J. M. HJERMSTAD.

SUSPENDING DEVICE FOR STORM WINDOWS AND LIKE STRUCTURES.

APPLICATION FILED FEB. 23, 1912.

1,035,010. Patented Aug. 6, 1912.

Fig. 1.

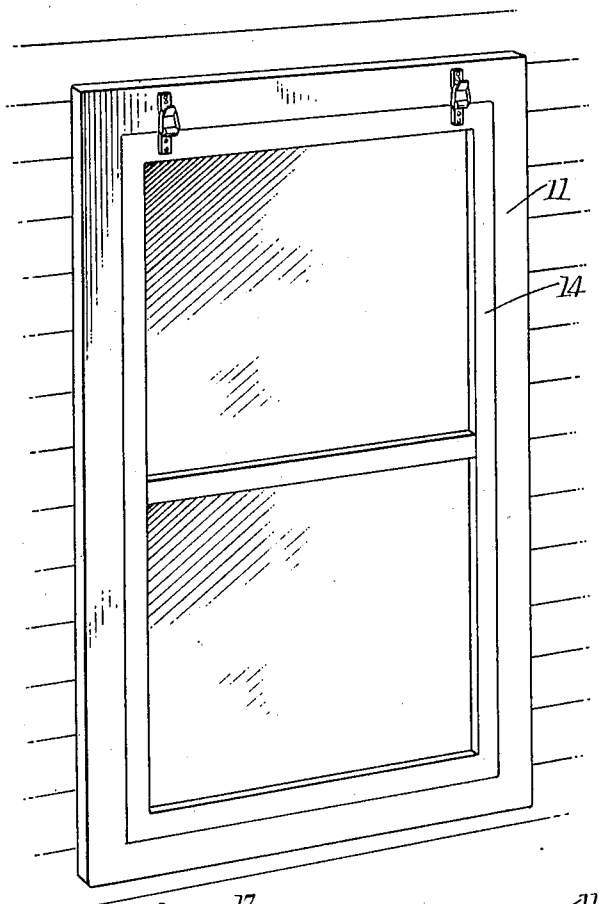


Fig. 2.

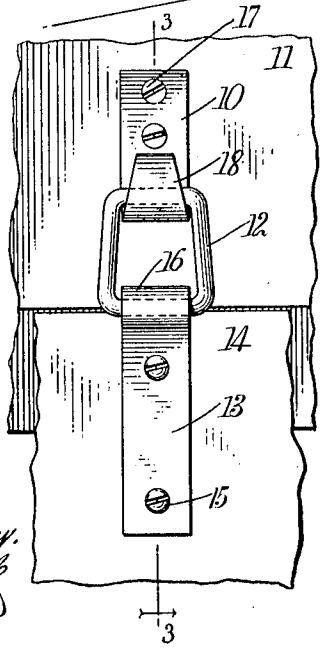
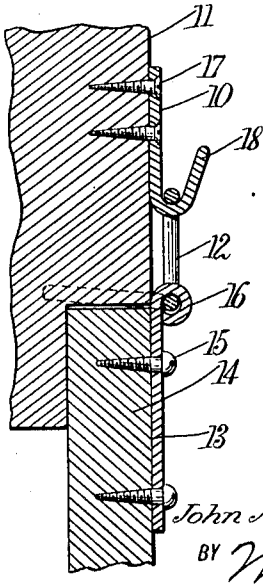


Fig. 3.



WITNESSES

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SUSPENDING DEVICE FOR STORM-WINDOWS AND LIKE STRUCTURES.

1,035,010. Specification of Letters Patent. Patented Aug. 6, 1912.

Application filed February 23, 1912. Serial No. 679,467.

To all whom it may concern:

Be it known that I, JOHN M. HJERMSTAD, a citizen of the United States, and a resident of Red Wing, in the county of Goodhue and State of Minnesota, have invented a new and Improved Suspending Device for Storm-Windows and Like Structures, of which the following is a full, clear, and exact description.

The invention is intended more particularly for use in connection with storm windows, screens, etc., such as are removably swung by their upper ends so as to admit of being fastened in vertical position in a window or door opening, or swung on their supporting means to a position inclining to the opening.

An object of my invention is to provide a device of the indicated character, whereby a storm window, screen, or other like protector can be secured in place with convenience and despatch, and as readily removed when desired. In my improved device provision is made for accommodating the storm window or other protector to casings of different thicknesses since by its use the protector can assume a vertical position in the opening in connection with which it is employed, and be suspended from the outer face of the casing whether the outer face of the protector is flush with the face of the casing or not.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a window casing and storm window with my improved fastener in position; Fig. 2 is an enlarged front elevation of the fastener showing a portion of the casing and storm window; and Fig. 3 is a vertical section on the line 3—3 of Fig. 2.

The suspending device comprises a hook member 10, attachable to the casing 11 of a window, door or other opening in a building, a link 12 having detachable engagement with the hook, and a member 13 for securing the link to a storm window 14 or other protector, the securing member 13 in the preferred form, consisting of a strap fastened in place by screws 15 or other similar means, and formed at one end with a sleeve 16 embracing the adjacent side of the link 12, so that the latter can swing relatively to the strap 13. The hook 10 comprises any suitable shank fastened as by screws 17, and the bill or hook proper 18, which desirably inclines outwardly and upwardly, as clearly shown in Fig. 3.

It will be seen that by the use of my improved suspending device, a storm window, for instance, can be readily and conveniently hung from the inside of the building through the window opening, since the link 12 may lie horizontally on the top edge of the storm window 14, to project beyond the inner face thereof, see dotted lines Fig. 3. In this way the link 12 can be engaged with the bill 18 of the hook 12 while the storm window 14 is raised in a vertical position; whereas with the usual form of hangers, storm windows must be tilted to a particular angle to effect engagement with the overhead hanger on the casing. Again; if the casing in which the protector 14 is to be hung is of less thickness than the protector so that the outer face of the latter will lie in a plane outside of the casing, then obviously the link 12 can assume an inclined position inwardly from the hinged sleeve 16 to the base of the hook 18, and yet permit the protector 14 to hang vertically.

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

1. A suspending device for storm windows and like structures, comprising an upper frame member consisting of a flat plate having an upturned, outwardly-inclined rigid hook at its lower end, a second member consisting of a flat plate securable to a storm window or the like, and a link adapted to receive the mentioned hook, and having its four sides in substantially the same plane, the lower end of the link being hinged to the upper end of the said second member to swing to an approximately horizontal position at the inside of the said second member and substantially at right angles to the inner face of the said second member and movable to a second position in a plane parallel with the frame member and the said second member, outside of the plane of said members.

2. A suspending device for storm windows and like structures, comprising a member consisting of a plate securable to a storm window or the like, a link having its lower end hinged to the upper end of the said member to swing to approximately hori-

zontal position at the inside of the said member whereby to project beyond the inner face of the window, and a frame member adapted to be secured to the window frame, said member having an upwardly projecting hook with which the upper end of the link may engage.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN M. HJERMSTAD.

Witnesses:
JOHN G. GILBERTSON,
ANDREW LINDGREN.