No. 665,752. Patented Jan. 8, 1901.

J. H. PEASE.

HINGE FOR STORM WINDOWS.

(Application filed Apr. 27, 1900.)

(No Model.)

Fig. 1.

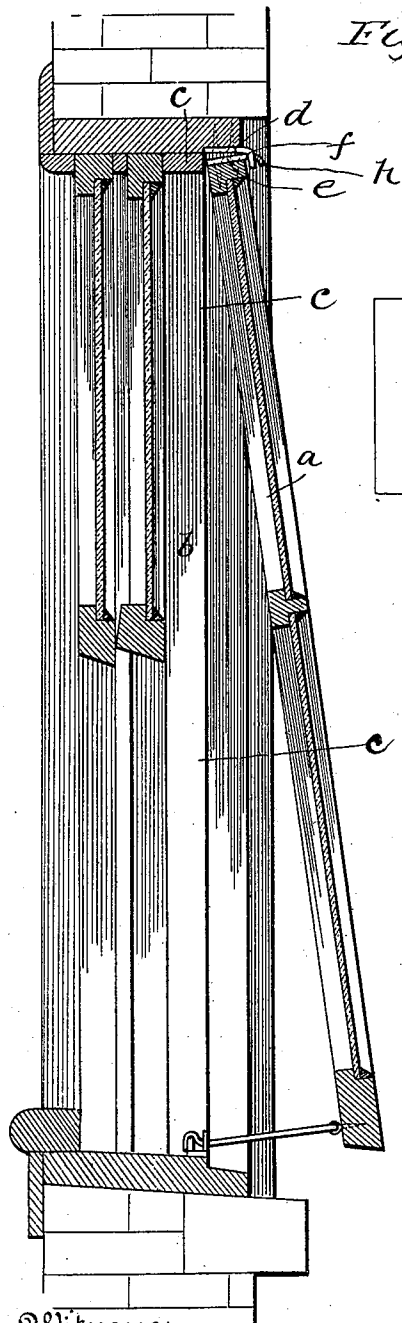


Fig. 2.

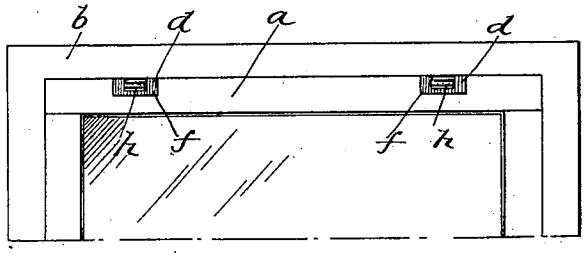
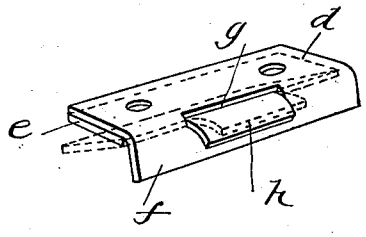


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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HINGE FOR STORM-WINDOWS.

SPECIFICATION forming part of Letters Patent No. 665,752, dated January 8, 1901.

Application filed April 27, 1900. Serial No. 14,617. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. PEASE, a citizen of the United States, residing at Cedar Rapids, county of Linn, and State of Iowa, have invented certain new and useful Improvements in Hinges for Storm-Windows, &c., of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a vertical sectional view of a window provided with my improved hinge; Fig. 2, a front outside view of the upper part of the window, and Fig. 3 a detail perspective view of a hinge complete.

This invention is designed to provide a simple and inexpensive hinge device for storm-windows and the like which may be attached to all kinds of window-frames in common use; and this invention consists of certain novel features of construction hereinafter described and claimed.

The storm-sash *a* is adapted to fit snugly within the outer edge of the window-frame *b*, as usual, bearing against shoulders or beads *c* thereon. The sash is hinged to the frame at its upper end by a pair of my improved hinges, and each hinge is constructed of two plates or leaves *d* and *e*, the plate *d* being fastened by suitable screws to the upper cross-bar of the window-frame and the plate *e* being fastened by screws to the upper edge of the sash, both plates being set in recesses, so as to come in close contact when the sash is closed. The upper plate *d* projects beyond the outer edge of the sash and is bent downward to form a hook-like portion *f*, and in this hook portion is formed a slot *g*, running parallel to the projecting edge of the plate and in a plane below the lower face of the plate. The plate *e* is provided with an outward-projecting tongue *h*, which extends through slot *g* and turns down slightly, whereby the two plates are hinged together without the use of the ordinary pintle.

This hinge is adapted for use especially in connection with those storm-windows, &c., which are connected at their lower ends to the window-frame and are permitted to swing outward but a limited distance for ventilation, &c., as shown, for instance, in my patent No. 645,489, dated March 13, 1900. To detach the storm-sash from its frame, it is simply necessary to first unhook or detach the lower fastening device and then swing the lower end of the sash outward and upward sufficiently to permit the tongues *h* to slip out of the slots in hooks *f*.

It will be observed that after the fastening device at the lower end of the sash is attached it will be impossible to detach the sash, since the same cannot be swung out far enough to remove tongues *h* from their slots, although the sash is free to be swung out a limited distance for ventilation, &c. It will be observed that an essential feature of advantage lies in the fact that this hinge may be attached from inside the building, and also (since the hinges are adapted to be secured to the under side of the upper bar of the window-frame) that the hinge is adapted for use in all kinds of buildings, whether wooden or stone.

It will be observed that the back of sash *a* comes in contact with the stop or shoulder *c* and forces the tongues *h* through the slots *g*, thereby preventing the hinge from becoming disconnected unless the sash is swung out a predetermined distance. It will be observed also that the hinge can be equally-well applied whether or not the outer face of the sash comes flush with the outer face of the window-frame.

As this improved hinge is adapted for use on fly-screens, awning-shutters, &c., I therefore do not wish to be confined in respect of the use or application of the invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

A separable hinge for storm-windows, comprised of two plates adapted to be respectively attached to the stationary part and the removable part and to lie closely together, the upper plate having its forward edge turned down and slotted longitudinally at a point below the plane of its lower face and the lower plate having its forward edge extending through said slot and also turned down, whereby the two plates will be interlocked and both the projecting parts thereof will be turned down, substantially as set forth.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 17th day of April, 1900.

JOHN H. PEASE.

Witnesses:
LEM. W. ANDERSON,
ERNEST D. YATES.