N. THOMPSON.

Fastener for Meeting Rails of Sashes.

No. 207,915. **Patented Sept. 10, 1878.**

Fig. 8.

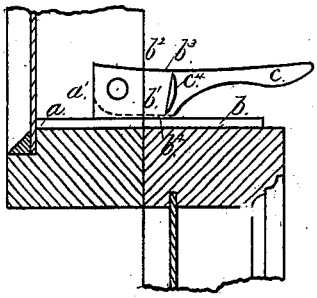


Fig. 1.

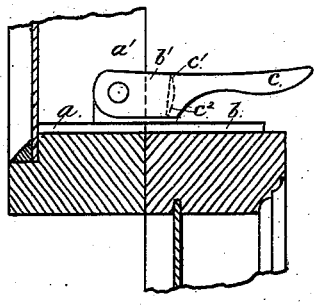


Fig. 2

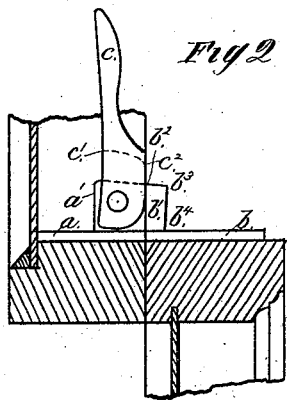


Fig. 9.

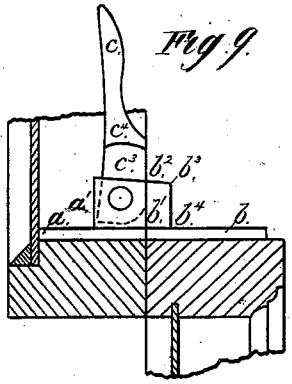


Fig. 3.

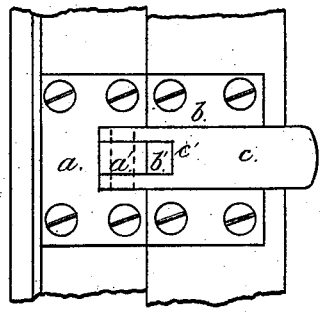


Fig. 10.

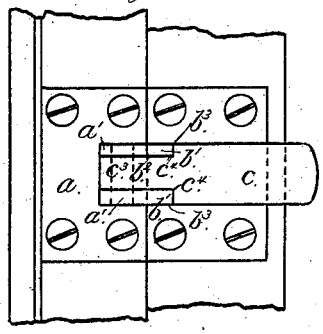


Fig. 4.

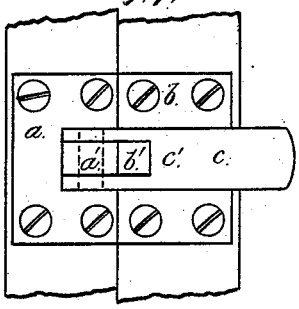


Fig. 5.

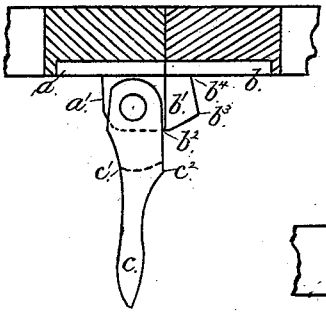


Fig. 6.

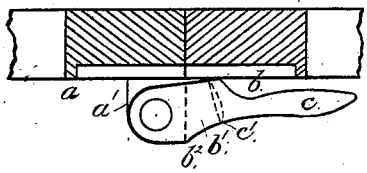
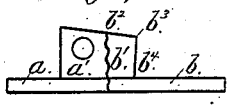


Fig. 7.



Attest:

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UNITED STATES PATENT OFFICE.

NATHAN THOMPSON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **207,915**, dated September 10, 1878; application filed April 24, 1878.

To all whom it may concern:

Be it known that I, NATHAN THOMPSON, of the city of Brooklyn, in the county of Kings and State of New York, in the United States of America, but at present residing at 23 Southampton Buildings, in the county of Middlesex, England, have invented new and useful Improvements in Fasteners for Doors, Windows, and other articles, which improvements are fully set forth in the following specification.

My invention has for its object the production of a simple, effective, and cheap contrivance for fastening or connecting together the meeting-rails of windows.

My invention consists in securing to each meeting-rail a plate carrying fixed rectangular studs or projections, the studs or projections on one rail impinging throughout their length on those on the other rail, a rectangular lever being pivoted at one end to the stud or studs on one rail, and adapted to draw the studs on both rails together and bind them in locking position.

And in order that my said invention may be clearly understood, I will proceed, aided by the accompanying drawings, fully to describe the same.

In the various views like parts are marked with similar letters of reference.

Figures 1 and 2 are side elevations, and Fig. 3 is a plan view, of a fastener constructed according to my invention, and shown applied to a pair of sliding sashes. Fig. 4 is an elevation, and Figs. 5 and 6 are plan views, of a similar fastening, shown applied to a pair of French windows.

In the above figures the fastening consists of two plates, *a b*, provided each with a stud or projection, a' b^1, of equal width and height, or nearly so. These studs or projections are provided with plain faces, as shown in the above-mentioned figures, or with irregular faces, as shown at Fig. 7, fitting closely together.

To the stud or projection a' I pin-joint a lever, *c*, which is provided with an opening or recess, to pass over and embrace closely the two studs or projections a' b^1, and lock them together. The sides of the opening or recess in the lever *c* at their lower parts, or the sides of the stud or projection b^1 at their upper parts, may be beveled to allow for play and wear of the parts, and the top of the stud or projection b^1 is slightly inclined, from the front edge, b^2, toward the back edge, b^3, thereof, and the back is slightly inclined or undercut from the top edge, b^3, to the bottom, b^4, thereof.

The front edge, c^1, of the recess or opening in the lever, or the back edge, b^3, of the projection b^1, may be slightly rounded or beveled, to facilitate the action of the parts, and the inner front face, c^1 c^2, of the opening or recess is slightly curved or undercut for a like purpose.

A modification of my invention is represented in side elevation at Figs. 8 and 9, and in plan at Fig. 10, as applied to a pair of sliding sashes. In this case the lever *c* is formed without the recess, but with a central bar, c^3, in lieu thereof, to work in a space or slot formed in the center of double or forked studs or projections a' b^1.

The lever *c* is increased in width at c^4, beyond the bar c^3, to enable it to take a bearing against the backs b^3 b^4 of the double or forked stud or projection b^1; and the faces of the parts c^4 are formed in a similar manner to the inner front face, c^1 c^2, of the opening or recess in the lever *c*.

By the aid of my invention I am not only enabled to lock the two parts of the fastener together, but if a window has dropped a short distance or is not completely closed, I am enabled to bring the parts up to and secure them in their required position; and, if desired, the parts of the fastener may be so fixed as to enable a window to be opened to a certain distance and there fixed; and I would further remark that the handle of the lever *c* may be placed in any direction in relation to such lever for convenience or otherwise; and the said lever may be secured in its locking position by means of a bolt or other suitable means, as will be well understood.

Having thus described the nature of my said invention, what I claim, and desire to secure by Letters Patent, is—

The sash-fastener herein described, consisting of the plates *a b*, secured to the meeting-rails, said plates being provided with fixed rectangular studs or projections a' b^1, impinging on each other throughout their length, and a locking-lever, *c*, pivoted at one end to the stud or studs on one meeting-rail, and adapted to draw said studs together and bind them in locking position, substantially as set forth.

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Witnesses:
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