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FASTENING FOR STORM BLINDS OR SCREENS.
APPLICATION FILED MAR. 11, 1909.

929,507.

Patented July 27, 1909.

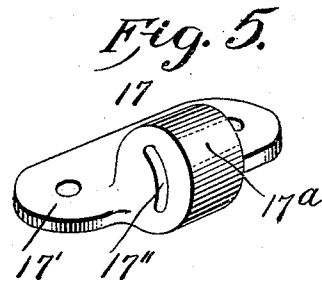
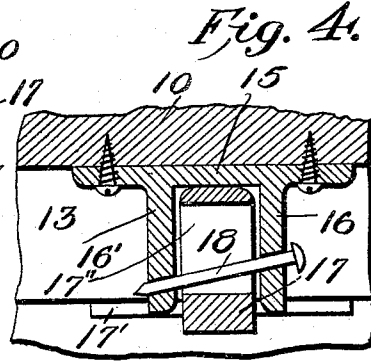
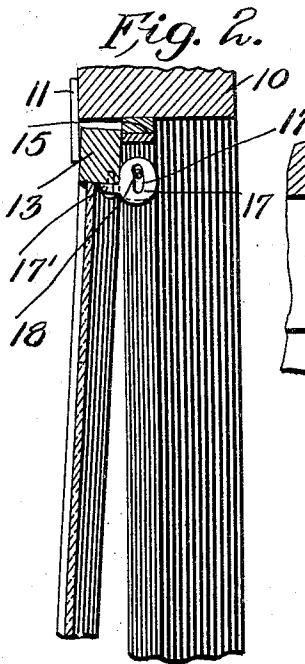
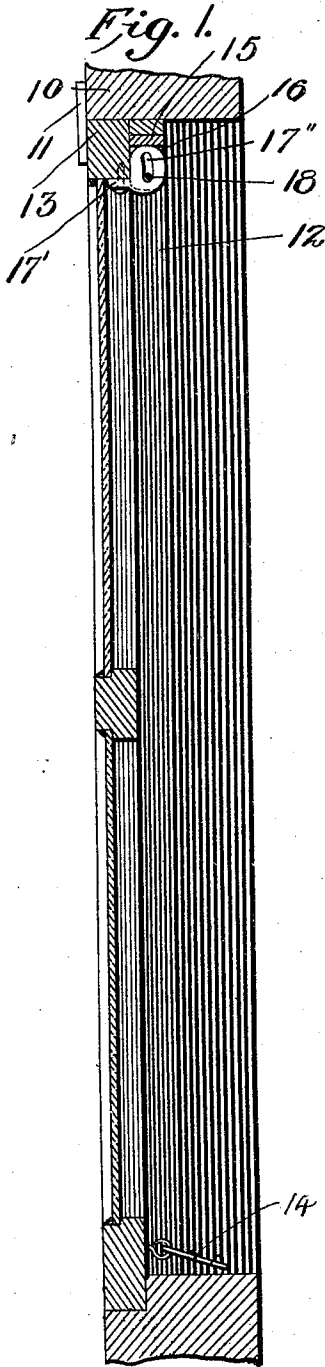
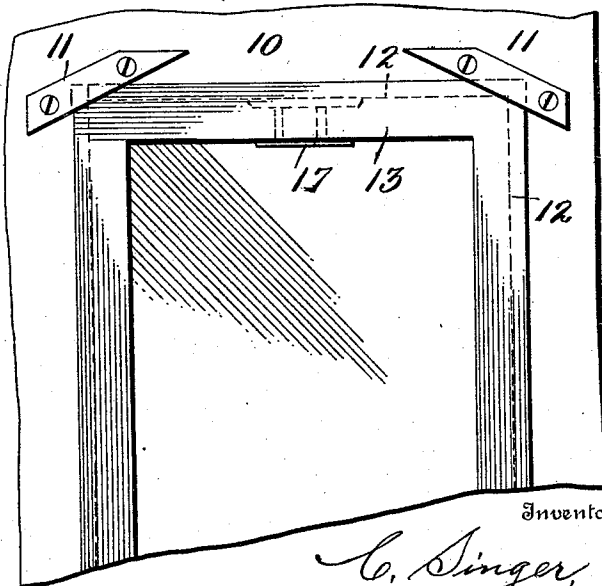


Fig. 3.



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UNITED STATES PATENT OFFICE.

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FASTENING FOR STORM BLINDS OR SCREENS.

No. 929,507.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed March 11, 1909. Serial No. 482,736.

To all whom it may concern:

Be it known that I, CHARLES SINGER, a citizen of the United States, residing at Winfred, in the county of Lake and State of South Dakota, have invented certain new and useful Improvements in Fasteners for Storm Blinds or Screens, of which the following is a specification.

This invention relates to means for detachably supporting storm window blinds or screens in place in window frames, and has particular reference to a means where window elements may be put in place with facility from the inside of the window.

It is a well known source of expense, trouble, and danger for a person to be obliged to ascend upon ladders or scaffolding on the outside of a building for the purpose of manipulating detachable parts, as above indicated. It is to overcome the aforesaid disadvantages and to supply an attachment for blinds or the like which shall be both easy to manipulate and cheap to install and maintain that is contemplated herein.

For a full understanding of the invention, reference is to be had to the following detail description and to the accompanying drawings, in which—

Figure 1 is a vertical sectional view through a window frame and storm window secured therein, certain parts being shown in section; Fig. 2 is a view similar to that of Fig. 1, showing the storm window swung outwardly at the bottom; Fig. 3 is a view of a part of the same devices as seen from the outside; Fig. 4 is an inside view of the fastener, partly in section, and Fig. 5 is a detail perspective of one member of the fastener.

Throughout the following detail description, and on the several figures of the drawings, similar parts are referred to by like reference characters.

Secured in any suitable manner to the outside surface of the window frame 10 are cleats 11, projecting across the corners of the seat for the storm window or screen. Said cleats may be secured to the window frame at any suitable time, preferably when the building is erected, and become a permanent part of the building construction. A window strip 12 is secured to the window frame in the usual manner and against the outer edge of which the storm window frame 13 is adapted to be seated. The upper corners of the frame 13 are received beneath the cleats 11,

whereby the upper end of the storm window is secured in place against the strip 12. Any suitable fastening means such as a common hook 14 may be employed to secure the lower end of the storm window in place against the strip 12.

In order to provide a means whereby it will be impossible under ordinary circumstances for the storm window to fall and thereby become damaged or cause injury to passers-by, and also to provide a means whereby the storm window may be swung outwardly from the bottom either for the purpose of ventilation or for dusting and cleaning out the window I make use of the following devices: A member 15 is secured in any suitable manner, preferably on the lower face of the upper member of the strip 12 and the same is provided with downwardly projecting ears or lugs 16 and 16'. A tongue member 17 is connected to the top rail of the storm window, preferably by means of a flange 17' attached to the lower surface of said rail. The member 17 is provided with a tongue or lug 17^a which is received between the lugs 16 and 16' of the first mentioned member. This operation follows as a matter of course from the slipping of the storm window into place beneath the cleats 11. After the window is thus put in place a pin or bolt 18 is passed through holes in the lugs 16 and 16' and through a slot 17'' in the tongue member. The pin 18 is preferably disposed in an inclined position, as indicated in Fig. 4 in order to obviate necessity for providing any special means therefor to keep it from dropping or losing out. After being assembled as above indicated the storm window may be loosened at the bottom and moved outwardly for any purpose and there will be no possibility for the same to fall. The slot 17'' in the tongue member provides sufficient clearance to permit the storm window to slip downwardly so as not to be cramped between the cleats 11 and the strip 12 when the lower end thereof is swung outwardly.

The window frame equipped as above described with the cleats 11 and anchor member 15 will be always ready to receive either a storm window or a screen, each of the latter being provided preferably with a tongue member 17. The storm windows and blinds or screens may therefore be interchanged according to the season with facility.

Having thus described the invention, what is claimed as new is:

1. In a fastener of the character described, the combination with a window frame, of a
5 pair of cleats and an anchor member secured thereto, the latter having downwardly projecting spaced lugs, a storm window seated beneath the cleats, a tongue member having a flange connected to the top rail of the
10 storm window and extending between the lugs of the anchor member, said tongue member having a slot, and a bolt passed through the anchor member lugs and the slot of the tongue member.
- 15 2. In a device of the character set forth, the combination of an anchor member hav-

ing downwardly projecting lugs, said lugs having holes in alinement with each other at an inclination, a tongue member having an attachment flange and provided with a
20 tongue extending between the aforesaid lugs, said tongue having a slot lying between the perforations of the anchor lugs, and a bolt fitted in the lug perforations and passing
25 through said slot.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES SINGER.

Witnesses:

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