H. GILES.

WINDOW SCREEN FASTENER.

APPLICATION FILED MAY 5, 1913.

1,160,505. Patented Nov. 16, 1915.

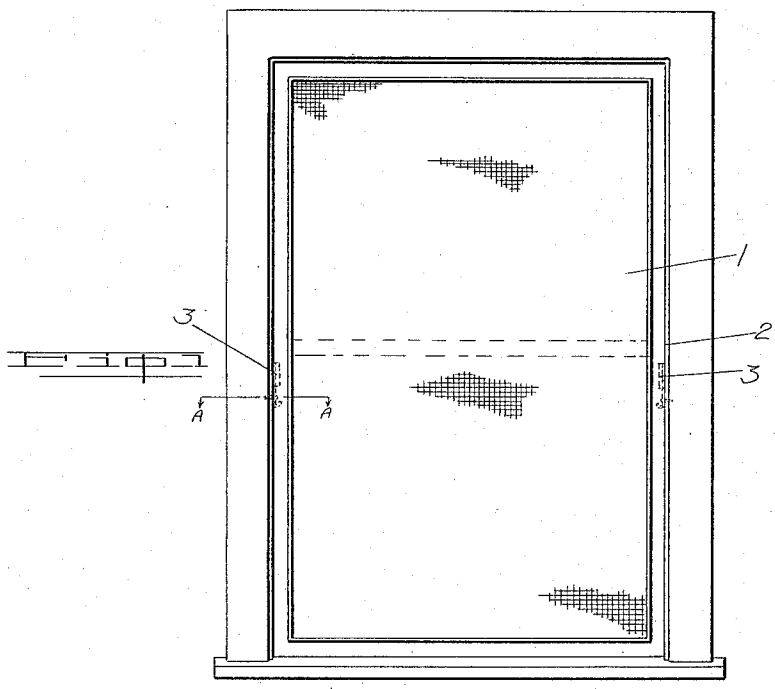


FIG. 1.

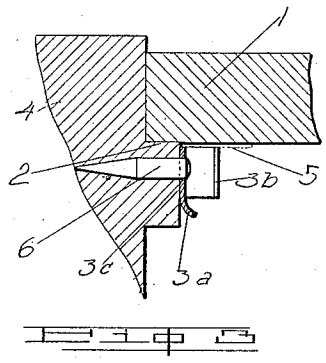


FIG. 3.

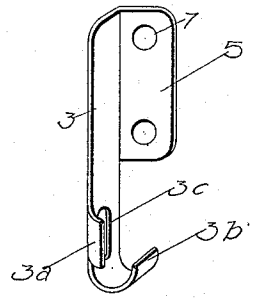


FIG. 2.

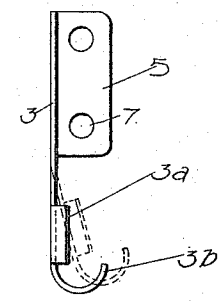


FIG. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

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WINDOW-SCREEN FASTENER.

1,160,505. Specification of Letters Patent. Patented Nov. 16, 1915.

Application filed May 5, 1913. Serial No. 765,474.

To all whom it may concern:

Be it known that I, HENRY GILES, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Window-Screen Fasteners, of which the following is a specification.

The present invention pertains to spring catches and has for its object to provide a catch for the use of window screens by means of which a window screen may be readily placed into the window casing and automatically secured there in a manner that the screen cannot be detached from the outside, but which may be readily released and moved from the inner side.

A further object is to provide a spring catch adapted to be secured upon a base and which is provided with a free wing portion which is sprung into and out of engagement with an external object.

I accomplish the objects set forth by means of the structure illustrated in the accompanying drawing in which—

Figure 1 is a front elevation of a window casing showing a screen secured therein by means of my improved attachment. Fig. 2 is a detail perspective view of my spring catch. Fig. 3 is a transverse sectional view taken on the line A—A of Fig. 1. Fig. 4 is a detail front elevation of the spring catch.

Describing the drawing in detail, 1 designates a window screen fitted against the stop 2 of the window casing and upon the inner face of each of which is secured a spring catch made in the manner of my improved construction.

3 represents the body portion of the catch which is made of spring material and which has a winged portion 5 at its upper end formed at right angles to the body 3 and which is provided with apertures 7 by means of which the catch is fixed upon the frame of the screen with the body 3 standing flush with the outer edge of the frame. The lower end of the body 3 is extended a considerable distance and curved inwardly at 3^b to form a thumb hold by means of which the depending portion may be sprung into and out of engagement.

In the lower portion of the depending spring portion is a longitudinal slot 3^c adapted to engage upon the stud 6 which is fixed in the window casing at the proper point to engage in said opening when the window screen is set into place in the casing. A wing 3^a is formed on the front edge of the body of the spring directly in front of the aperture 3^c and it is curved inwardly to an extent which will carry its edge past the terminal of the projecting stop 6 so that as the screen is forced into place in the casing the wing 3^a at each side will engage upon its respective stud, thus causing the free portion of the spring to yield inwardly as the screen is forced to position and as it becomes seated in place the spring will return to normal position over the stud 6 where it will be retained until the spring is retracted to the position shown in dotted lines in Fig. 4 from the inner side of the window. By this means I have provided a neat and convenient means of attaching and detaching screens so that the screens may be quickly and easily removed and as quickly restored to position.

Having now described my invention what I claim as new and desire to secure by Letters Patent is—

In a window screen fastener, a spring catch comprising a base, a body portion formed at right angles thereto, said body portion being extended beyond the base and recurved to form a hand hold having an oblong aperture in said extended portion and a deflecting wing formed on the free edge of the extended portion corresponding in length with said aperture.

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

HENRY GILES.

Witnesses:

EDWIN E. HECKBERT,

A. J. MATTES.

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