No. 782,023. PATENTED FEB. 7, 1905.

C. W. GREENE.

SCREEN FASTENER.

APPLICATION FILED JUNE 7, 1904.

Fig. 1.

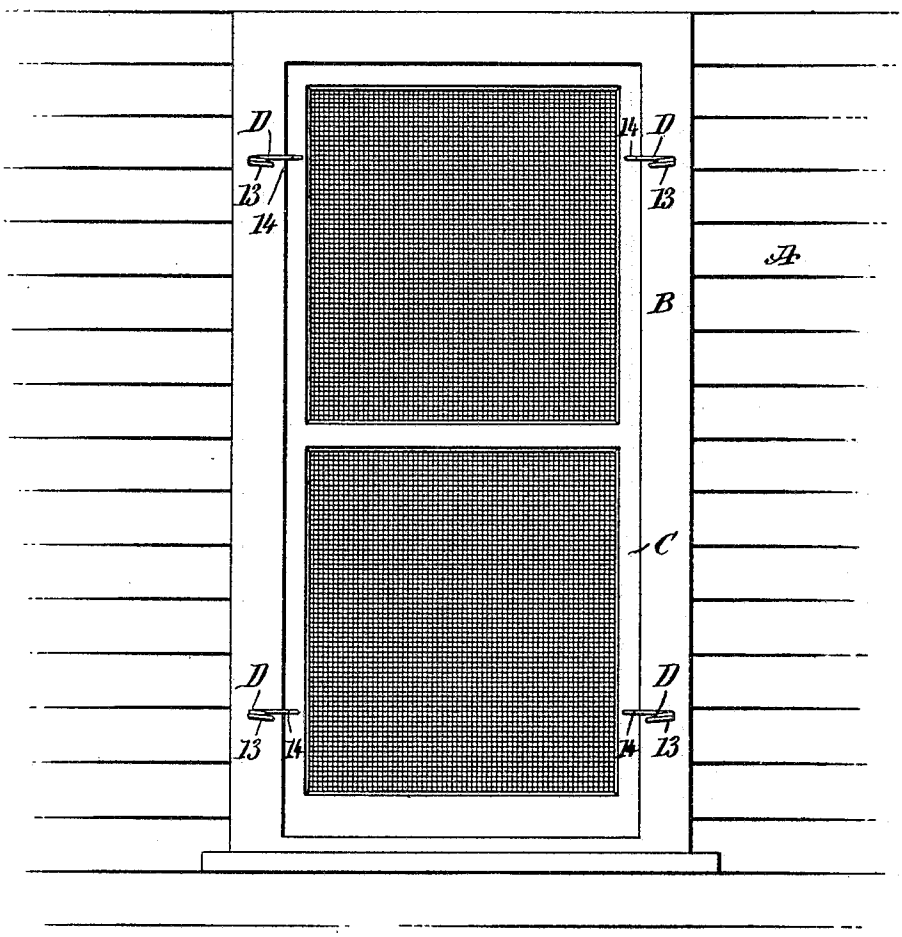


Fig. 2.

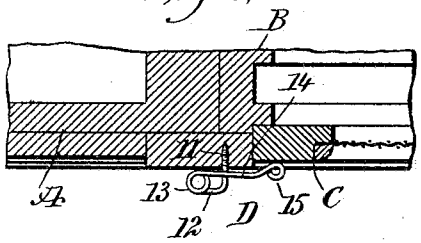
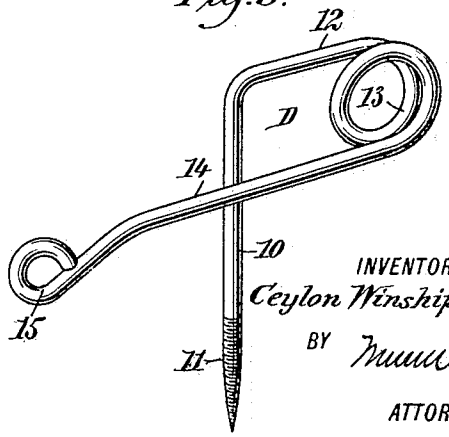


Fig. 3.



WITNESSES:

Edward Thorpe.

Fred Acker.

INVENTOR

Ceylon Winship Greene

BY Munn & Co.

ATTORNEYS

No. 782,023. Patented February 7, 1905.

UNITED STATES PATENT OFFICE.

CEYLON WINSHIP GREENE, OF BROWN VALLEY, MINNESOTA.

SCREEN-FASTENER.

SPECIFICATION forming part of Letters Patent No. 782,023, dated February 7, 1905.

Application filed June 7, 1904. Serial No. 211,466.

To all whom it may concern:

Be it known that I, CEYLON WINSHIP GREENE, a citizen of the United States, and a resident of Brown Valley, in the county of Traverse and State of Minnesota, have invented a new and Improved Screen-Fastener, of which the following is a full, clear, and exact description.

My invention relates to devices for fastening or retaining storm-sashes and window-screens in position in their casings.

The purpose of the invention is to provide a fastening device which can be expeditiously secured in a casing and which may remain therein when the screen or the storm-sash is removed and also to so construct the fastening device that it will be provided with a spring retaining-arm capable of being quickly and readily brought to a bearing against the frame fitted in the casing.

A further purpose of the invention is to construct a device of the character described in a simple, durable, and economic manner and so that any person can easily apply and operate the device.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

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 front elevation of a portion of a dwelling, a window-casing therein, a screen in the casing, and the applied fastening devices. Fig. 2 is a horizontal section through a portion of the outer wall of the dwelling, the window-casing, and screen and a plan view of a fastening device; and Fig. 3 is a perspective view of the fastening device.

A represents the outer wall of a dwelling or other structure. B represents a window-casing for the same. C represents a screen which is fitted in the window-casing, and D represents the improved fastening devices.

The device is constructed of spring material, preferably a wire of suitable gage, which wire is bent upon itself to form a spike or fastening member 10, having an exteriorly-threaded pointed end 11, and then the wire is bent upon itself to form a span-section 12 and is then further bent upon itself, forming a coil 13. Finally, the other end of the wire is carried from the coil, crossing the spike or fastening member 10 any desired distance, forming a retaining-arm 14. This arm at near its free end is usually bent slightly in direction of the threaded end of the spike or fastening member 10, as shown, and terminates in an enlargement or eye 15, or the terminal end of the retaining-arm 14 may be only slightly curved or the enlargement, eye, or curve may be omitted. By thus bending the said retaining-arm 14 the same is caused to set outwardly from the adjacent surface portions of the window-casing and screen-frame in the use of the device, so that in the event of the enlargement, eye, or curve 15 being dispensed with the arm may be readily taken hold of for manipulation in turning the device toward or from the screen-frame.

In the application of the device a window-screen, for example, having been set in the window-casing B usually four of the fastening devices D are employed, although any desired number may be used, and in securing the fastening devices in place the spike or fastening member 10 of each device is screwed into the casing, and then the retaining-arm 14 is brought to such a position, usually a horizontal position, that the terminal portion of the said retaining-arm of each fastening device thus operated will have inward spring-bearing against the frame of the screen, as is shown in Fig. 1, effectually holding the screen in place, yet permitting the screen to be taken out at any time, which action is brought about by simply carrying the retaining-arms of the fastening devices employed downward or upward over the casing or entirely free from the frame of the screen.

It is obvious that the fastening devices may remain in the casing indefinitely and that even should they be removed it would not deface the casing in the same manner as would a number of screws for each device. I also desire it to be understood that the shape of the device may be different from that shown in the drawings, but that in each form of the de-

vice the spike or fastening member is employed and the spring retaining-arm, the latter being adapted to be brought into engagement with the frame to be held and the former, as stated, being adapted to be secured to the casing in which the frame is fitted.

The advantages of this device are obvious; but among them it may be stated that once the device is applied it is always applied, not having to be removed when a screen is taken out from a casing and again fitted into position when the screen is to be replaced in the casing.

The device will hold any form of storm-sash and any screen, whether cut in against blind-stops or placed on the outside of the casing, and as the device is a spring device it holds the frame to which it is applied so tightly in place that there is no rattling of the frame, and no wind is permitted to get around the storm-sash.

It will be understood that instead of providing the spike or fastening member 10 with a screw end to enter a casing the said end may be simply made sharp and tapering, so that the device can be driven into the casing.

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

A screen-fastener, consisting of a spike or fastening member having a pointed and threaded end, a span member extending approximately at right angles from the end of spike or fastening member and terminating in a coil, and a retaining-arm extending from the other terminal of the coil approximately parallel with the span member and across the spike or fastening member, the said arm terminating in an eye, substantially as herein shown and described.

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

CEYLON WINSHIP GREENE.

Witnesses:

CHAS. B. SMITH,

WILLIAM D. GRAVES.