

I. D. FOX.
 STORM SASH FASTENER.
 APPLICATION FILED AUG. 10, 1912.

1,051,321.

Patented Jan. 21, 1913.

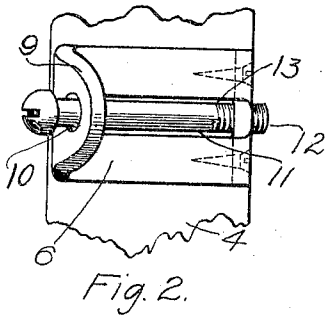
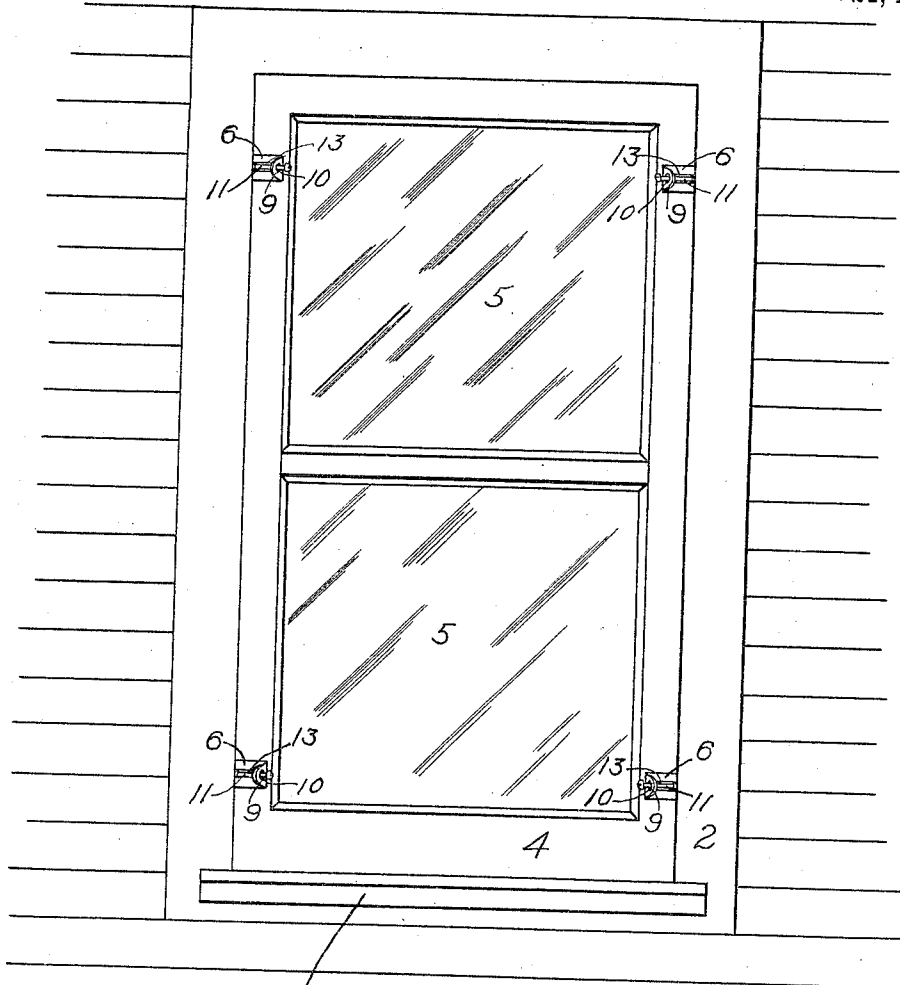


Fig. 1.

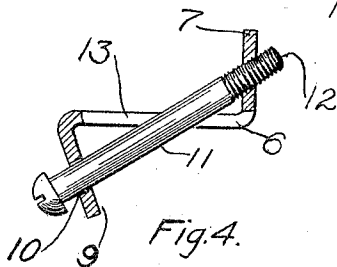
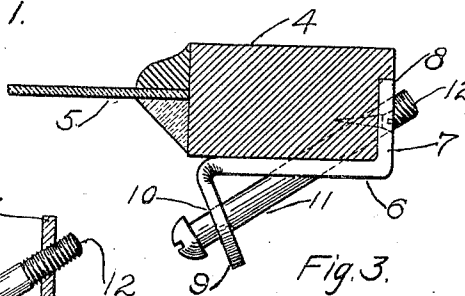


Fig. 3.

Fig. 4.

WITNESSES
H. E. Lambert
G. E. Sorenson

INVENTOR
 IRVIN D. FOX
 BY *Paul Paul*
 ATTORNEYS

UNITED STATES PATENT OFFICE.

IRVIN DEXTER FOX, OF AUSTIN, MINNESOTA.

STORM-SASH FASTENER.

1,051,321.

Specification of Letters Patent.

Patented Jan. 21, 1913.

Application filed August 10, 1912. Serial No. 714,456.

To all whom it may concern:

Be it known that I, IRVIN D. FOX, of Austin, Mower county, Minnesota, have invented certain new and useful Improvements in Storm-Sash Fasteners, of which the following is a specification.

My invention relates to devices for securing a storm sash in a window and the object of the invention is to provide a securing means which will enable the person who is fitting the sash in place to easily and quickly secure it without the use of nails and without damaging or marring the visible portion of the window casing.

A further object is to provide a fastening device of simple construction and one which can be permanently attached to the storm sash and ready for use at any time.

My invention consists generally in various constructions and combinations, all as hereinafter described and particularly pointed out in the claims.

In the accompanying drawings forming part of this specification, Figure 1 is an elevation of a window, showing a storm sash with my invention applied thereto, Fig. 2 is a detail view of the fastening device mounted on the sash, Fig. 3 is a transverse sectional view through one of the side rails or stiles of the sash, Fig. 4 is a detail view of the fastening device removed from the sash.

In the drawing, 2 represents a window casing of ordinary construction, having the usual sill 3.

4 is a storm sash, having the usual end and side rails or stiles and an interposed glass plate 5.

6 is a metal plate having an end portion bent at right angles substantially to the middle portion of the plate and fitting the rabbeted edge 8 of the stile and secured thereto by screws or other suitable means. The plate 6 is also provided with an outwardly and inwardly turned end 9 having a hole 10 therein to receive a screw 11 provided with a blunt end 12 which is threaded and tapped into the end 7 of the plate 6. This screw extends diagonally with respect to the plate 6 and through a longitudinal slot 13 therein and its blunt end is adapted to engage the inner edge of the casing 2 and when the screws are tightened on the opposite side of the storm sash it will be effectually locked on its seat and cannot possibly

be blown out by the wind or become accidentally detached in stormy weather.

As many of these fastening devices may be used on the sash as required, but generally I provide two on each side, as I have found this sufficient to hold the sash securely and positively prevent it from falling out of its seat in the window. The blunt end of the screw will only make a slight indentation in the casing, which will not be visible from the outside of the window and will not in any way mar or damage the appearance of the window. The fastening device being permanently mounted on the sash, it is always ready for use whenever it is desired to put on the storm windows.

As indicated in dotted lines in Fig. 3, a hole will be formed through the edge of the stile to receive the screw and guide it to its seat on the casing, and the screw will aid in holding the fastening device on the window.

The device may be made in various sizes to adapt it for different sizes of windows and different widths of stiles, and in various ways the details of construction may be modified and still be within the scope of my invention.

I claim as my invention:—

1. The combination, with a sash stile having a rabbeted outer edge, of a plate fitting the outer face of said stile and having an inwardly turned end to fit the rabbeted edge of said stile, means securing said end to said stile, said plate having a slot therein and an outwardly turned outer end, a screw fitting within a hole in said outwardly turned end and the slot in said plate and passing diagonally through a corner of said stile and having a blunt threaded end that is tapped into the inwardly turned end of said plate.

2. The combination, with a sash stile, of a plate fitting the outer face of said stile and having an inwardly turned end to fit the edge of said stile and also provided with an outwardly turned end, and a screw fitting loosely within said outwardly turned end and passing through said stile and having its inner end tapped into the inwardly turned end of said plate and adjustable therein.

3. The combination, with a sash stile, of an angle plate fitting the corner of said stile and secured thereto, the section of said plate

fitting the outer face of said stile having a
 guide hole therein and the portion of said
 plate fitting the edge of said stile having a
 threaded socket therein and a screw passing
 5 through the guide hole in said plate and
 through the corner of said stile and having
 a threaded end fitting the threaded socket in
 said plate, said threaded end being squared

or blunted to engage the window casing, for
 the purpose specified.

In witness whereof, I have hereunto set
 my hand this sixth day of August 1912.

IRVIN DEXTER FOX.

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Witnesses:

H. L. BANFIELD,
 W. P. BENNETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
 Washington, D. C."