

J.S. McGlumphy,

Sash Holder.

No. 10,486.

Patented Apr. 5, 1870.

Fig: 1

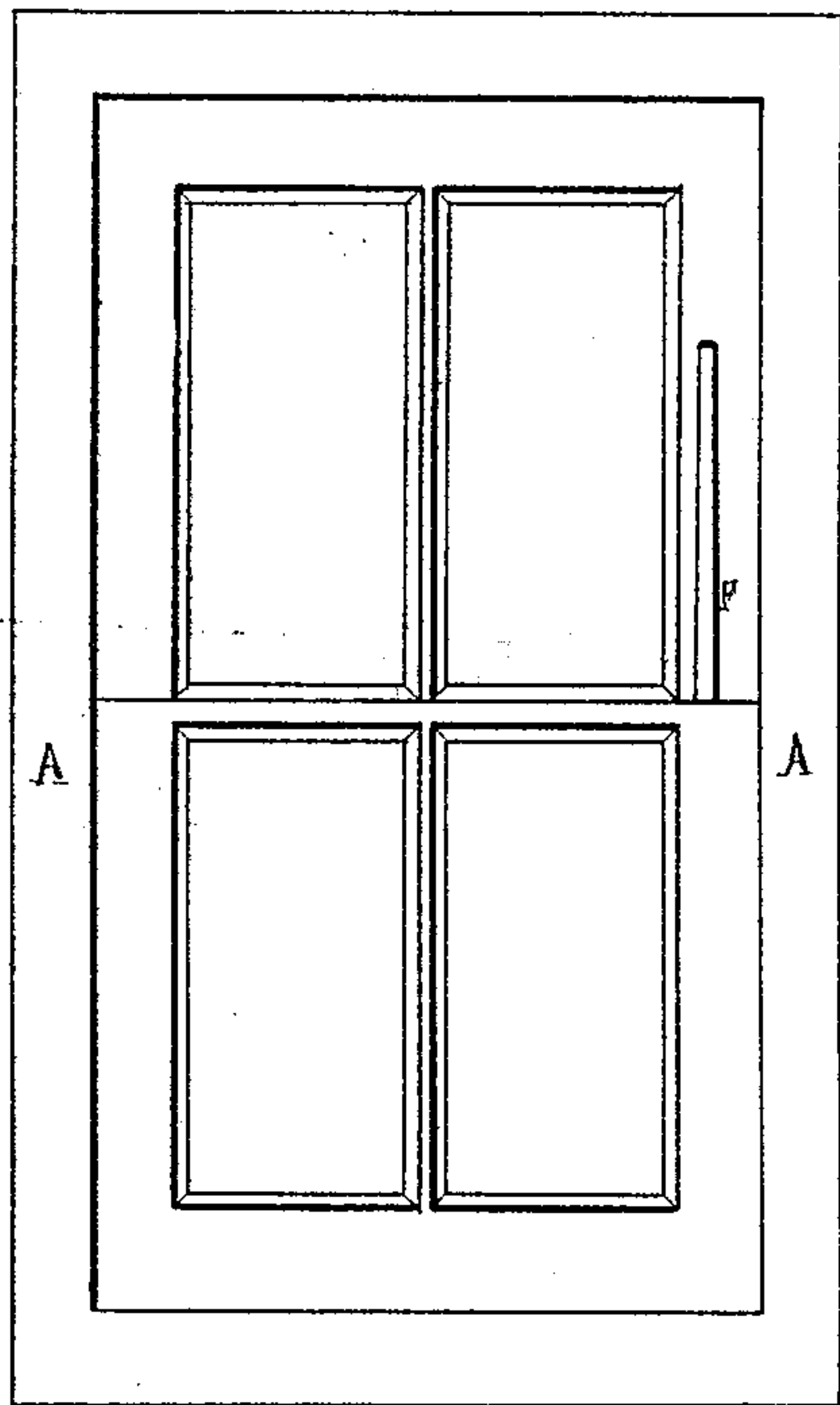


Fig: 2

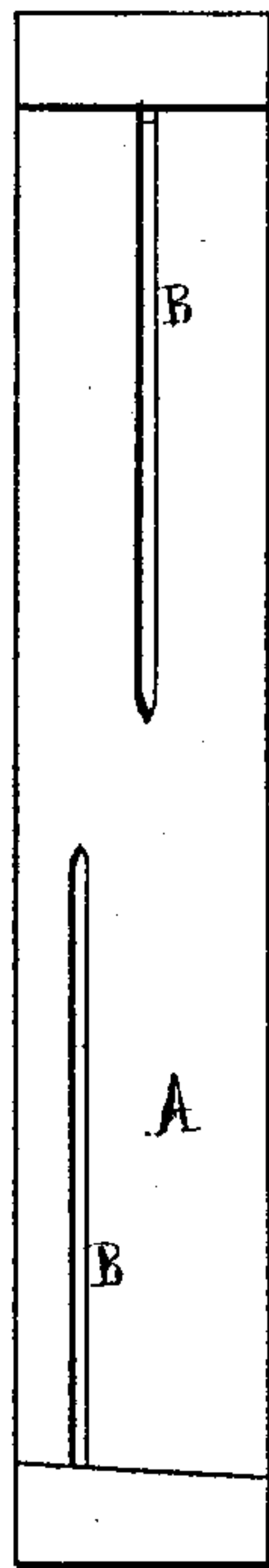


Fig: 4

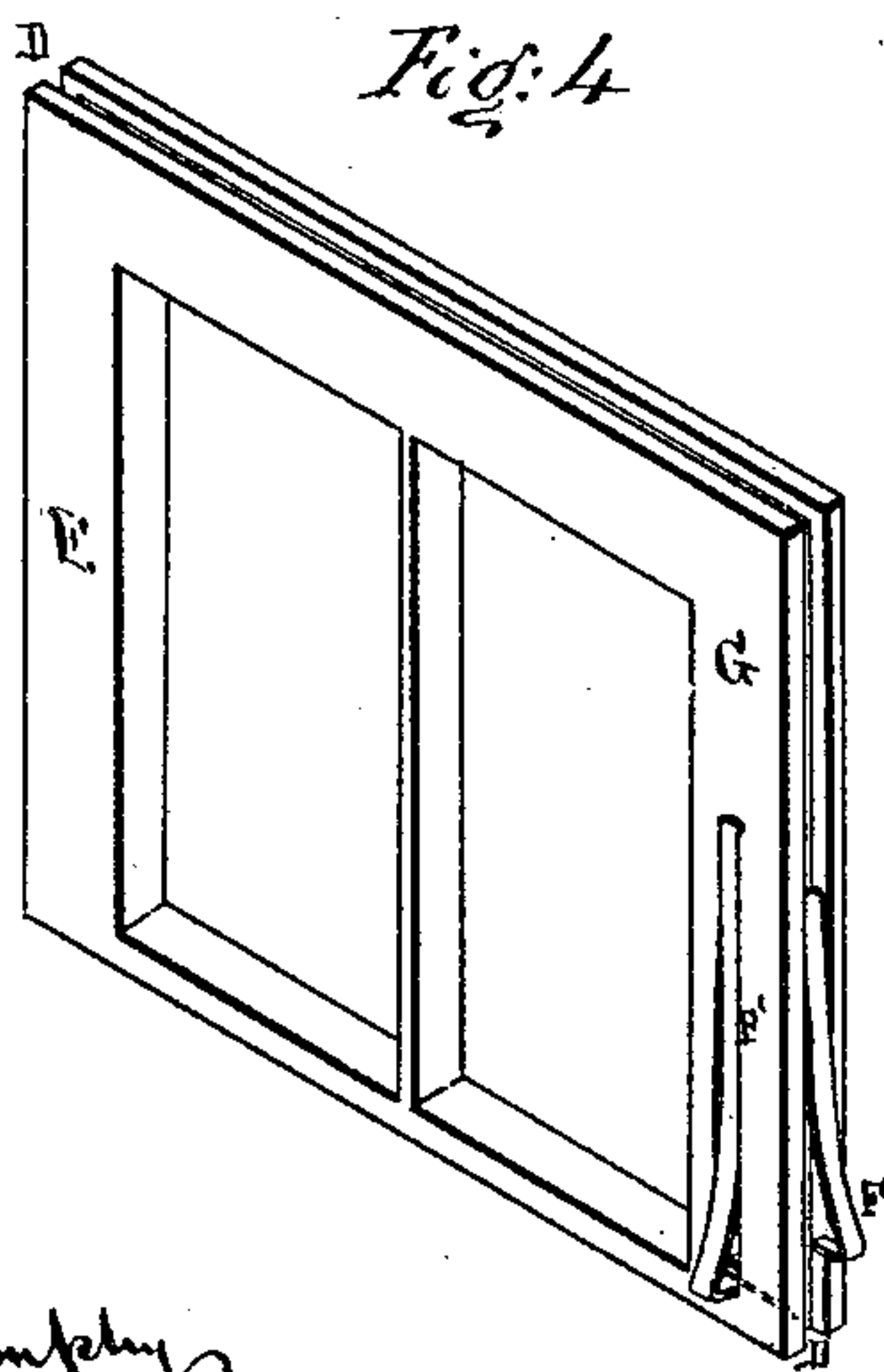
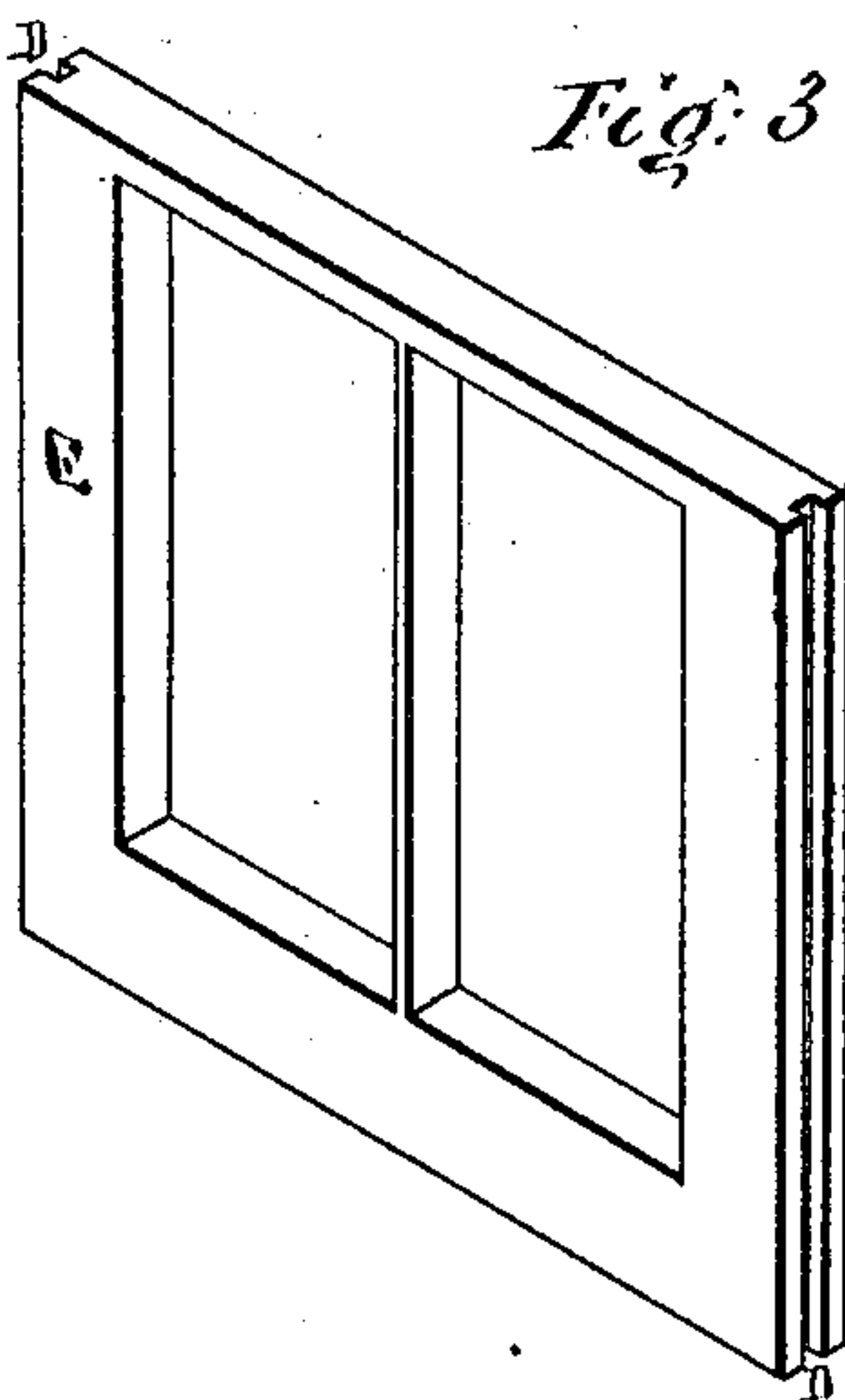


Fig: 3



*Witnesses
J.C. Robbins
A.M. Callum*

*John S. McGlumphy
by Ed. Whitman
Attorney*

United States Patent Office.

JOHN S. McGLUMPHY, OF WIND RIDGE, PENNSYLVANIA.

Letters Patent No. 101,486, dated April 5, 1870.

IMPROVED SASH-FASTENER.

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

Be it known that I, JOHN S. McGLUMPHY, of Wind Ridge, in the county of Greene and State of Pennsylvania, have invented a new and useful Improvement in Sash-Fasteners and Adjusters, and that the following description, taken in connection with the accompanying plate of drawings hereinafter referred to, form a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to secure by Letters Patent.

My invention relates to the sashes and frames of windows, and consists in certain modifications in the details of the same, whereby the sashes may be securely locked when closed, in such a manner as to resist extraneous pressure, or hold in position when raised, lowered, or occupying any intermediate situation, by means of springs attached to the same, and so arranged that the said sashes may be removed from the window or frame with facility.

In the accompanying plate of drawings, which illustrates my invention and forms a part of the specification thereof—

Figure 1 is a front elevation of the window-sash and frame.

Figure 2 is a side elevation of the frame, showing the guides upon which the sashes run;

Figure 3 is a view of the lower sash; and

Figure 4 is a view of the upper sash and the springs attached thereto.

Upon the sides A of the frame are secured the guides B, consisting of wooden strips screwed or bolted to the said sides.

The said guides are of such a size as to fit the grooves D of the sashes E, and of a length a little less than that of the groove D, in order to allow the said sashes to be removed with facility.

Within the groove D of upper sash E is secured the spring F.

A similar spring, F', is also attached to the side G of the said upper sash, slots being cut in the said sash of a suitable size for the reception of the said springs.

The operation of my invention is as follows:

The grooves D of the sashes having been fitted over the guides B, the upper sash is raised and the lower sash caused to descend until the window is closed, and the sashes firmly locked in position by the spring F', which catches over the top of the lower sash.

The upper sash is held in any intermediate position by the elastic pressure of the springs F and F'; and the sashes are respectively or conjointly held in any position by means of the pressure and the leverage thereby caused.

When it is desirable to remove the upper sash from the frame, the same may be displaced with the greatest facility, by lowering it until the grooves D are clear of the guides B.

The lower sash may be removed in a manner analogous.

Thus, by the construction and arrangement of the parts herein described, the sashes are not only held in position without the use of any one of the many appliances which have hitherto been used for that purpose, but they may be removed with the greatest ease from the frame, by merely raising or lowering the sash.

Having thus described my invention, I will indicate what I claim and desire to secure by Letters Patent in the following clause, to wit:

The spring F', so arranged on the face of the sash as to act as a friction-support when the sashes are partially raised or lowered, and absolute fastening for both sashes when closed.

JOHN S. McGLUMPHY.

Witnesses:

J. HARVEY DURBIN,
A. V. DILLE.