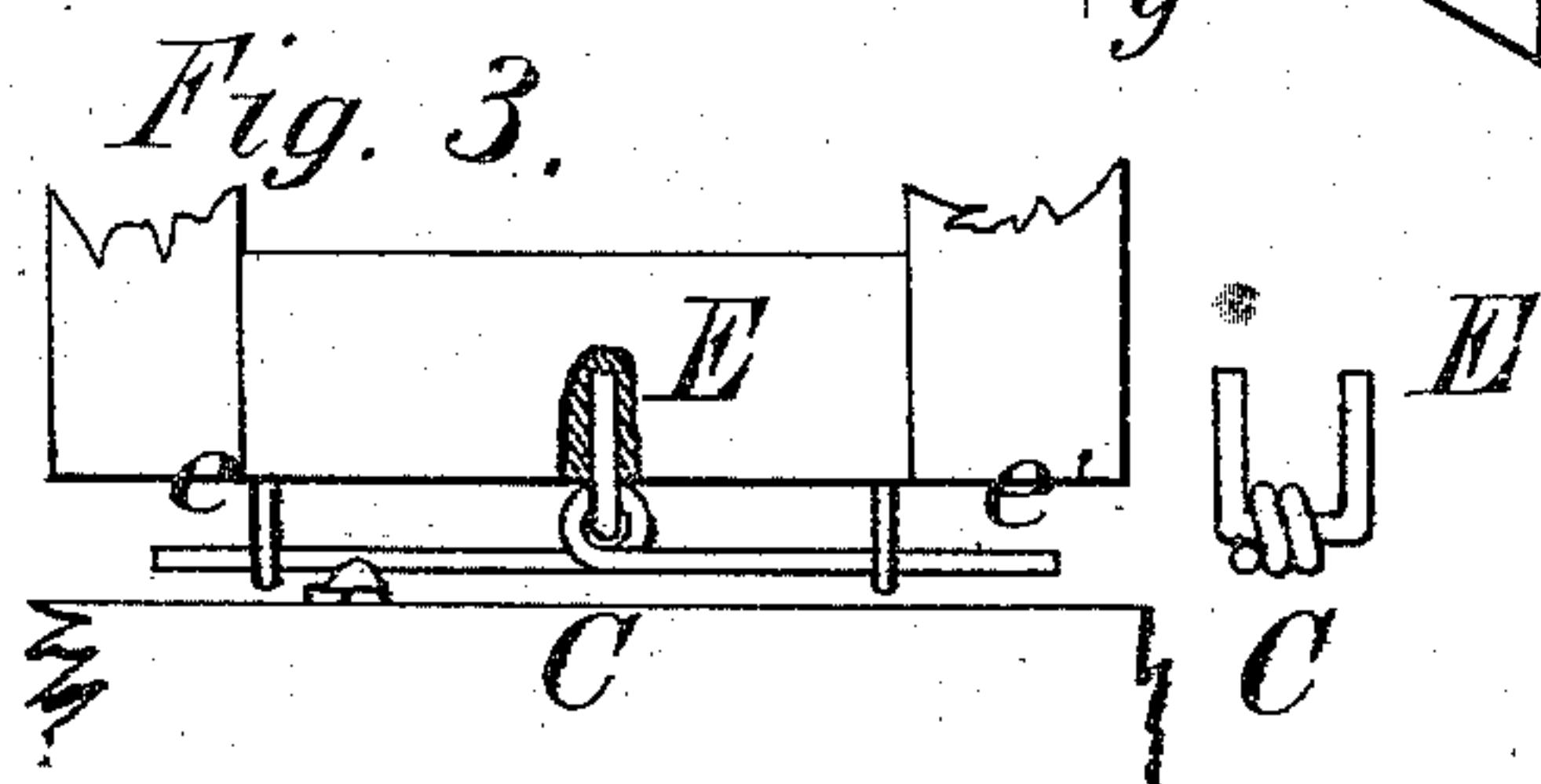
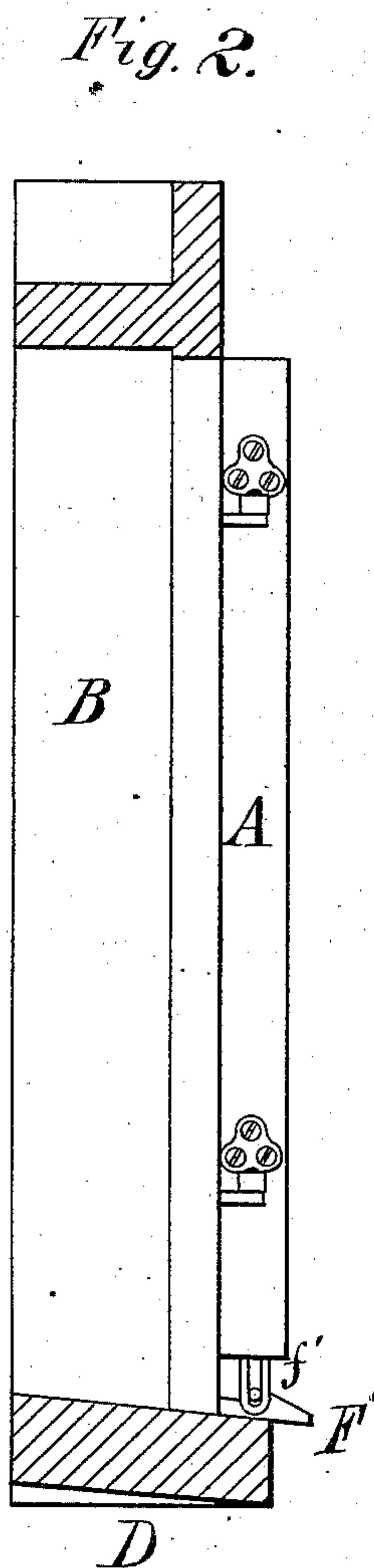
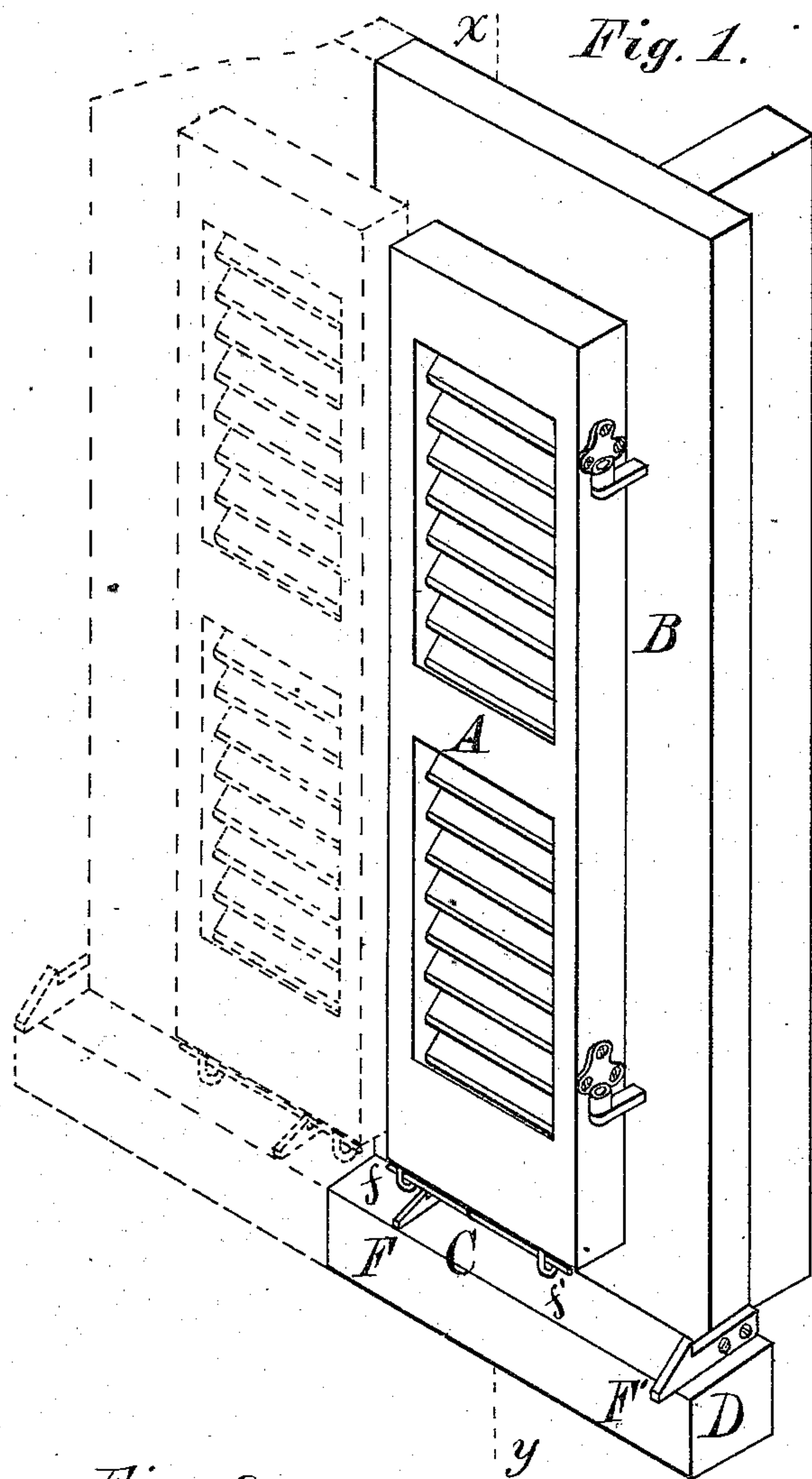


C. B. HAYNES.

Shutter and Blind Fastener.

No. 160,672.

Patented March 9, 1875.



Witnesses;

Wm. Dunn
Peter Brown

Inventor;

C. B. Haynes
per J. G. Arnold
Atty.

UNITED STATES PATENT OFFICE.

CHARLES B. HAYNES, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN SHUTTER AND BLIND FASTENERS.

Specification forming part of Letters Patent No. **160,672**, dated March 9, 1875; application filed December 30, 1874.

To all whom it may concern:

Be it known that I, CHARLES B. HAYNES, of the city and county of Worcester, State of Massachusetts, have invented an Improved Blind-Fastener, of which the following is a specification:

My invention relates more particularly to holding the blinds of windows either open or shut, and also serves as an additional supporter under the middle of the blind, to prevent sagging; and it consists in the use of a spring-holder formed of one piece of wire or rod, with a loop or turn in its middle part, at which point it is secured to the bottom edge of the blind, with its free ends having guiding-staples, which allow perpendicular play for them to spring over the catches, one of which is secured to the window-sill to hold the blind closed, and the other to the frame or side of house to hold it open.

In the accompanying drawings, Figure 1 is a view, in perspective, of a window and blind with a fastening embodying my invention. Fig. 2 is a sectional view through the line *xy* of Fig. 1 with the blind open, as seen from the left. Fig. 3 shows the form of the spring-holder with its central staple, and its attachment in place to the bottom edge of the blind.

I make a spring-holder of any suitable material, as steel or spring-drawn wire, of the form shown at C, Fig. 3, and fasten it by a staple, E, through the coils on its center to the middle of the bottom of the blind A, its free arms *e e'* extending to within a short distance of the edge or sides over the catches F

and F', and just outside of these put in the staples *f* and *f'*, to retain and support the arms, but not so as to prevent them from bearing with some force on the catches F F', and thus by this pressure, which is transferred to the middle of the spring C, where it is fastened, help support the weight of the blind, thus preventing its sagging. The catch F' is fastened to the casing or side of the house, over the sill D, on which it rests and receives support, and the catch F is secured to the window-sill. The free ends of the arms *e e'* form handles, convenient to release the fastener from the catches, so that it is easily operated, and all the parts attached to the blind are within the planes of its two sides, without projections, in the way of handling for painting or other purposes.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The blind-fastener described, consisting of the wire spring C, looped in the middle and secured at that point to the lower edge of the blind, and having free ends *e e'* engaging with the catches F and F', one of which holds the blind closed, and the other open, when constructed, arranged, and operating substantially in the manner described and shown, for the purpose set forth.

CHARLES B. HAYNES.

Witnesses:

DANL. TODD,
WM. BROWN.