

(No Model.)

C. D. HAYWARD.
WINDOW SASH FASTENER.

No. 335,127.

Patented Feb. 2, 1886.

Fig. 1.

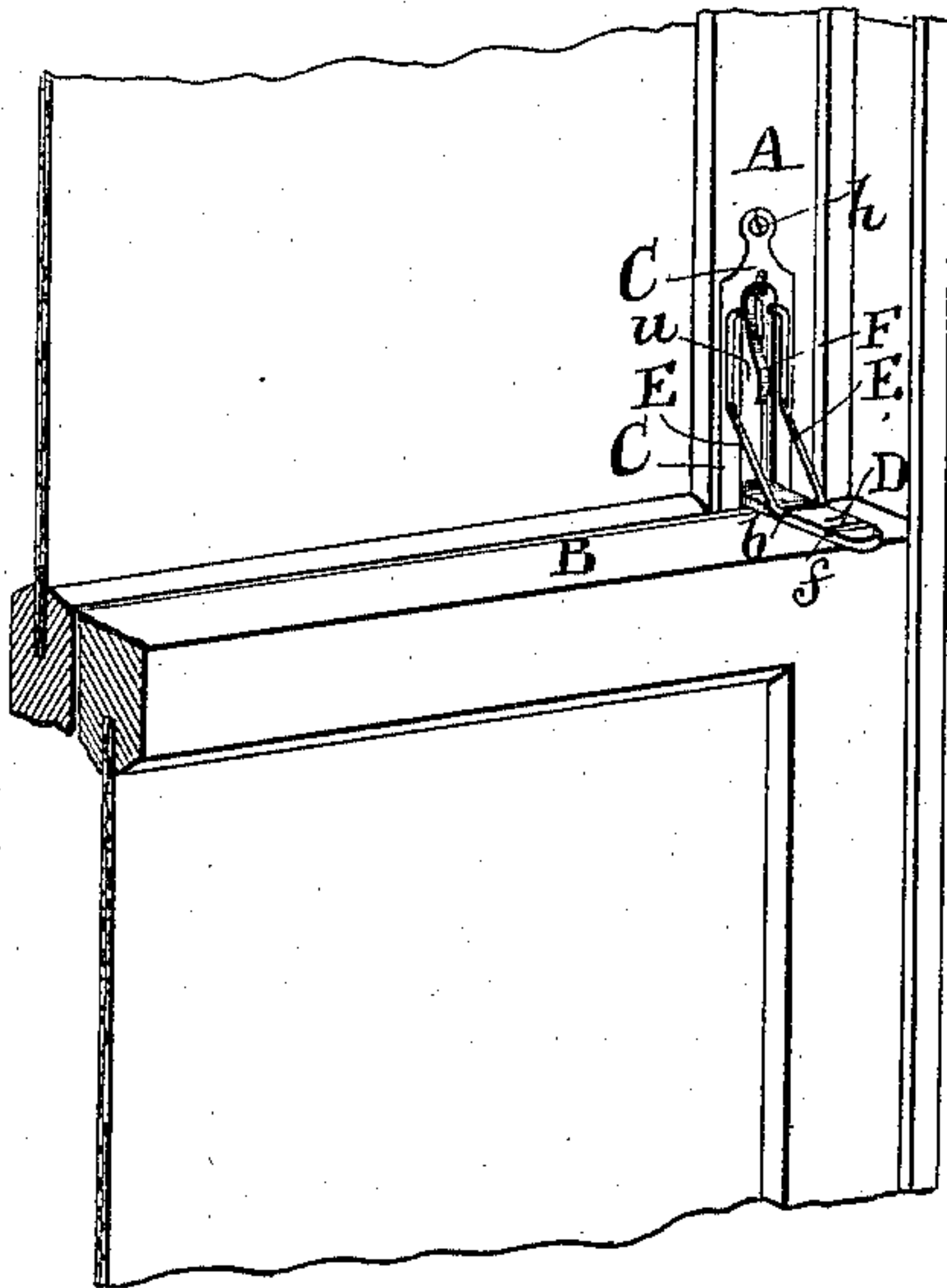


Fig. 2.

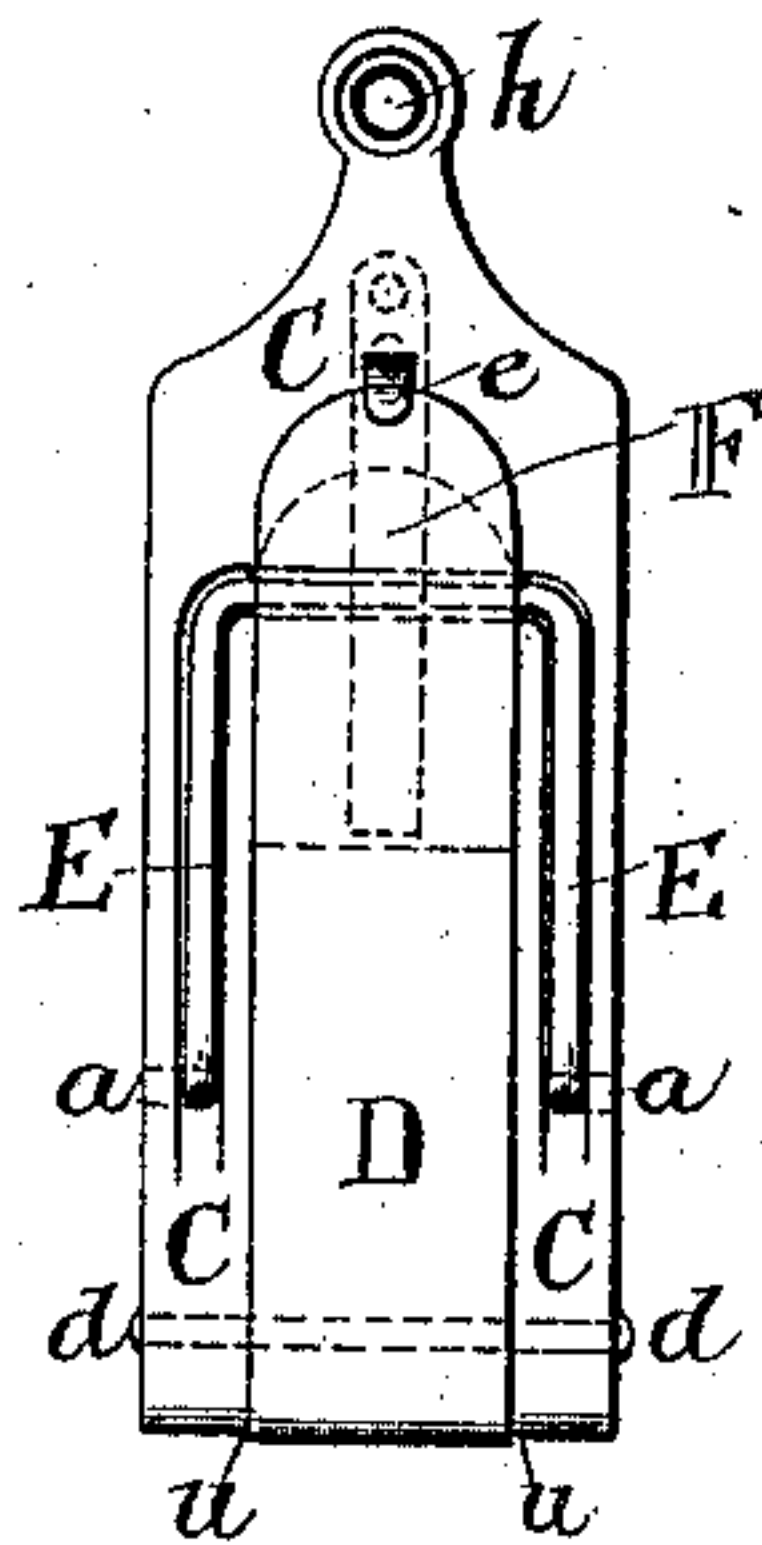


Fig. 3.

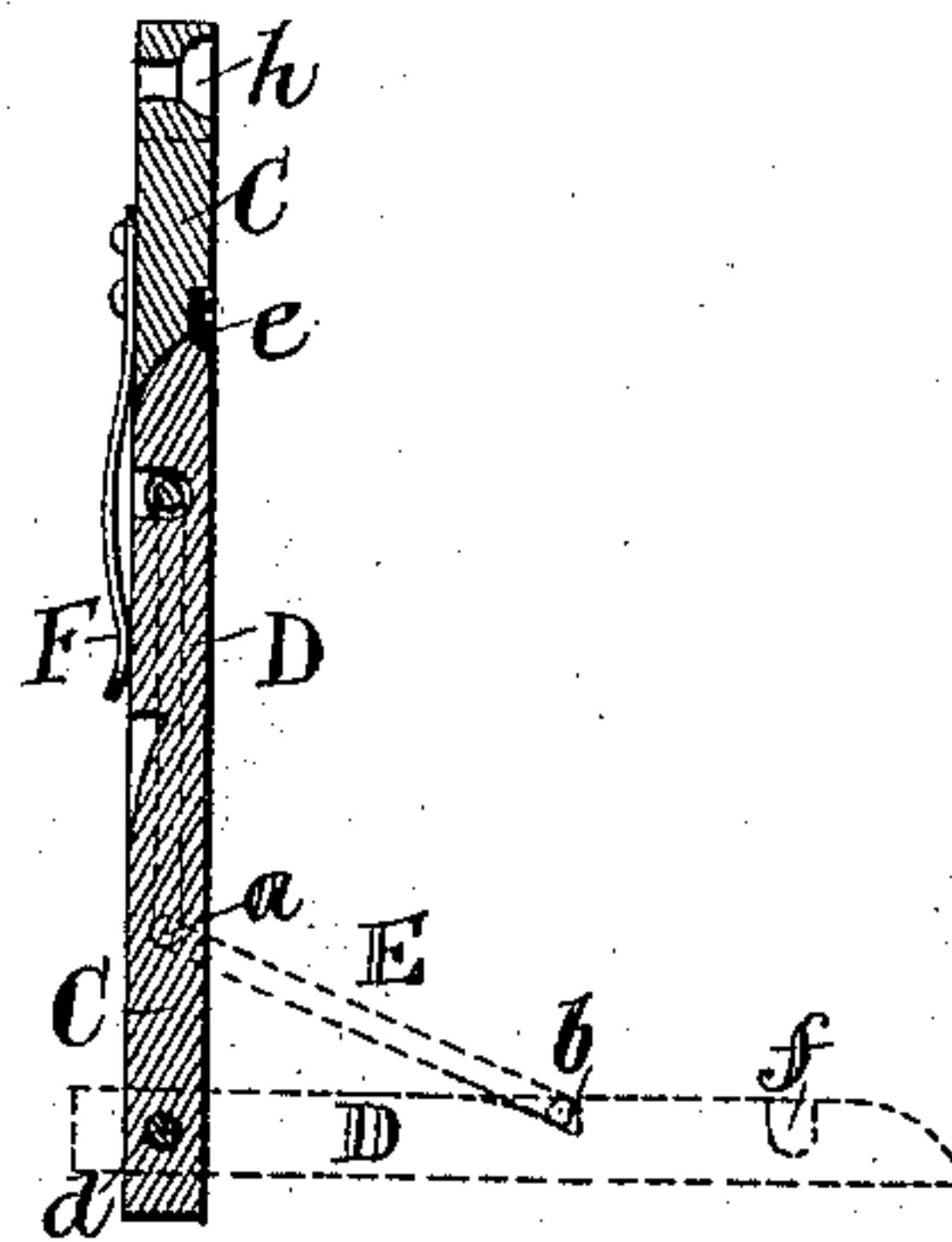
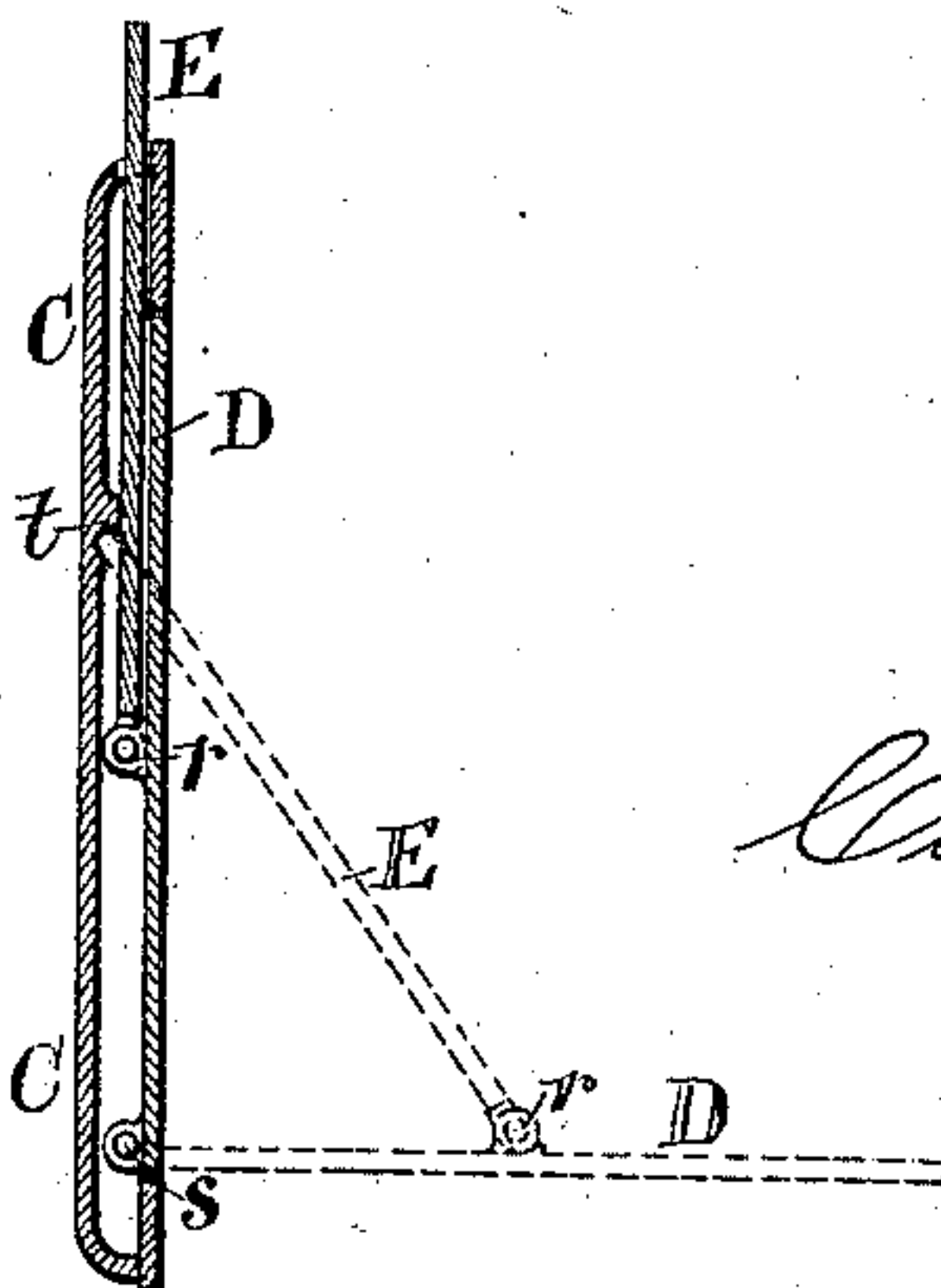


Fig. 4.



Witnesses:-

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UNITED STATES PATENT OFFICE.

CALVIN D. HAYWARD, OF NEW YORK, N. Y.

WINDOW-SASH FASTENER.

SPECIFICATION forming part of Letters Patent No. 335,127, dated February 2, 1886.

Application filed October 6, 1884. Serial No. 144,805. (No model.)

To all whom it may concern:

Be it known that I, CALVIN D. HAYWARD, of the city and county of New York, in the State of New York, have invented a new and useful Improvement in Window-Sash Fasteners, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to that class of window-fasteners which consists of a plate to be secured to the face of the upper sash, a swinging foot-piece hinged to the lower end of the plate and adapted to swing down into a horizontal position, or upward into a position parallel with the plate, and a brace hinged to one part, and which automatically interposes itself between the part to which it is hinged and a shoulder on the other part when the hinged foot-piece comes to a horizontal position above the lower sash of a window.

My invention consists in a novel combination of the parts above described, whereby they are adapted to fold one into another when not in operative position and when the lower sash is raised, thus producing a device which shuts up and forms a flat article, having very little projection from the sash to which it is secured.

Figure 1 illustrates a part of a window with my invention attached thereto. Fig. 2 is a front view of a window-sash fastener constructed according to my invention, with the various parts folded together. Fig. 3 is a sectional view of the same corresponding with Fig. 2, but also showing in dotted lines the swinging foot-piece and the hinged brace extended. Fig. 4 is a sectional view illustrating a modification of my invention.

A designates the upper sash, and B the lower sash, of a window.

C, Figs. 1, 2, and 3, designates a plate of any proper metal, size, and thickness, having a wide slot or cavity, *u u*, open at the bottom and extending upward through the greater part of its length. It may be pierced with any number of suitable screw-holes for fastening it to the window-sash stile. One of these screw-holes is illustrated at *h*.

D is the swinging foot-piece, which consists of a flat plate of the same thickness as C, and adapted to fit neatly into the slot *u u* within

the plate C. This swinging piece has a notch, *b*, in its back, and is hinged by the lower end at *d* to the plate C, and arranged so that when it is folded into said slot therein its outer face will be flush with the outer face of the plate C. Its free end is also capable of being turned out from the plate C until it comes into a position at right angles to the said plate, as shown in dotted lines in Fig. 3, and in perspective in Fig. 1. To facilitate the turning out of this piece when it has been folded into the slot *u u* in said plate C, a spring, F, may be provided, attached to the back of said plate, whereby such facility is afforded; but this spring may not be essential to the operation of the device, and may be dispensed with at pleasure. To prevent this piece D from falling into a horizontal position when it is not desirable, a spring-catch of any convenient construction may be provided at *e*.

E designates the hinged brace, represented as constructed in the form of a rectangular yoke, with its two ends hinged or pivoted to the plate C at *a a*. This yoke-shaped brace is wider than the swinging piece D, and folds into the face of the plate C in a groove or recess adapted to it, so that it will be within or flush with the face of the plate C. When the swinging foot-piece D has been withdrawn from the slot in the plate C, ample room is afforded for withdrawing the brace E, which may then be turned outwardly, so that its free end will come into the notch *b* of the swinging piece D, which will then be held in a horizontal position.

To apply my invention, the plate C is let into the lower part of the stile of the upper sash of a window, so that its outer face will be flush with the face of the stile, its position being such that when the swinging foot-piece D is brought out into a horizontal position to the latter it will rest on the top of the lower sash, as illustrated in Fig. 1. The plate C is then secured to the upper sash by screws, or in any other convenient way. If then, both sashes being closed, the swinging foot-piece D be brought out upon the top of the lower sash and the hinged brace E be brought down and its end set in the notch *b*, the window will be securely locked, so that the upper sash cannot be lowered, nor can the lower sash be raised.

Fig. 4 illustrates a modification of my in-

vention in which the hinged brace E is a piece of plate metal hinged to the swinging foot-piece D at *r*, and engaging with a notch, *t*, in the plate C, as is illustrated in dotted lines in Fig. 4. When the parts of this modification of my invention are folded together, the hinged brace E lies behind the swinging foot-piece D, and its end passes through a hole provided for that purpose in the top of the plate C. The position of the parts of this modification when folded is illustrated in full lines in said Fig. 4.

In both examples of my invention the hinged foot-piece when swung upward shuts or is received into the recess provided in the plate, and the closed device presents a flat front with no projecting parts, and projects but little, if any, from the face of the sash to which it is secured.

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

1. The combination of the plate C, recessed

or slotted at the front, the foot-piece D, hinged to the lower part of the plate, and adapted to fold upward into the slotted or recessed plate, so as to present a flat face, and a brace, E, hinged to one of said parts and engaging with a shoulder on the other part, to hold the foot-piece in a horizontal position, substantially as herein described.

2. The combination of the plate C, recessed or slotted at the front, the hinged foot-piece D, adapted to fold into the recessed or slotted plate, so as to present a flat face, the hinged brace E, a spring, F, for throwing the foot-piece forward into an operative position, and a catch, *e*, for holding said foot-piece in an inoperative position, substantially as herein described.

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Witnesses:

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