No. 839,963. PATENTED JAN. 1, 1907.

A. SCHROEDER.

HINGED HANGER.

APPLICATION FILED MAY 12, 1906.

Fig. 3

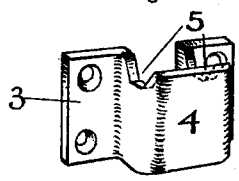


Fig. 1

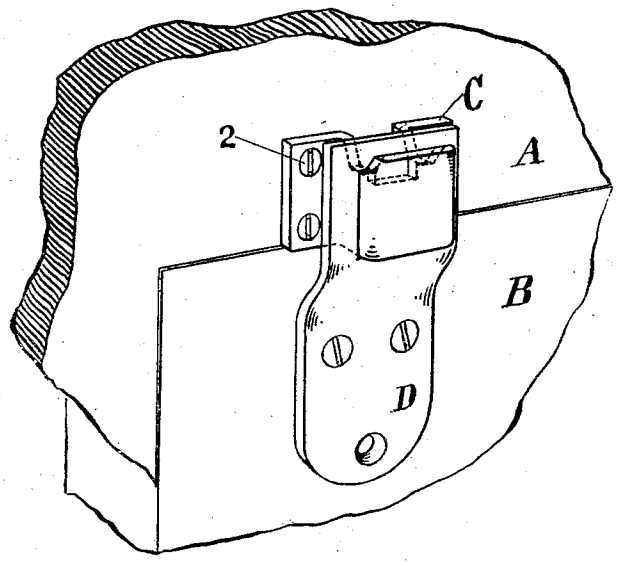


Fig. 4

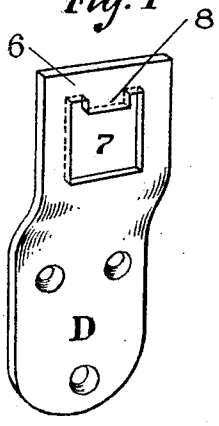
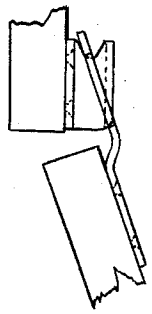


Fig. 2



Witnesses
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HINGED HANGER.

No. 839,963. Specification of Letters Patent. Patented Jan. 1, 1907.

Application filed May 12, 1906. Serial No. 316,492.

To all whom it may concern:

Be it known that I, ANTON SCHROEDER, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Hinged Hangers, of which the following is a specification.

My invention relates to improvements in hinge-hangers for storm window-sash and screen-windows, its object being to provide a simple construction of separable hinge-hanger which will allow free swinging and easy removal of the window from the frame, while at the same time preventing the window being jarred or blown from the frame, and which will prevent rattling or looseness of the window.

To this end my invention consists in the features of construction hereinafter more particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of a portion of a window sash and frame fitted with my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a detail of the hook member of my invention, and Fig. 4 is a detail of the pintle member of my invention.

In the drawings, A represents the window-frame, and B the storm-sash fitted thereto. Secured to the outer face of the top cross-bar of the window-frame, as by means of screws 2, are the hook members C. Secured to the outer face of the sash B in position to engage with the hook members C are pintle members D. A pair of pintle and hook members will ordinarily be used to support both sides of the sash.

The hook member C is bent to form side flanges 3, through which the retaining-screws 2 pass, and an intermediate outwardly-bent hook portion 4. The hook portion 4 is formed in the upper edges of its side walls with notches 5, designed to receive the upper cross-bar 6 of the pintle member D. The upper end of the pintle member D is bent outwardly, as shown best in Fig. 2, and formed with an opening 7, which receives the hook portion 4 of the hook member. The cross-bar 6 of the pintle member formed by the opening 7 is formed with a downwardly-projecting lug or stop 8, which extends downwardly into the hook portion 4, as illustrated by dotted lines in Fig. 1. The lower edge of the hook portion 4 and the adjacent edge of the pintle member are chamfered to allow easy swinging of the sash.

In operation the hook and pintle members of the hangers being secured, respectively, to the window frame and sash the sash will be hung by holding the sash at such upturned position that the pintle members may be connected with the hook members, the sash then dropping to normal suspended position. When hung, the sash will swing freely, as illustrated in Fig. 2, but cannot be lifted out of the window-frame or be disengaged from the hook members unless it is opened far enough to carry the pintle members entirely from under the hook portions 4, when it can be lifted. The lugs 8 serve as stops, preventing the window from being blown or pushed outward and disengaged from the hook members, and also assist in preventing rattling, since they fit closely into the open upper ends of the hook portions 4.

I claim—

1. An improved article of manufacture for storm-sash consisting of hook and pintle members, the hook member being secured to the outer face of the frame and being provided with an outwardly-bent hook portion, and the pintle member being secured to the adjacent edge of the sash, said pintle member being formed with an opening to receive said hook portion and with a lug positioned to extend downwardly behind said hook portion for the purpose set forth.

2. As an improved article of manufacture, a hinge-hanger for window-sash consisting of hook and pintle members, the hook member being secured to the outer face of the window-frame and having an outwardly-bent and vertically-hollowed hook portion, said hook portion being formed with notches in the upper edges of its side walls, the pintle member being secured to the adjacent edge of the sash, said pintle member being formed with an opening to receive said hook portion, and with a lug positioned to extend downwardly into said hook portion.

3. As an improved article of manufacture, a hinge-hanger for window-sash consisting of hook and pintle members, the hook member being secured to the outer face of the upper rail of the window-frame, and being provided

with a forwardly-extending substantially U-shaped hook portion having the upper edges of its sides formed with notches, the pintle member being secured to the adjacent edge of the sash and formed with an opening to receive said hook portion, the cross-bar of said pintle member formed by said opening fitting into the notches of said hook portion and provided with a lug extending downwardly into said hook portion.

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

ANTON SCHROEDER.

Witnesses:

H. S. JOHNSON,

ANNA I. MADDEN.