

T. H. Burrige,

Sash Holder.

N^o 66,673.

Patented July 16, 1867.

Fig: 1.

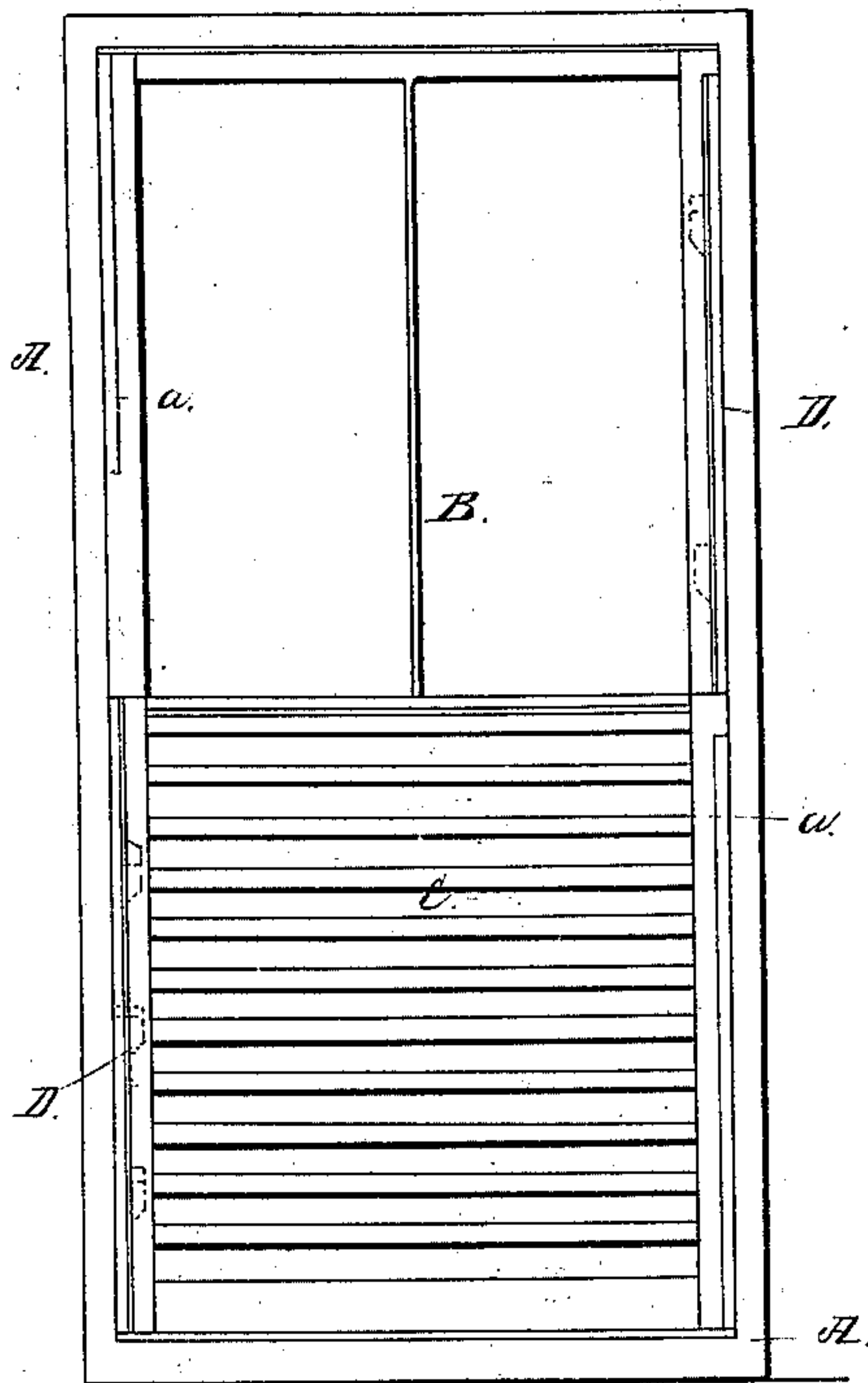


Fig: 2.

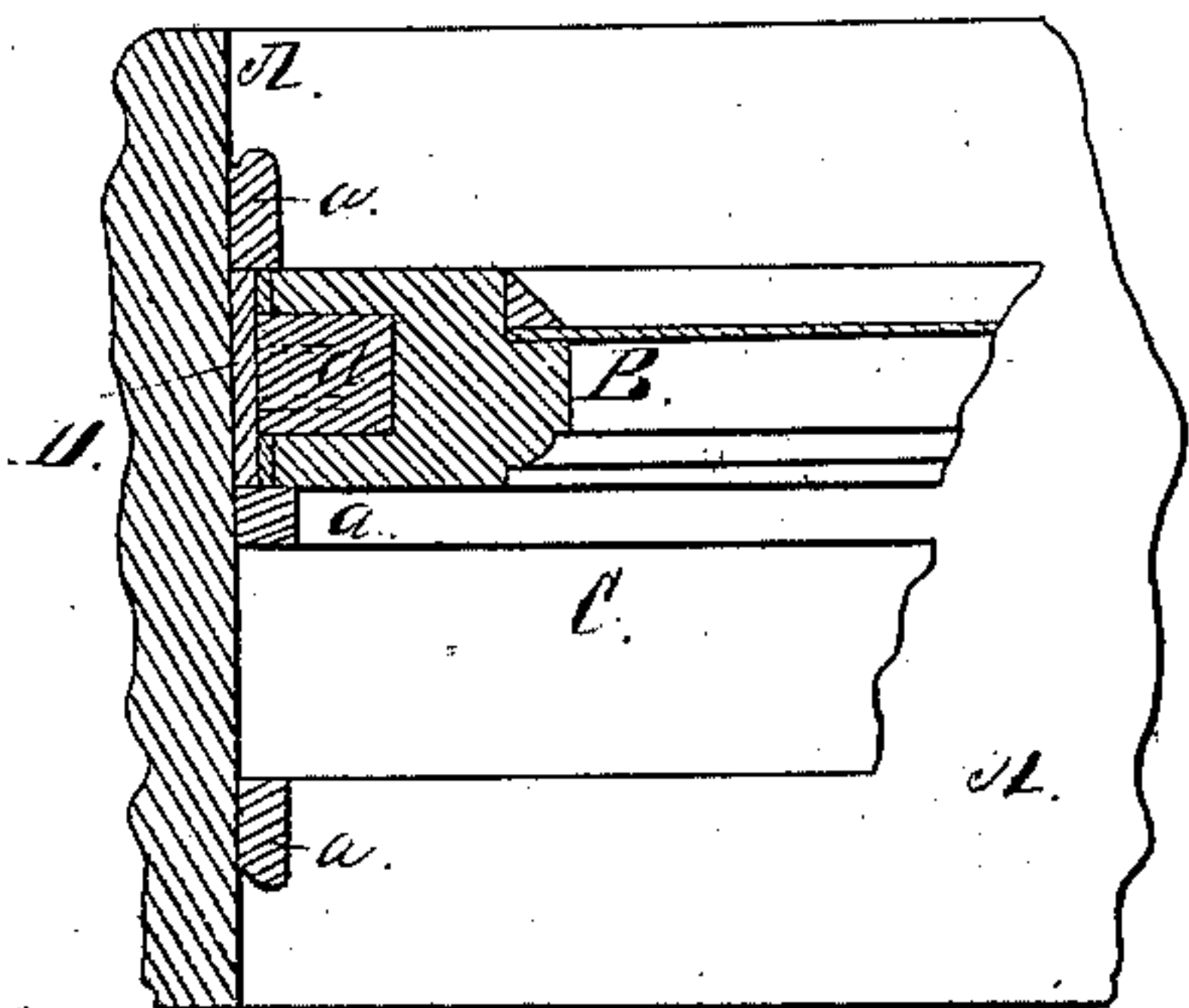
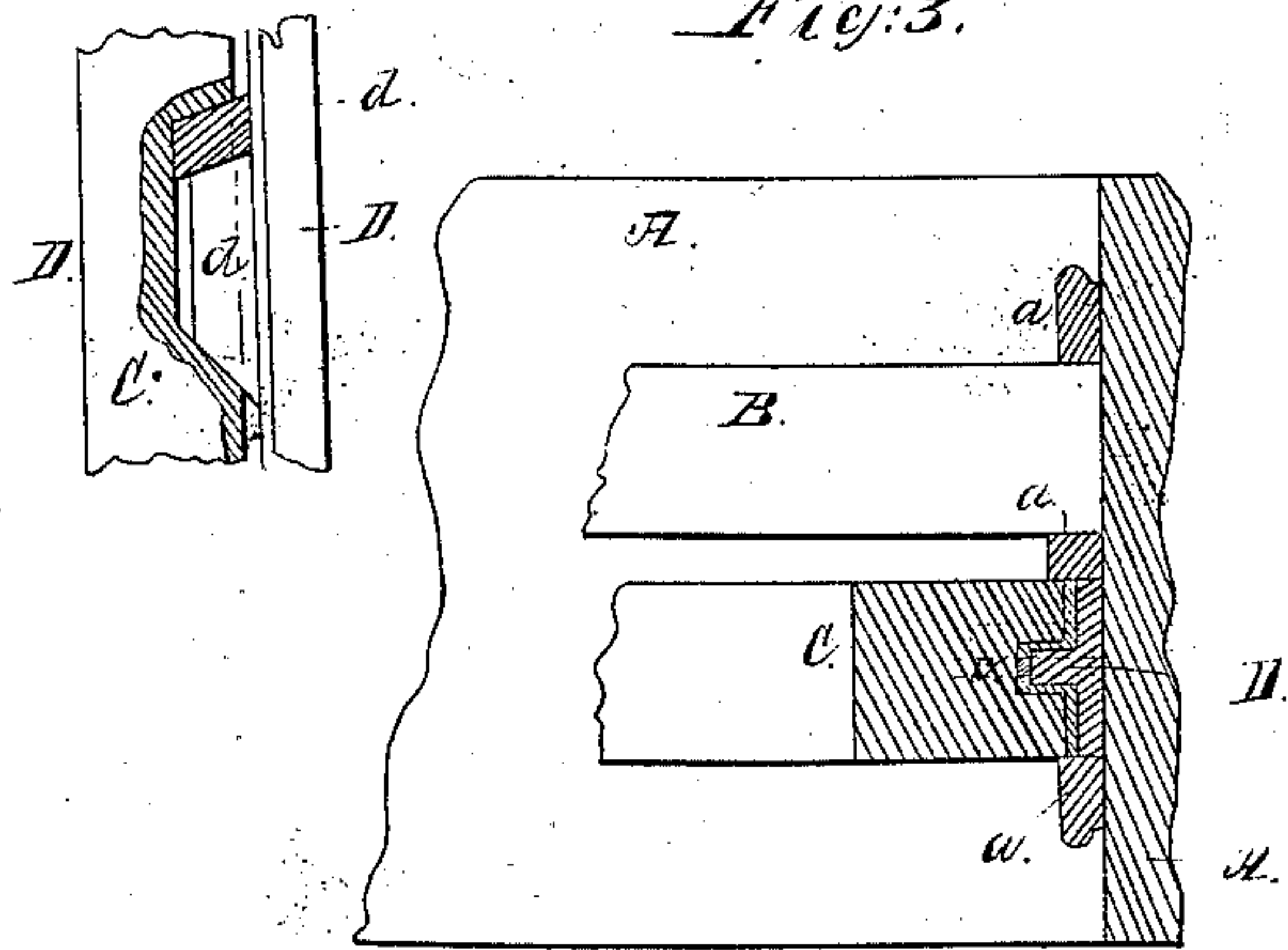


Fig: 3.



Witnesses:

M. Randolph

Chas. H. Boyle

Inventor:

Thomas H. Burrige

United States Patent Office.

THOMAS H. BURRIDGE, OF ST. LOUIS, MISSOURI, ASSIGNOR TO HIMSELF
AND G. C. FABIAN, OF SAME PLACE.

Letters Patent No. 66,673, dated July 16, 1867.

IMPROVED SASH-FASTENER.

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, THOMAS H. BURRIDGE, of the city and county of St. Louis, and State of Missouri, have invented a new and useful Improvement in Window-Sash; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 of the drawings is a sectional elevation of a window fitted with the improved sash and blind.

Figures 2 and 3 are horizontal sections of a window-frame fitted with the improved sash and blind.

The nature of this invention consists in applying to the edge of the sash a strip of wood, the length and width of which are equal to the length and thickness of the sash or blind, the said strip being let into a groove ploughed in the edge of the sash or blind-stile, and thrown out against the window-frame by means of springs, in such a manner that the entire surface of the face of said strip will press with uniform force against the pulley-stile of the window-frame in such a manner as to produce a sufficient amount of friction to hold the sash up at any point which may be desired.

To enable those skilled in the art to make and use my improved sash and blind, I will proceed to describe their construction and operation.

A represents the stile of the window-frame, and *a* the stops and parting strips which hold the sash B and blind C in place, and form the grooves for them to run in. A groove ploughed into the edge of the sash or blind-stile, as shown in figs. 2 and 3, permits the tongue of the strip D to enter therein. The strip D should be of the same length as the stile of the sash, and the width of it the same as the thickness of the sash. There are to be two or more springs *d*, of India rubber, (or some equivalent kind of springs,) interposed between the stile of the sash and the strip D, so as to press the said strip out against the stile A with equal force throughout the whole of its length. The special arrangement of these acting parts is as shown in the drawing, marked "detail," where the strip D has the trapezoidal side projections or tongues *d* entering a proper groove of the sash B or blind C, the rubber *d'*, by pressing against B (or C,) and acting on *d*, pressing the same, and with it the strip D, against the stile A. In lifting the sash or blind the tendency is to compress the spring *d'*, thus the strip D may move towards B (or C,) and the friction be decreased in proportion with the decrease of the pressure of the spring *d'*. In any case the series of springs *d'* act together and with equal force, as before stated. A uniform friction will thus be produced between the strip D and the stile A, which will be sufficient to hold the sash up at any required position, the same as cords and weights do, but at much less expense of construction. The strip D may be applied to both the upper and lower sashes of the same window, so that the window may be opened either at the top or bottom, as in the most approved manner of construction. The strip D may be confined in its vertical position (relatively to the sash or blind) by means of the projecting ends of the rails of the sash or blind, or by the pin *e* driven into the stile thereof. Either of these arrangements is to be so made as to allow free lateral motion to the strip D.

I do not claim a tongued strip D, arranged with a sash or blind grooved to receive said strip; nor do I claim the arrangement of springs with a friction strip; but what I do claim is—

The combination of a trapezoidal tongue or series of tongues *d* with the spring *d'* and the strip D, the sash or blind and the window-stile, when acting substantially as and for the purpose set forth.

THOMAS H. BURRIDGE.

Witnesses:

M. RANDOLPH,

CHAS. H. BOYLE.