

L. D. Howard.
Shutter Fastening.

Nº 92,970.

Patented Jul. 27, 1869.

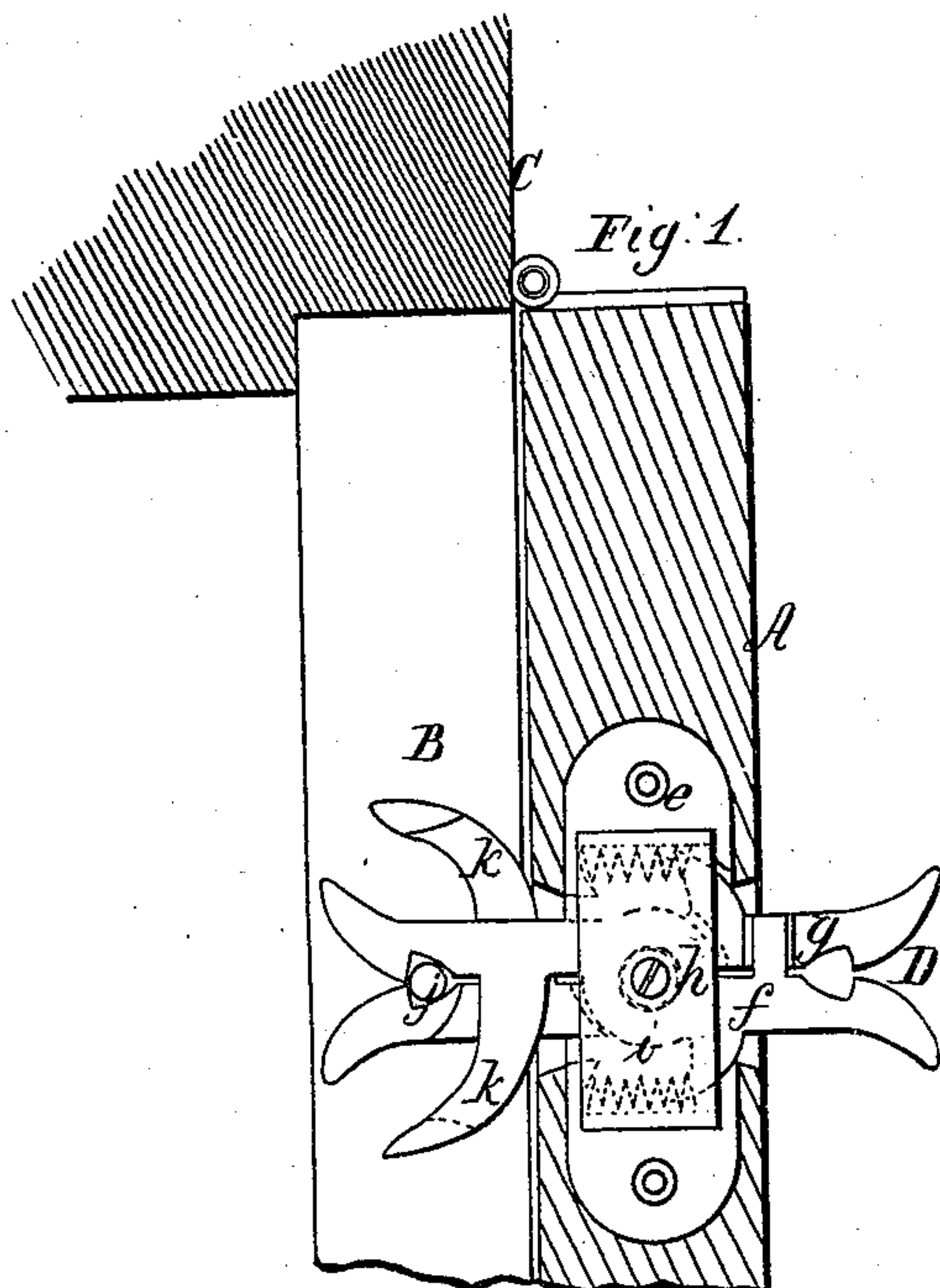
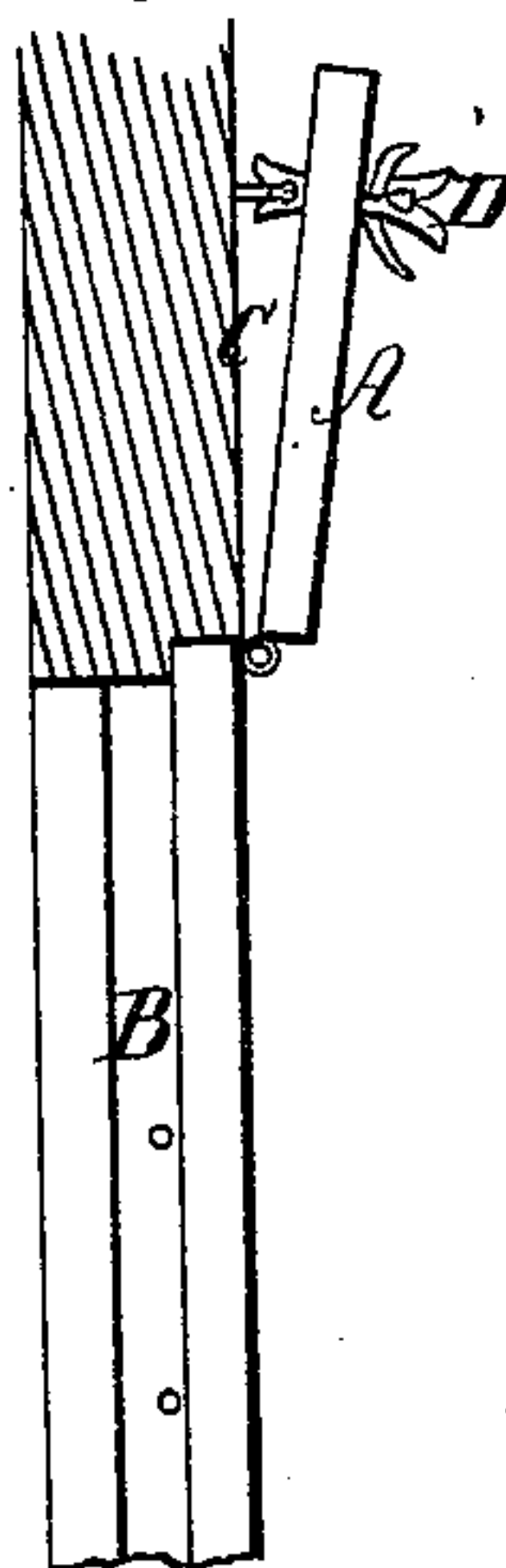


Fig. 2.



Witnesses;
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per. [Signature]

United States Patent Office.

LEONARD D. HOWARD, OF ST. JOHNSBURY, VERMONT.

Letters Patent No. 92,970, dated July 27, 1869.

IMPROVED SHUTTER-FASTENER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LEONARD D. HOWARD, of St. Johnsbury, in the county of Caledonia, and State of Vermont, have invented a new and useful Improvement in Blind-Fastenings; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to an improvement in fastenings for blinds and shutters of windows; and

It consists in providing two hook-levers, which are pivoted to the blind upon a central pivot, in such manner as to cross each other, each with a lateral projection or prong upon the inner side of the blind, so arranged that when the prongs are pressed toward each other, the levers will be detached from the catch upon the window-sill, or from the catch upon the outside of the building, as will be hereinafter more fully described.

In the accompanying drawings—

Figure 1 represents the fastening, as when the blind is closed, giving a view of the under side or end of the blind.

Figure 2 represents the fastener attached to the blind, with the latter fastened back to the wall, or open.

Similar letters of reference indicate corresponding parts.

A is the blind or shutter.

B is the window-sill.

C represents the outside of the wall.

D is the fastening, which is fastened to the under edge of the blind or shutter, and consists of a recessed

plate, *e*, and two hook-levers, *f* and *g*. These levers are secured in the recess of the plate *e*, by means of a central screw, *h*, as seen in the drawing.

Each of the levers has a projecting lug, which receives the pressure of two spiral springs, which are confined in the recess of the plate, beneath the covering-plate *i*, seen in yellow color in the drawing, through which the lugs and the spiral springs are seen in dotted lines.

j is the fastening-pin in the window-sill.

The levers are so arranged that the pressure of the spiral springs serves to throw them together, as seen in fig. 1, the pressure being constant, whether the blind is open or closed.

k represents an arm on each lever, the arm of *g* crossing *f*, and *vice versa*, so that when the two arms are pressed towards each other, the ends of the levers will be spread apart, and the hooks released from the pin *j*, in the window-sill, and from the staple or hook in the wall.

The method of operation is so plainly shown in the drawing, that further description is deemed unnecessary.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The pivoted levers *f g*, when provided with the lateral-operating prongs *k k*, arranged, with relation to each other, in the manner herein shown and described, for the purpose specified.

LEONARD D. HOWARD.

Witnesses:

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