

UNITED STATES PATENT OFFICE.

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WINDOW BRACE AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 638,845, dated December 12, 1899.

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To all whom it may concern:

Be it known that we, OREN J. JENKS and THOMAS M. HIMES, citizens of the United States of America, residing at the city of Merrill, in the county of Lincoln and State of Wisconsin, have invented a new and useful Storm-Window Brace and Fastener, of which the following is a specification.

The object of our invention is to improve and simplify the construction of fasteners for storm-windows. We obtain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents the brace and fastener holding the storm-window open. Fig. 2 represents the brace and fastener as it appears when the storm-window is closed and fastened. Fig. 3 represents the hook or latch *g* as it appears when the storm-window is closed and fastened.

Similar letters refer to similar parts throughout the several views.

Referring again to Fig. 1, *c* and *f* represent two portions of the brace, which are fastened together by a pivot-pin *e*. They are so constructed as to work on the pivot-pin like the blade and handle of a pocket-knife and to close up, as shown in Fig. 2, or to open to a vertical position, as shown in Fig. 1.

To prevent the brace from closing upward or backward, a groove is cut in *c* and a corresponding projection is made from *f* to fit the groove, which are together shown at *d* of Fig. 1.

At one end of the brace is a bracket, (represented by *h* in Fig. 1,) which is fastened to the window-sill with screws or nails and to which the brace is fastened by the pivot-pin *i*, on which the brace swings the distance of a semi-circle from the vertical position shown in Fig. 1 upward and to the right. At the other end of the brace is also a bracket, (represented by *b* in Fig. 1,) which is fastened to the storm-window by screws or nails and to the brace by a pivot-pin, on which the brace swings through

a groove for the distance of a quarter of a circle from the vertical position shown in Fig. 1 upward to a horizontal position. In a groove in said last-named bracket and just below the brace, as shown in Fig. 1, is a hook or latch *g*, which is fastened to the bracket by a pivot-pin, on which it swings slightly upward and downward and which when the storm-window is closed passes over the bracket *h* and hooks or latches on the outer edge thereof, as shown in Fig. 3.

In opening the storm-window it is only necessary to push the same away from the window-sill to such an extent that the brace will be straightened out, when the weight of the storm-window holds the brace in position.

In closing the storm-window a slight pressure backward against the brace allows the storm-window to close, and by reason of the hook or latch *g* being loose, as hereinbefore mentioned, the weight of the storm-window pushes it across the bracket *h*, where it fastens itself, and thus holds the storm-window in position and prevents it from opening. It will thus be seen that the bracket *h* is so formed that a portion thereof acts as a keeper to be engaged by said hook or latch.

What we claim as our invention, and desire to secure by Letters Patent, is—

In a window or other fastener a bar formed of two or more sections pivotally connected together, a bracket to which the free end of one of said sections is pivoted, a latch pivoted to said bracket, a bracket to which the free end of another of said sections is pivoted a portion of said bracket formed as a keeper to be engaged by said latch substantially as shown and described.

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Witnesses:

JOHN VAN HECKE,
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