H. L. NORTON.

Improvement in Shutter-Fasteners.

No. 130,308. Patented Aug. 6, 1872.

Fig 1.

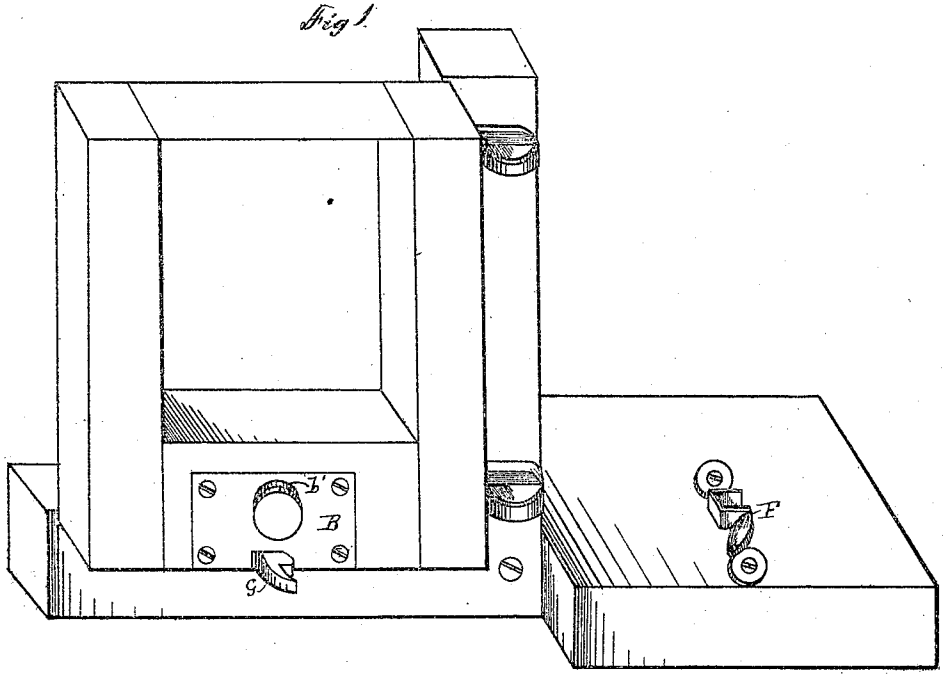


Fig 2.

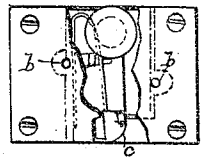


Fig 3.

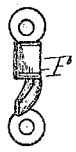


Fig 4.



Fig 5.

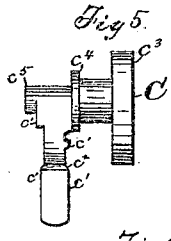
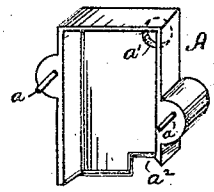


Fig 6.



Witnesses.
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A.M. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

HENRY L. NORTON, OF MIDDLETOWN, CONNECTICUT.

IMPROVEMENT IN SHUTTER-FASTENERS.

Specification forming part of Letters Patent No. **130,308**, dated August 6, 1872.

SPECIFICATION.

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 Blind-Fastener; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention relates to shutter-fasteners, and is designed particularly for use in connection with my improved hinge, patented June 4, 1872; but it may be used in connection with any hinge of suitable construction. It consists mainly in making the knob and bolt of a single casting, and of such form that it may be readily combined with the other parts to make, in connection with peculiarly-constructed catches, a complete and effective fastener, as will be fully described hereinafter.

In the drawing, Figure 1 represents a perspective view of a blind having my improved fastener attached thereto; Fig. 2, a front elevation of the fastener with a portion of the face-plate broken away to show the interior; Figs. 3 and 4, views of the sockets; Fig. 5, a view of the knob and bolt; and Fig. 6, a perspective view of the case.

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, Fig. 6, represents what may be termed the case of the fastening, consisting of a casting having a back plate, an end plate, and two sides, the latter being each provided with projections having pins *a a*, as shown. The back of the case is provided, in one of its upper corners, with an opening, a^1, and upon its lower edge, in line below the opening, with a recess, a^2. B represents the face-plate, consisting of a suitable piece of metal of proper form, and of size sufficient to cover the case, and also to extend beyond its sides far enough to enable it to be readily attached to the blind, said attachment being made by screws, which pass through suitable openings in the corners of the plate, as shown. The plate is further provided, also, with openings *b b*, which correspond in position with the pins *a a*, and are adapted to receive the latter, and with a large orifice, b', the center of which, when the plate is in place, is in line with the center of the orifice a^2. C represents the bolt and knob, cast in one piece, the bolt part of which is provided with a beveled end, *c*, Fig. 2, bearing-faces c^1 on each side, Fig. 5, and recess c^2 for the reception of one end of a spring. The knob portion is provided with a disk, c^3, adapted to be grasped by the hand, and the bearing-surfaces c^4 c^5, which, when in place, rest against the edges of the opening a^2 in the case and the opening b' in the face-plate. D represents a spring, the ends of the long arm of which rests against a projection upon one of the sides of the case, and the end of the short arm rests against a shoulder formed by the recess in the bolt.

The parts, being properly cast in suitable proportions, are united as follows: The bolt is inserted through the opening b' in the face-plate, and is then placed in position in the case. The insertion of the spring is then permitted by turning the face-plate to one side, when the latter may be turned into position and be secured by heading the pins *a a*.

When it is desired to use the fastener it should be secured in a suitable recess in the blind at the proper point, the lower edge of the blind being also recessed to permit it to swing over the sockets for holding the bolt of the fastener, as shown. The sockets designed for use in connection with the fastener are shown at F and G, Figs. 3 and 4, the socket F being designed for use upon the window-sill, and the socket G being adapted to be secured to the side of the house.

The operation is as follows: In closing the blind or in throwing it wide open the bolt slides over the inclined face of the piece F or G into the socket, the spring yielding sufficiently for that purpose, in which position it is held until it is removed therefrom by turning the knob.

The device described is exceedingly simple in its construction and effective in its operation.

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

The combination of the bolt and knob C, cast in one piece, with case A, face-plate B, spring D, and catches provided with rectangular recesses, open at the side, and with laterally-beveled projections, as described.

This specification signed and witnessed this 13th day of June, 1872.

HENRY L. NORTON.

Witnesses:

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ELDON B. BRODSEY.