

C. R. Rode,
Sash Fastener.

N^o 12,833.

Patented May 8, 1855.

Fig 1.

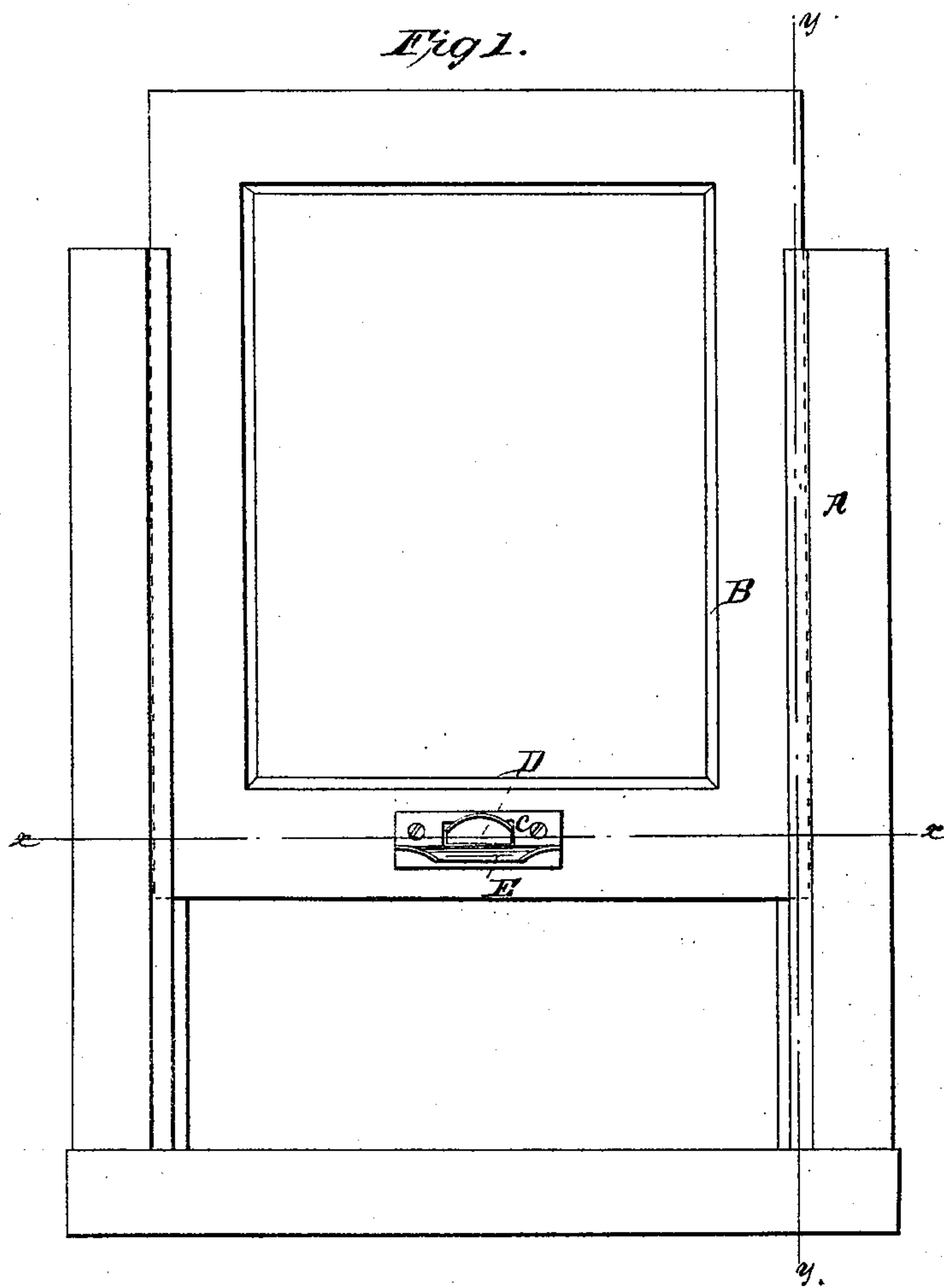


Fig 2.

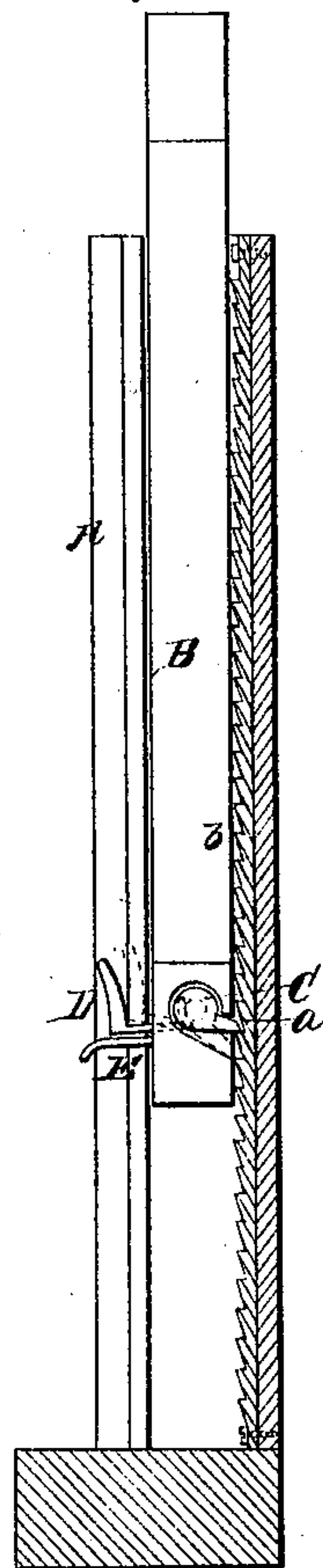
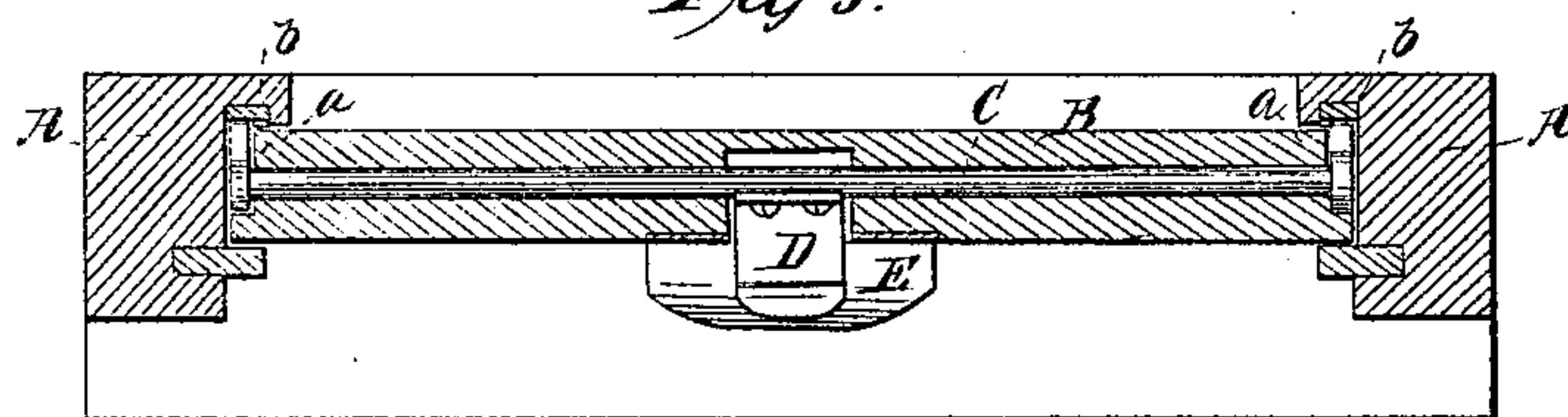


Fig 3.



UNITED STATES PATENT OFFICE.

CHARLES R. RODE, OF NEW YORK, N. Y.

SASH-SUPPORTER.

Specification of Letters Patent No. 12,833, dated May 8, 1855.

To all whom it may concern:

Be it known that I, CHARLES R. RODE, of the city, county, and State of New York, have invented a new and Improved Window-Sash Fastening; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a front view of a window sash and frame, with my improved fastening applied to it. Fig. 2, is a transverse vertical section of do., the plane of section being indicated by the line (y) (y) Fig. 1. Fig. 3, is a horizontal section of do., (x) (x) Fig. 1, showing the plane of section.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in having a shaft or rod inserted longitudinally in the lower cross pieces of the sashes and having a pawl attached to each end of the rods, said pawls catching into racks secured to the frame. The shaft or rod is provided with a thumb piece, by which it is turned and the pawls thrown from the racks when it is desired to lower the sashes.

To enable others skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the window frame, and B represents a sash fitted in grooves in the inner sides of the casing in the usual manner.

Within the lower cross piece of the sash there is inserted a longitudinal shaft or rod C having a pawl (a) attached at each end, and to the back sides of the grooves in which the sash is fitted racks (b), are attached, one to each, see Figs. 2 and 3.

To the center of the shaft or rod C there is attached a thumb piece D, which projects through a mortise or slot (c) in the lower cross piece of the sash, see Fig. 3. Underneath the thumb piece there is a metallic plate E said plate being secured to the cross piece and projecting outward a suitable dis-

tance from it. The plate E serves as a support or bearing to the fore finger of the hand while the thumb is pressed against the thumb piece in order to relieve or throw the pawls from the racks.

It will be seen that the sash may be raised by simply pushing upward the sash with the hand, and as the thumb piece will fall or rest upon the plate E the sash will be sustained by the pawls (a). To lower the sash the thumb piece is pressed upward by the thumb, as shown in red Fig. 2, and the pawls (a) are consequently freed from the racks thereby allowing the sash to descend.

One sash only is represented in the drawings, but the fastening may be applied to both sashes.

The above invention is extremely simple, and both sides of the sash are supported, a great improvement over the ordinary fastenings which are attached to one stile of the sash. The application of one hand only is required to raise and lower the sash, as the thumb piece is connected to the center of the shaft or rod C, and projects through that part of the sash where the hand is generally applied to raise it.

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

The construction of the fastening as herein shown and described, viz, Having a longitudinal shaft or rod C inserted in the lower cross piece of the sash B. A pawl (a) being attached to each end of the shaft or rod, said pawls catching into racks (b) attached to the back sides of the grooves in which the sash is fitted. The shaft or rod being provided with a thumb piece D which projects through a mortise or slot (c) in the cross piece of the sash and directly over a plate E attached to said cross piece as herein shown and described.

CHAS. R. RODE.

Witnesses:

JOS. GEO. MASON,
WILLIAM TUSCH.