

(No Model.)

J. S. RYAN & J. CONWAY.

SHUTTER FASTENER.

No. 311,448.

Patented Jan. 27, 1885.

Fig. 1.

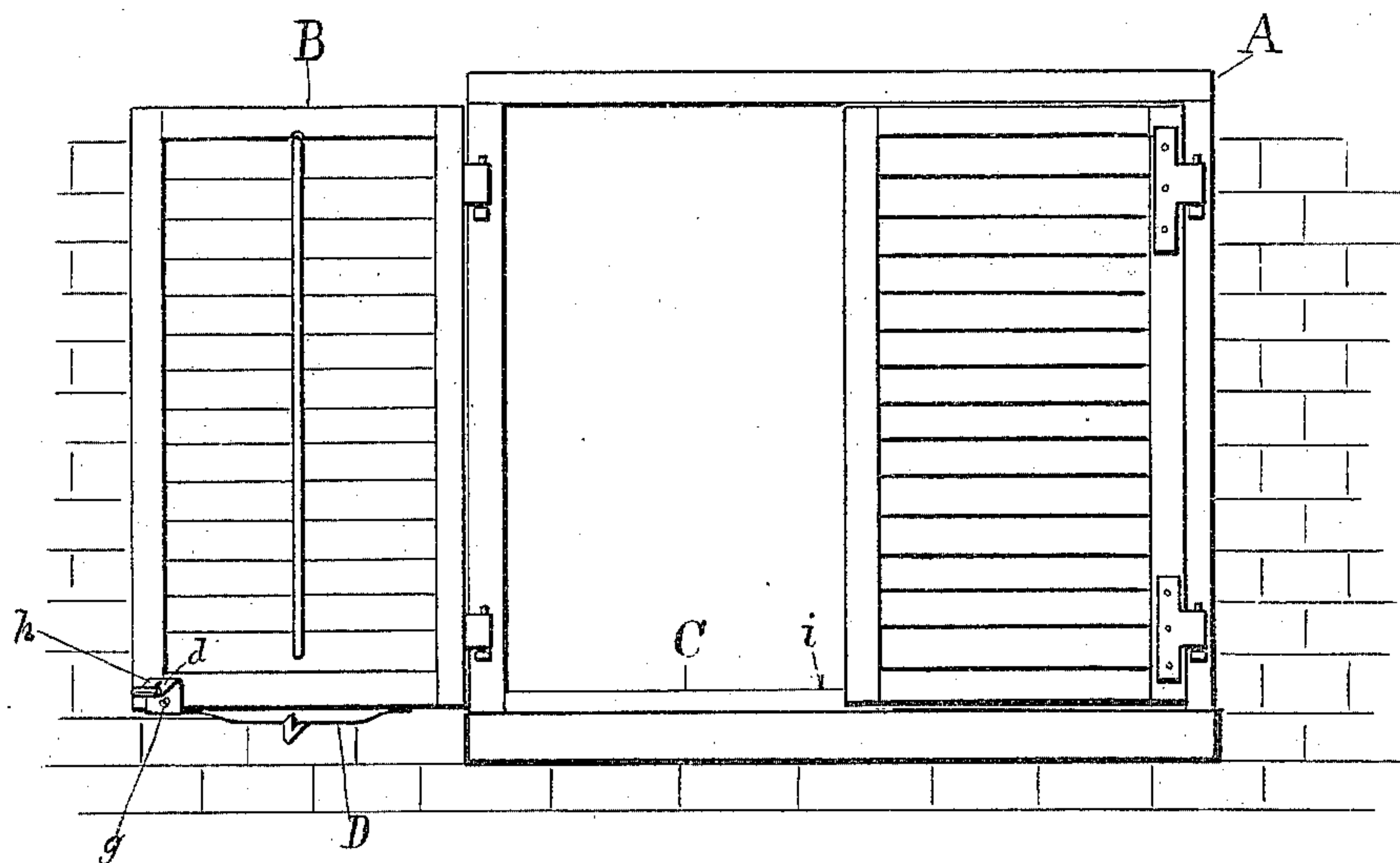


Fig. 2.

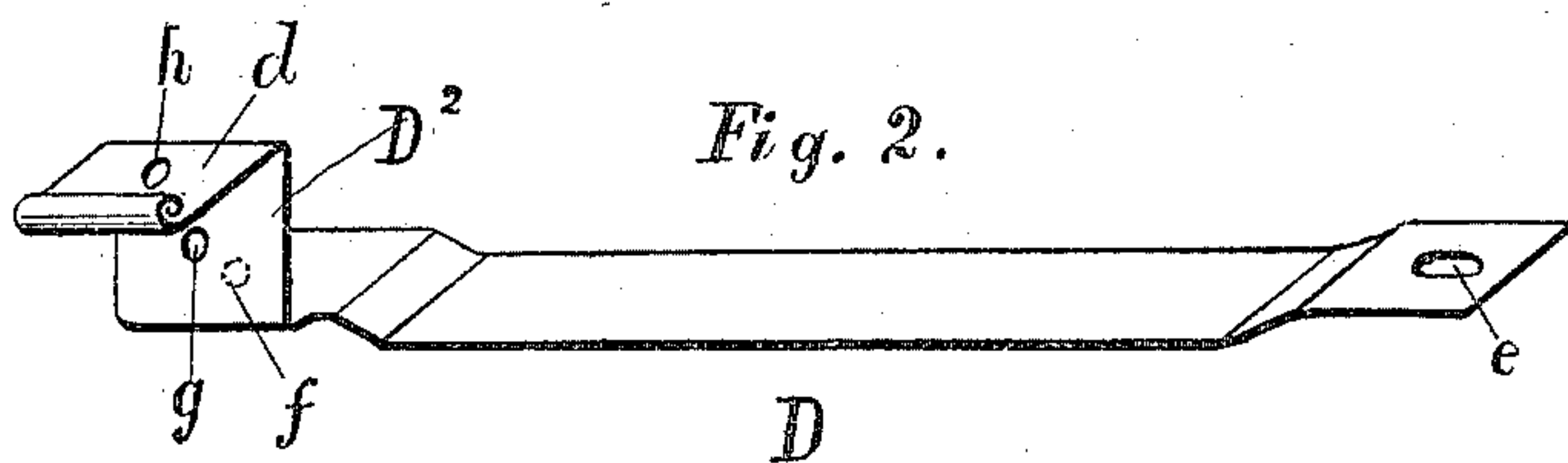
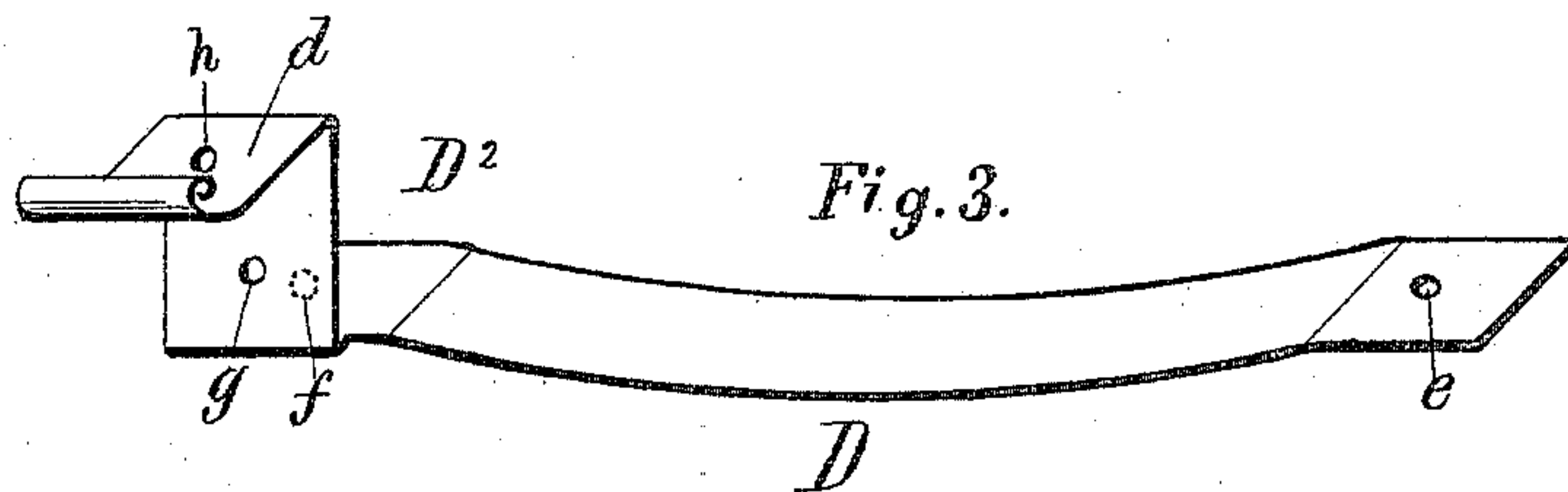


Fig. 3.



WITNESSES:

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SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 311,448, dated January 27, 1885.

Application filed June 2, 1884. (No model.)

To all whom it may concern:

Be it known that we, JOHN S. RYAN and JOHN CONWAY, citizens of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Shutter-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to a means for holding a window-shutter when either open or shut.

The invention consists in a novel construction of a spring and peculiar arrangement of the same upon a shutter, whereby provision is made for automatically fastening the shutter in either position and facilitating its release therefrom without danger or inconvenience to the person operating the shutter.

In the accompanying drawings, Figure 1 represents a view of a window with our fastener attached to the shutter. Figs. 2 and 3 are perspective views of the fastener.

A represents a window-frame, and B a shutter attached thereto. C is the window-sill. D is a flat spring or strip of elastic metal, having at one end an arm or extension, D², at a right angle to its length. This arm is bent upward and then inward toward the window-sash when the shutter is closed, and its extreme end is curled so as to form a convenient finger-piece. At one end of the spring is a hole or slot, e, through which a screw passes to secure it to the bottom edge of the shutter. From this point the spring is bent downward and then upward sufficiently to give it suitable play to enable it to engage with a hook or latch extending from the outside wall of the building in order to hold the shutter open. The bend in the spring may be either angular, as shown in Fig. 2, or a gradual curve, as shown in Fig. 3. Near the outer end of the spring is a hole, f, through which a screw passes into the shutter in order to secure it to the shutter, and also to prevent lateral displacement. In the portion which is turned upward is a hole, g, through which a screw passes into the shutter in order to secure this upright portion to the shutter. In

the portion d, which is turned inward from the vertical portion, is a hole, h, for the engagement with a pin, i, extending upward from the window-sill C. When the shutter is opened and thrown back against the wall of the building, the spring D engages with a hook or latch provided for the purpose by sliding over the inclined surface thereof, and thus the shutter is held open. As the spring slides over the hook or latch the portion between the ends curves upward until it passes the hook, and then resumes its former position. By reaching the hand out the window and pressing upward on the spring it is disengaged from the latch or hook so as to allow the shutter to be closed. When the shutter is closed, the portion d slides over the pin i, which engages with the hole h, and thus fastens the shutter. In order to open the shutter, the spring is disengaged from the pin by raising it by the finger-piece.

We are aware that a shutter-fastener has been used consisting of a spring attached by two screws to the bottom edge of the shutter; but that was a straight strip, and only served to hold the shutter in place when open. In our invention, by having the arm or extension in one piece with the main portion of the spring, the same piece of metal serves a double purpose.

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

As an improved article of manufacture, a shutter-fastener consisting of a spring, D D² d, made in one piece, and having the main portion D adapted to engage with a latch or hook on the outer wall to hold the shutter open, and an arm or extension consisting of the portion D² d, adapted to engage with a pin projecting from the window-sill to hold the shutter closed, substantially as herein described.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN S. RYAN.
JOHN CONWAY.

Witnesses:

FRANCIS C. BOWEN,
JAS. S. EWBANK.