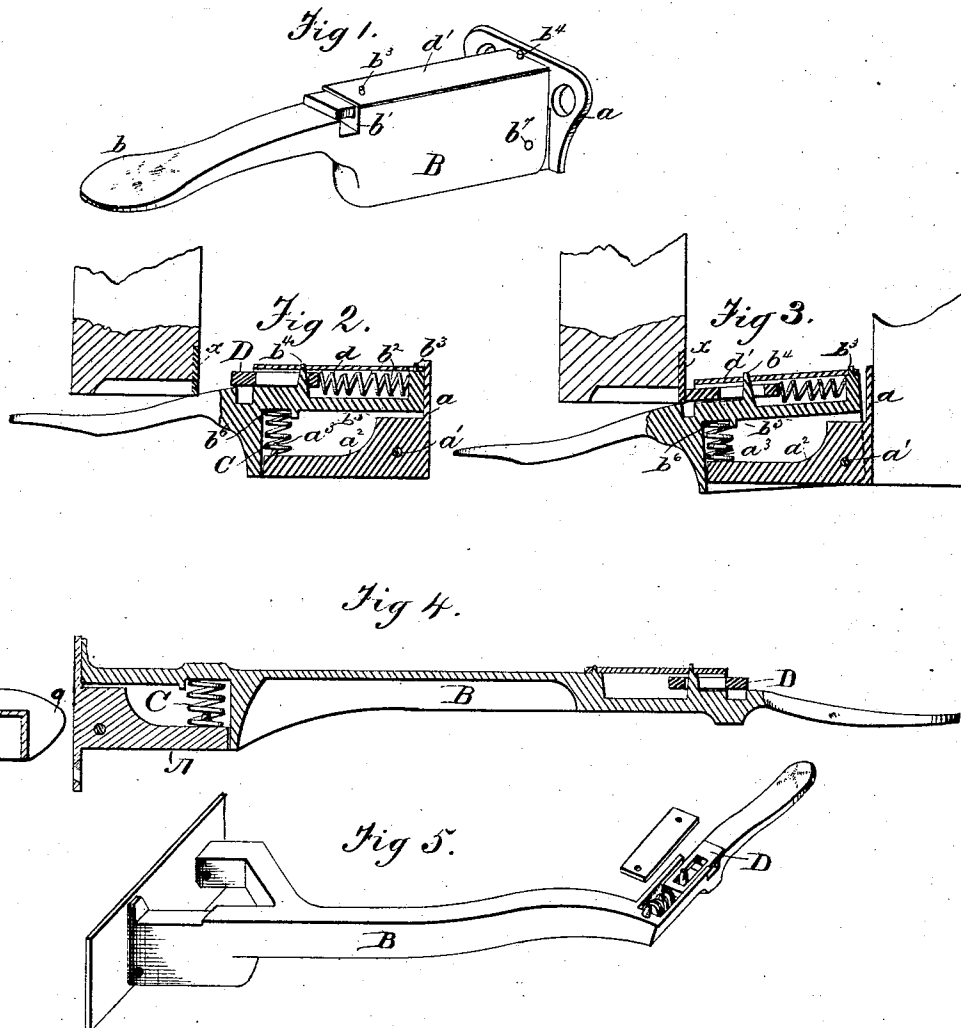


H. L. NORTON.  
Shutter-Fastenings.

No. 155,166.

Patented Sept. 22, 1874.



Witnesses;

*H. C. Clark*

*H. E. Matthews.*

Inventor.

*Henry L. Norton.*

by *H. W. Beadle & Co.*  
his Attys.

# UNITED STATES PATENT OFFICE.

HENRY L. NORTON, OF MIDDLETOWN, CONNECTICUT.

## IMPROVEMENT IN SHUTTER-FASTENINGS.

Specification forming part of Letters Patent No. 155,166, dated September 22, 1874; application filed July 28, 1874.

### CASE D.

*To all whom it may concern:*

Be it known that I, HENRY L. NORTON, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Door and Blind Back-Catches; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention consists, mainly, in the combination of a fixed standard, properly secured to the building at a suitable point, with a pivoted spring catch-piece for holding the door or blind open, and a spring pusher-bar for disengaging the blind or door, as will be fully described hereinafter.

In the drawings, Figure 1 represents a perspective view of my invention, and Figs. 2 and 3 sectional elevations of the same. Figs. 4 and 5 represent views of modified forms.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents a standard or horizontal arm, adapted to be attached, by means of a proper face-plate, *a*, to any suitable point upon the building. It is provided with the horizontal pivot-opening *a*<sup>1</sup>, the recess *a*<sup>2</sup>, and the vertical stud *a*<sup>3</sup>, as shown. B represents a catch-piece, consisting of a suitable metal block, having a proper thumb-pin, *b*, and catch-recess *b*<sup>1</sup>, an upper recess, *b*<sup>2</sup>, studs *b*<sup>3</sup> *b*<sup>4</sup>, and lower main recess *b*<sup>5</sup>, having a circular depression, *b*<sup>6</sup>, as shown. *b*<sup>7</sup> represents pivot-holes, by means of which and a proper pivot-pin this part B is pivoted to part A, as shown. C represents a coiled spring, one end of which is held by the stud *a*<sup>3</sup> upon the part A, and the other by the circular depression *b*<sup>6</sup> in part B. D represents a pusher plate or bar, adapted to rest in one end of the upper recess of the part B, adapted to receive it, and provided with a central slot, through which projects the stud *b*<sup>4</sup>. *d* represents a coiled spring, resting also in the upper recess, and adapted to bear against the inner end of the pusher-plate D, as shown. *d'* represents a covering-plate, by means of which the parts

are secured in place, it being itself secured by riveting down the ends of the studs *b*<sup>3</sup> *b*<sup>4</sup>. The blind or door is provided at the proper point with a suitable catch plate and recess, as shown at *x* in Figs. 2 and 3.

The operation is as follows: When the blind or door is pushed back, the lower edge of its catch-plate strikes upon the inclined surface of the thumb-piece, as shown in Figs. 2 and 3, and depresses the same, the thumb-piece turning freely upon its pivot, until the catch-recess is entered by the edge of the catch-plate, when the catch-piece rises vertically through the action of its vertical spring, and securely holds the blind in place. The pusher-bar, which projects over the recess when free to act, yields readily when the blind is pushed back to permit the catch-plate to enter the recess.

When it is desired to release the door or blind, the thumb-piece is depressed until the outer side of the catch-recess, against which the catch-plate bears, is disengaged from the latter, when the blind will be thrown forward by the action of the pusher-bar, which is now free to act.

The catch-piece B may be made of any suitable length, and be arranged to operate at any proper angle. When made of extended length, I preferably provide its base with ears *o o*, to give it a firm bearing, and prevent it from moving sidewise; and, when set at an angle, I provide it with brace-bars, as shown in Fig. 5, to give it proper stability and firmness.

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

In combination with a fixed standard or horizontal arm, A, the spring C and the vertically-moving catch-piece B, having a horizontally-moving pusher-bar, D, substantially as described, for the purpose set forth.

This specification signed and witnessed this 22d day of July, 1874.

HENRY L. NORTON.

Witnesses:

P. H. ALBRIGHT,  
HARRY S. WARNER.