R. R. Bulger,
Door and Window Fastener.
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DOOR AND WINDOW FASTENER.


To all whom it may concern:

Be it known that I, RINARD R. BULGER, a citizen of the United States, residing at South Brownsville, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Door and Window Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in door and window fasteners.

The object of the invention is to provide a portable door and window fastening device which may be readily engaged with a door or window to securely fasten the same in closed position.

With this and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a door showing the manner in which the device is applied thereto; Fig. 2 is a side elevation of the fastener showing the parts in operative position; Fig. 3 is a longitudinal sectional view showing the parts in a released position; Fig. 4 is a plan view of one of the keeper plates employed in connection with the fastener; and Fig. 5 is a top plan view of the fastener showing a modified construction of the same.

Referring more particularly to the drawings, 1 denotes the fastener which is constructed in two parts or sections, 2 and 3. The sections 2 and 3 are hingedly connected together at their inner ends preferably by means of a rule joint connection, 4, whereby when the sections are straightened out in an operative position, a rigid brace will be formed thereby. The outer ends of the sections 2 and 3 are tapered to an edge, 5, the purpose of which will hereinafter appear. The inner end of the section, 2, is recessed on its outer edge to form a shoulder, 6, with which is adapted to be engaged the shoulder, 6, thereby holding said sections in alined operative position. The outer end of the spring, beyond the right-angular hook-shaped portion of the same, is provided with an outwardly-curved spring finger, 8, which is adapted to facilitate the engagement of the hooked end of the spring with the shoulder, 6, and to also provide a finger grip whereby the hooked end of the spring may be disengaged from the shoulder. The inner corner of the shoulder 6 formed by the stop portion of the rule joint connection is slightly beveled or rounded, as shown at 9, to also facilitate the engagement of the hooked end of the spring with the shoulder, 6.

In connection with the form of fastening shown in Figs. 1, 2 and 3, I preferably employ a keeper plate, 10, in which are formed centrally disposed oblong slots, 12, with which the tapered ends 5 of the fastener are engaged. In practice one of the keeper plates, 10, is secured to one side of the door adjacent to its lower end and preferably near the outer edge of the same, while the inner keeper plate is secured to the floor in line with the keeper plate in the door at a suitable distance therefrom whereby when the opposite ends of the fastener are engaged with the slots in said plates and the parts of the fastener straightened out to an operative position, the door will be securely braced and held in a closed position.

In the modified form of device shown in Fig. 5 of the drawings, the tapered ends, 13, of the sections are provided with a series of teeth or prongs, 14, which are adapted to be forced into the floor and door whereby the opposite ends of the fastening will obtain a firm engagement with the floor and door and will be prevented from slipping thereon. In the latter form of the fastening, the keeper plates are dispensed with and when constructed in this form, the fastener may be readily carried about and applied to any door or window to securely hold the same in closed position. When applied to a window, one end of the fastener is engaged with the upper rail of the lower sash, while the other end is engaged with the adjacent side of the window casing.

From the foregoing description, taken in connection with the accompanying drawing, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion
and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters-Patent, is:

1. A fastener of the character described comprising a plurality of sections having a rule joint connection, a spring catch secured to one of said sections, and a fastening lug formed on the opposite section and adapted to be engaged by the free end of said spring catch whereby the parts are held in an operative position.

2. A door and window fastener comprising a pair of hingedly connected sections, a spring catch carried by one of said sections, said catch having a right-angular or hook-shaped end and an outwardly turned releasing finger, and a fastening shoulder formed on the other section and adapted to be engaged by the right-angular hooked end of said spring when the parts are in an operative position.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

RINARD R. BULGER.

Witnesses:
FRANK P. COTTON,
H. C. DAVISON.