No. 854,854. PATENTED MAY 28, 1907.

C. E. THOMAS.

SASH FASTENER.

APPLICATION FILED APR. 15, 1905.

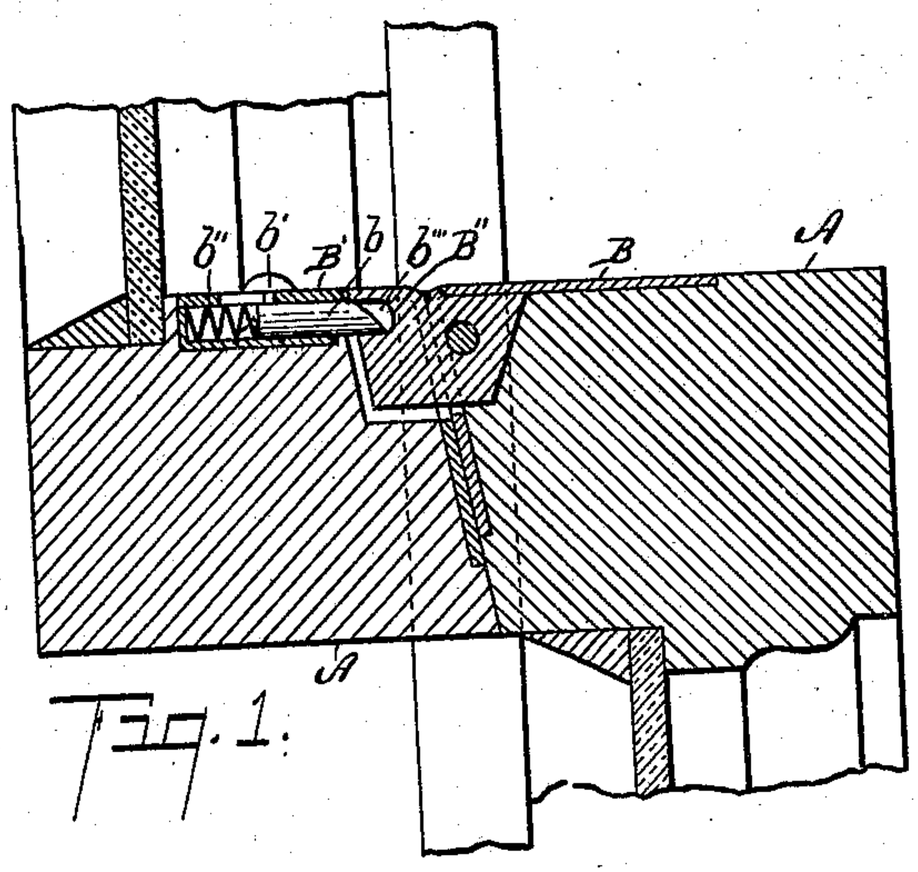

Fig. 1.

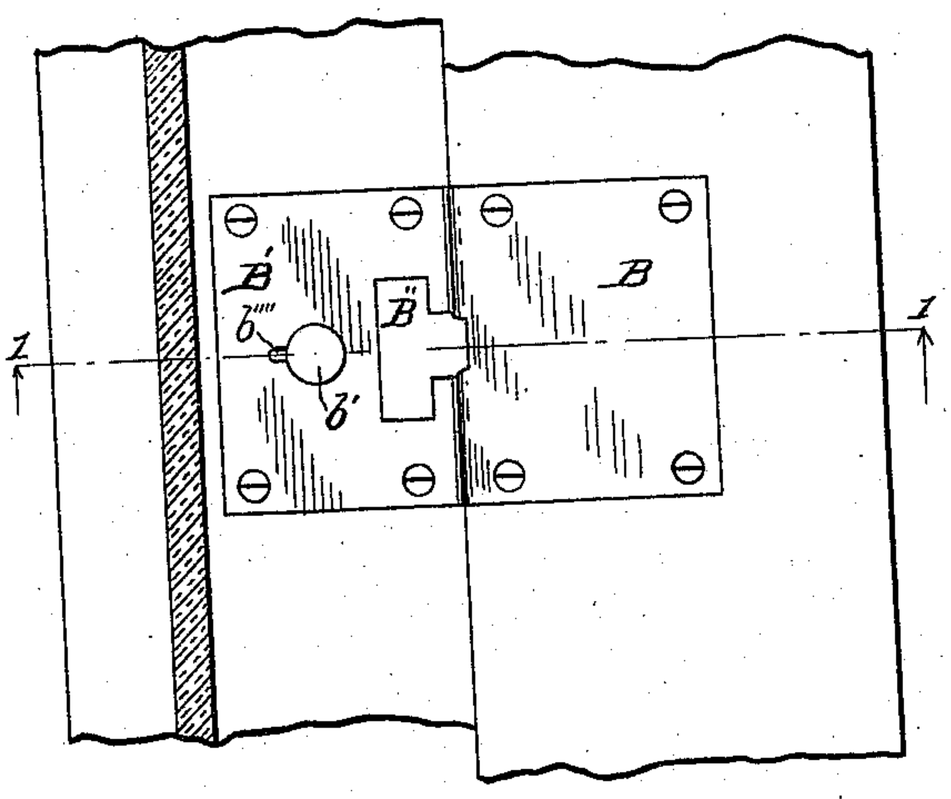

Fig. 2.

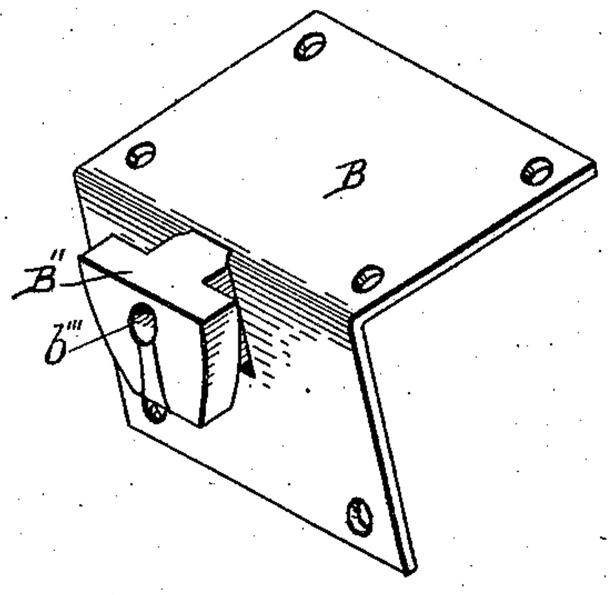

Fig. 3.

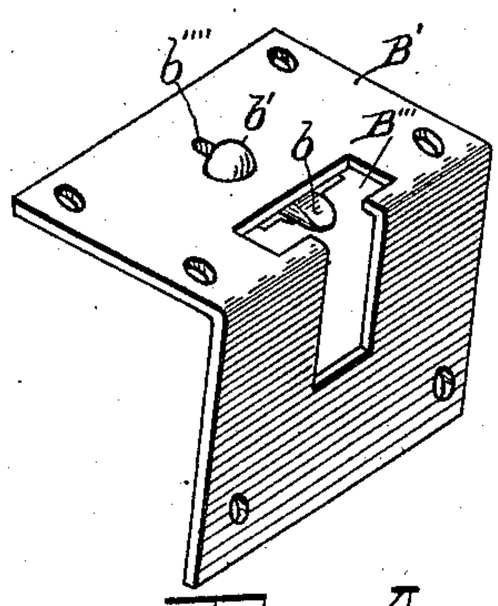

Fig. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

CLIFFORD E. THOMAS, OF SYRACUSE, NEW YORK, ASSIGNOR OF ONE-HALF TO A. R. THOMAS, OF KALAMAZOO, MICHIGAN.

SASH-FASTENER.

No. 854,854. Specification of Letters Patent. Patented May 28, 1907.

Application filed April 15, 1905. Serial No. 255,710.

To all whom it may concern:

Be it known that I, CLIFFORD E. THOMAS, a citizen of the United States, and a resident of the city of Syracuse, in the county of Onondaga, State of New York, have invented certain new and useful Improvements in Sash-Fasteners, of which the following is a specification.

This invention relates to improvements in sash fasteners.

The objects of this invention are, first, to provide an improved sash fastener by which the sashes are effectively and automatically secured. Second, to provide an improved sash fastener which is simple in structure, easy to manipulate, and inconspicuous in use.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawing forming a part of this specification, in which—

Figure 1 is a detail sectional view of the meeting rails of a window with my improved sash fastener in position, taken on a line corresponding to line 1 1 of Fig. 2. Fig. 2 is a plan view of the structure appearing in Fig. 1. Figs. 3 and 4 are perspective views of the members of my improved sash fastener.

In the drawing similar letters of reference refer to similar parts throughout the several views.

Referring to the drawing, A A′ are the meeting rails of the sashes of a window of the common construction. My improved sash fastener consists of two members, B and B′. The member B consists of an angular plate adapted to fit over the edge of the sash rail A, having a laterally projecting T-shaped engaging portion B″. The fastener member B′ consists of a corresponding angular plate adapted to fit over the edge of the rail A′. This plate is provided with a slot B‴ adapted to receive the engaging portion B″ of the member B when the members are in their engaging position. A catch pin *b* is secured to the under side of the slotted member. This pin is adapted to engage in the hole *b‴* in the engaging portion B″ of the member B when the parts are in their engaging position. A coiled spring *b″* holds the spring normally outward. (See Fig. 1.) A button *b′*, the stem of which is arranged through a suitable slot *b⁗* to engage the pin *b*, is provided for releasing the catch.

The plates or body portions of the fastener members are countersunk in the rails so that they lie flush with the surface thereof, as clearly appears in Figs. 1 and 2. When thus arranged, the only projection above the surface of the rails is the button *b′*, so that the fastener is very inconspicuous.

The windows are automatically secured when closed, and can be very easily released. A further advantage is that the fastener tends to draw the meeting rails together when the window is closed and holds them firmly to each other, thereby preventing rattling of the rails against each other. The engaging portions B″ and the slot B‴ are preferably arranged to accomplish this result.

My improved sash fastener is very simple in construction and at the same time it is very strong and durable. I have illustrated and described the same in the form preferred by me on account of its structural simplicity and convenience in use. I am, however, aware that it can be considerably varied in structural details without departing from my invention.

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

1. In a sash fastener, the combination with the meeting rails, of a fastener member comprising a plate, angular in form to fit over the edge of a rail, countersunk therein, a laterally projecting T-shaped engaging portion having a hole therein, carried by said plate, and an opposite fastener member comprising a plate, angular in form to fit over the edge of the other rail, countersunk therein, having a slot therein adapted to receive said engaging portion, a catch pin arranged on the inside of said plate, adapted to engage in said hole in said engaging portion when said members are in their engaging position, and a finger-piece for said catch pin, for the purpose specified.

2. In a sash fastener, the combination with the meeting rails of a pair of fastener members comprising angle-plates arranged

over the facing edges of said meeting rails, one of said fastener members having a laterally projecting T-shaped engaging portion on its vertical arm, and the other a vertical slot in its vertical arm, adapted to receive said engaging portion, said engaging portion being adapted to draw said members toward each other as they are brought into engagement; an automatic catch for locking said members in engagement; and a finger-piece for said catch, projecting through the horizontal arm of one of said plates, for the purpose specified.

In witness whereof I have hereunto set my hand and seal in presence of two witnesses.

CLIFFORD E. THOMAS. [L. S.]

Witnesses:

CHARLES M. WIRTH,

J. B. MACKISSICK.