

L. R. WITHERELL.
SASH-HOLDER.

No. 191,215.

Patented May 22, 1877.

Fig. 1.

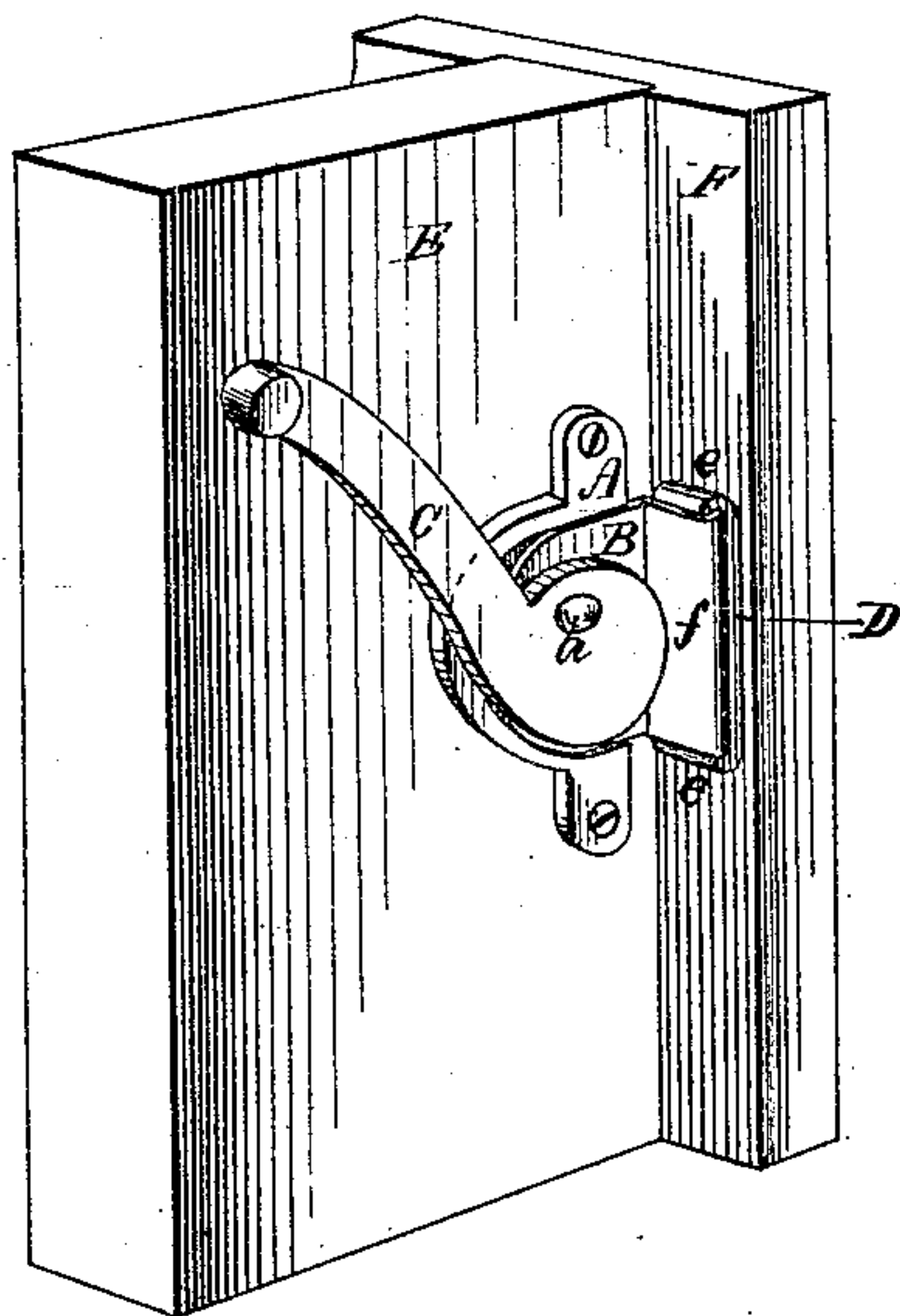


Fig. 2.

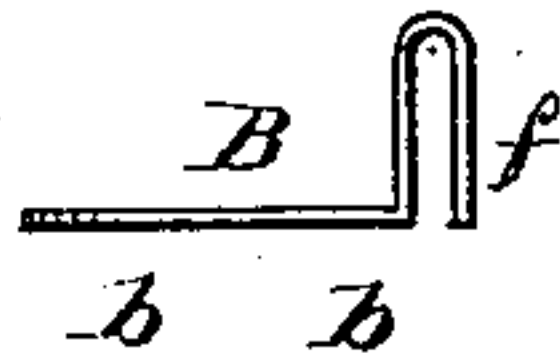


Fig. 3.

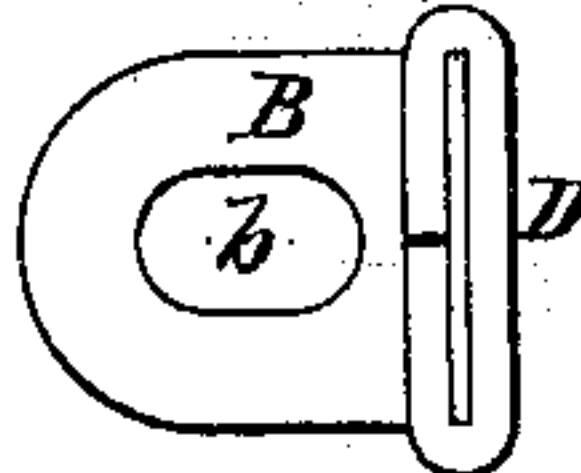


Fig. 4.

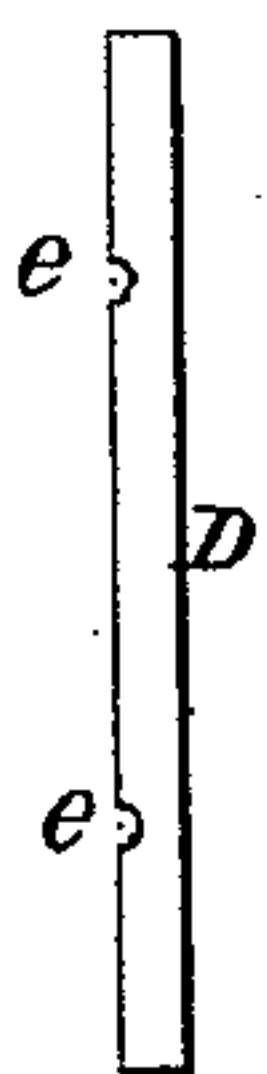


Fig. 5.

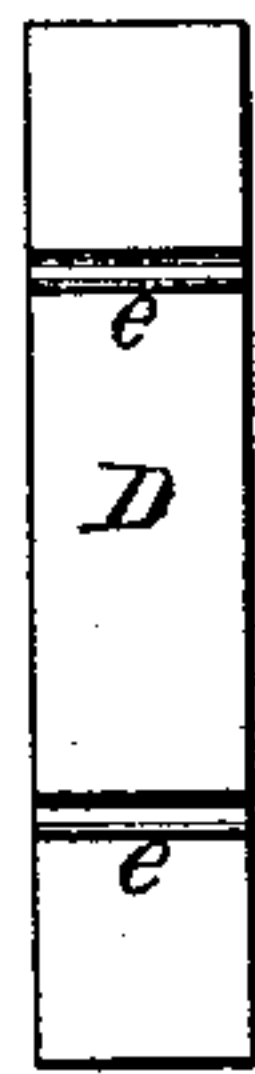
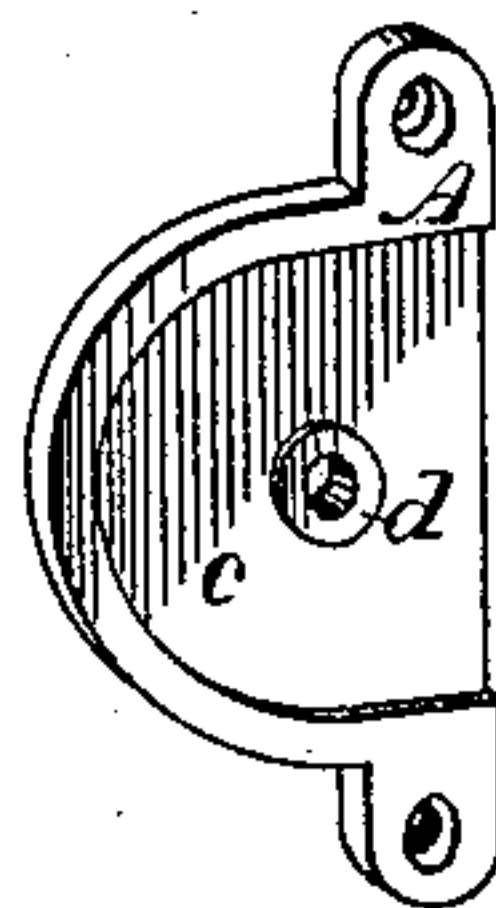


Fig. 6.



Witnesses:
H. W. Watson
J. W. Brown

Inventor
Loren R. Witherell.

UNITED STATES PATENT OFFICE.

LOREN R. WITHERELL, OF DAVENPORT, IOWA, ASSIGNOR OF ONE-HALF
HIS RIGHT TO WILLIS DOWNS, OF SAME PLACE.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **191,215**, dated May 22, 1877; application filed
March 30, 1877.

To all whom it may concern :

Be it known that I, LOREN R. WITHERELL, of the city of Davenport, State of Iowa, have invented a Window-Sash Fastener, of which the following is a specification :

The object of my invention is to supply a window-sash fastener that can be readily put on without cutting, boring, or fitting, and which will hold the window at any point without slipping, or marring the casing.

My invention consists, mainly, in a novel method of attaching the elastic facing to the bent and folded pressure-plate, as will be hereinafter more fully described and definitely claimed.

I am aware that the object has been repeatedly attempted with varying success on account of the more or less imperfect manner of attaching an elastic, soft, or yielding facing to the point of pressure, which I have successfully accomplished in the following manner, reference being had to the drawings accompanying this specification, like letters of reference indicating like parts.

Figure 1 is a perspective view of my improved sash-fastener, in which—

A is the body-piece of the fastener; B, a sliding pressure-plate; C, an eccentric lever; D, an elastic facing of rubber, felt, leather, or other soft or yielding substance attached to the pressure-plate, as hereafter more fully described, and E represents the side rail of the window-sash, and F the casing-strip of the window-frame.

The rivet *a* holds the parts together. The dotted lines *b* shows an oblong slot in the pressure-plate. A fold in the elastic facing is shown at *e e*, and a right-angle bend and fold in the pressure-plate at *f*.

Fig. 2 is a detached edge view of the pressure-plate B, showing the right-angle bend and fold which holds the elastic facing. The dotted lines *b b* show the relative position of the elongated slot of the pressure-plate.

Fig. 3 is a detached bottom view of the pressure-plate, showing the manner of fastening the facing by forcing the folded ends into the recess formed by the fold in the pressure-plate.

Fig. 4 is a detached edge view of the elastic facing, showing the notches or channels to assist in folding, the folds being made at *e e*.

Fig. 5 is a detached side view of the elastic facing, showing the notches *e e*.

Fig. 6 shows a detached inside view of the body-piece A, in which *c* is a depression for the pressure-plate to move in, and *d* a raised center on which the eccentric rests, to prevent it from crowding or bearing on the pressure-plate.

When the fastener is properly constructed and attached to the window-sash, as shown in Fig. 1, it is plain that, by pulling down the eccentric, the pressure-plate will be forced against the casing-strip, and the whole sash forced against the opposite casing, making a secure fastening at any point.

The principal feature of my invention is the novel manner of attaching the elastic facing to the pressure-plate by forcing the folded ends of the elastic facing D into the recess formed by the right-angle bend and fold *f* in such a position that the harder the eccentric presses against the pressure-plate the more firmly will the elastic facing be held in place; hence it cannot be pulled out of its position by extra force.

This method of attaching the elastic facing has also the advantage of allowing the use of the whole thickness of the same; hence it will wear longer, and is likewise easily replaced if injured or worn out.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The pressure-plate B, bent and folded, as shown at *f*, to form a recess for the ends of the notched and folded elastic facing D, substantially as shown and described, for the purpose specified.

2. The improved sash-holder herein described, consisting of the sliding, bent, and folded pressure-plate B, provided with the notched and folded elastic facing D and elongated slot *b*, the body-piece A, and the eccentric lever C, all constructed, arranged, and operating substantially as and for the purpose set forth.

LOREN R. WITHERELL.

Witnesses:

F. W. WATSON,
F. W. DOWNS.