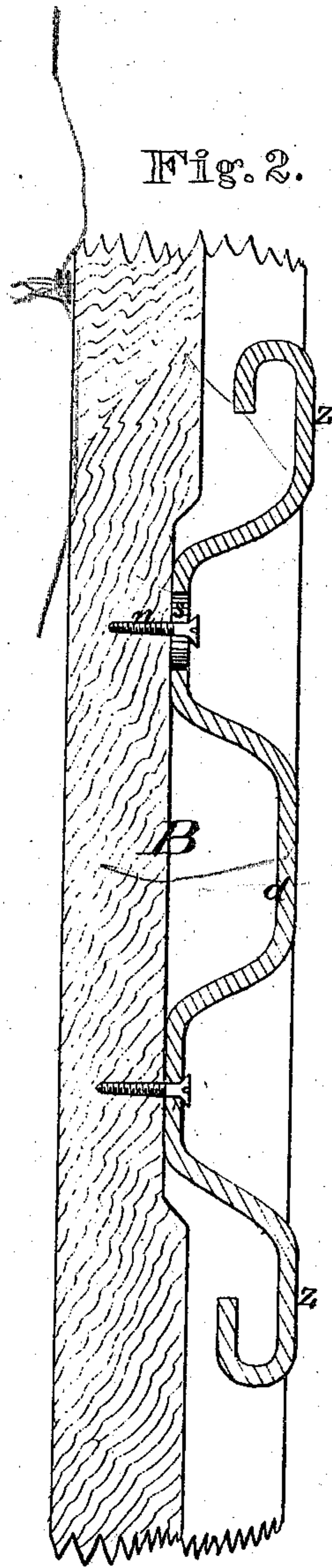


Fig. 2.



Witnesses.

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JOSEPH W. MEGAW, OF WILMINGTON, DELAWARE.

Letters Patent No. 112,268, dated February 28, 1871.

IMPROVEMENT IN SASH-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOSEPH W. MEGAW, of Wilmington, in the county of New Castle and State of Delaware, have invented a new and valuable Improvement in Sash-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention.

Figure 2 exhibits a modification of the spring.

My invention relates to sash-holders, and consists in the construction and novel arrangement of a spring on one side of the sash, in combination with an arrangement of rollers on the other side, whereby the sash becomes fixed at any height to which it may be raised.

The letter A of the drawing represents the window-frame.

B designates the window-sash, provided with a roller, C, on one side, in the manner shown. The sash is recessed for the introduction of the roller.

At the other side of the sash is attached the spring or springs *d*.

Either one or two springs may be employed for each sash. If two springs are used they are placed at each end of the sash, as exhibited at fig. 1. If a single spring is employed it is situated at the center of the

side of the sash, and should have several bearings. Such a spring is shown at fig. 2. It is secured to the sash by a screw at one end, the other end being free to extend itself longitudinally.

This spring is formed in the shape of a W, and has a bearing, *z*, at each end.

The free end of the spring is slotted, to allow of extension in the direction of its length.

This end of the spring is confined to the sash by means of the pin *n*, passed through the slot *s*.

In moving the sash it should be compressed toward the spring side. This will give the pulley freedom of action, and decrease the friction sufficiently to allow the sash to move easily.

Instead of a single roller, several may be used on one side of the sash. Where a single spring is opposed it is advantageous to employ two rollers, one at each end of the sash.

What I claim as my invention, and desire to secure by Letters Patent, is—

The W-shaped spring *d*, attached to the window-sash firmly at one end, and slotted at *s* to receive the pin *n*, and forced against the sash by the rollers on the opposite side, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

Witnesses:

JOSEPH W. MEGAW.

GEO. MCCALL,

GEO. H. WALTER.