W. B. Barnard,

Shutter Fastener.

No. 36,597. Patented Oct. 7, 1862.

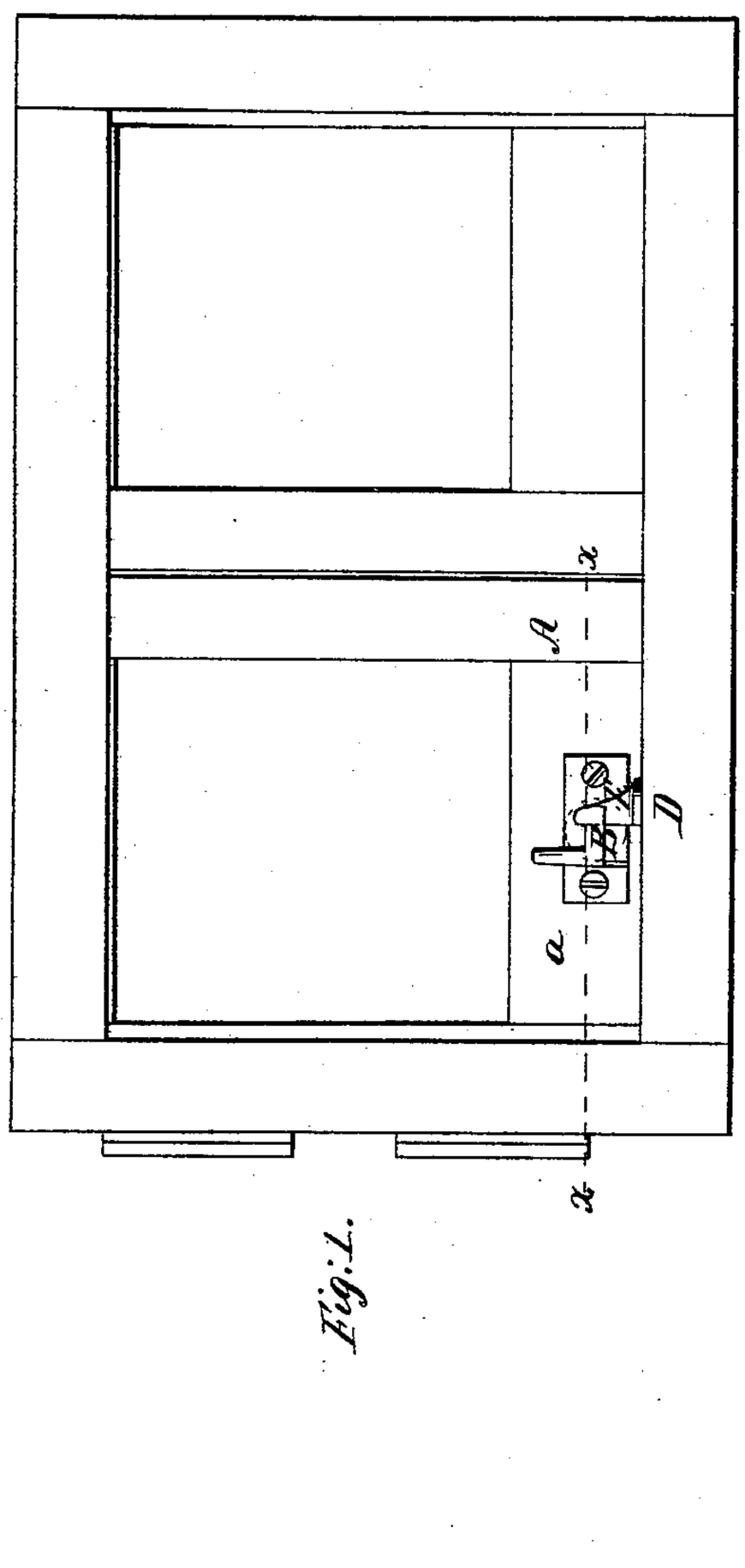

Fig. 1.

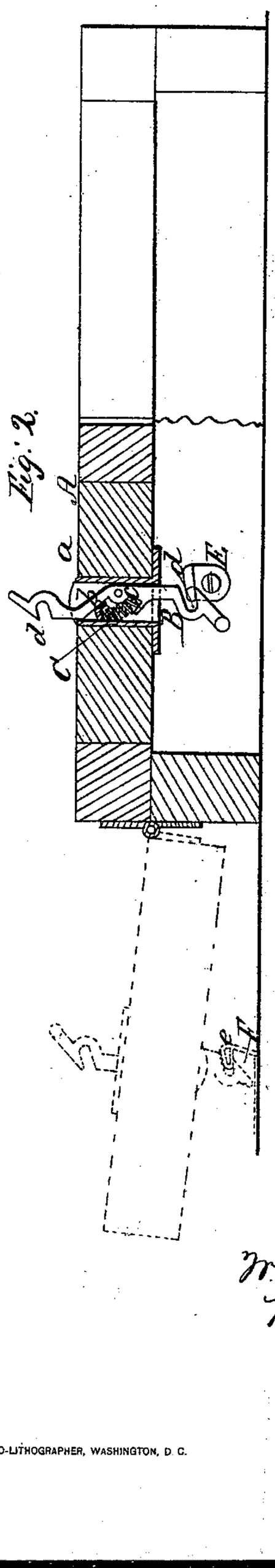

Fig. 2.

Witnesses;

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UNITED STATES PATENT OFFICE.

W. B. BARNARD, OF WATERBURY, CONNECTICUT.

IMPROVEMENT IN BLIND AND SHUTTER FASTENINGS.

Specification forming part of Letters Patent No. **36,597,** dated October 7, 1862.

To all whom it may concern:

Be it known that I, W. B. BARNARD, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Blind and Shutter Fastenings for Windows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is an inside view of a window-blind with my invention applied to it; Fig. 2, a horizontal section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain a fastening for shutters and blinds of simple construction, which will prevent the movement and rattlings of the same when either in an open or closed state, under the action of the wind.

To this end the invention consists in having the stud or pin and projection which are attached, respectively, to the window-sill and to the side of the building, and on which the catch of the blind or shutter fits, of taper or wedge shape in their horizontal section, and having the recess in the catch of corresponding taper form, so that when the latter catches on the former it will fit snugly thereto and effect the desired result.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a blind or shutter constructed and applied to the window-frame in the usual way, and B is a spring-catch, which is fitted in a tube or socket, C, placed transversely in the lower cross-rail, *a*, of the blind or shutter, and having a spring, *b*, bearing against it, as shown clearly in Fig. 2, the catch working on a pivot, *c*, in the tube or socket. The catch B extends outward some distance from each end of the tube or socket, and in it, near each end, there is made a recess, *d*, of taper form, as shown in Fig. 2, the recesses being in opposite sides of the catch.

In the sill D of the window-frame there is secured an upright stud or pin, E, which is of taper or wedge form in its horizontal section, corresponding to the recesses *d* in the catch B, and to the side of the building there is secured a projection, F, the outer end of which is bent or doubled so as to form a taper or wedge-shaped lip, *e*, corresponding in form in its horizontal section to the recesses *d*, as shown clearly in Fig. 2. The projection F may be constructed of a metal plate bent in the form, or it may be cast in the desired form.

From the above description it will be seen that when the blind or shutter is closed, the inner recess, *d*, of the catch will fit on the stud or pin E, and in consequence of the latter being of taper or wedge form in its horizontal section, and the recess *d* of corresponding form, the latter will be snugly fitted on the pin, so that all play of the blind or shutter will be prevented. The same may be said of the outer recess *d* of the catch when fitted on the wedge-shaped end or lip *e* of the projection F, as shown in red in figures. Thus by this very simple arrangement the blind or shutter is held perfectly tight when in either an open or closed state, so as to prevent all play and rattle of the same under the action of the wind.

By this invention, also, all wear both of the pin F and lip *e* is compensated for, as the spring *b* of the catch will cause the recesses *d* to press snugly on the parts aforesaid. The invention does not augment the cost of manufacture in the least.

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

The wedge-shaped stud or pin E in the sill D of the window-frame, and the wedge-shaped lip *e* on the projection F, attached to the building, in combination with the spring-catch B, provided with the taper recesses *d*, substantially as and for the purpose herein set forth.

WM. B. BARNARD.

Witnesses:

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JOHN W. PAUL.