Feb. 18, 1930. P. S. CORRIGAN 1,747,290

CASEMENT WINDOW FASTENER

Filed Nov. 24, 1925

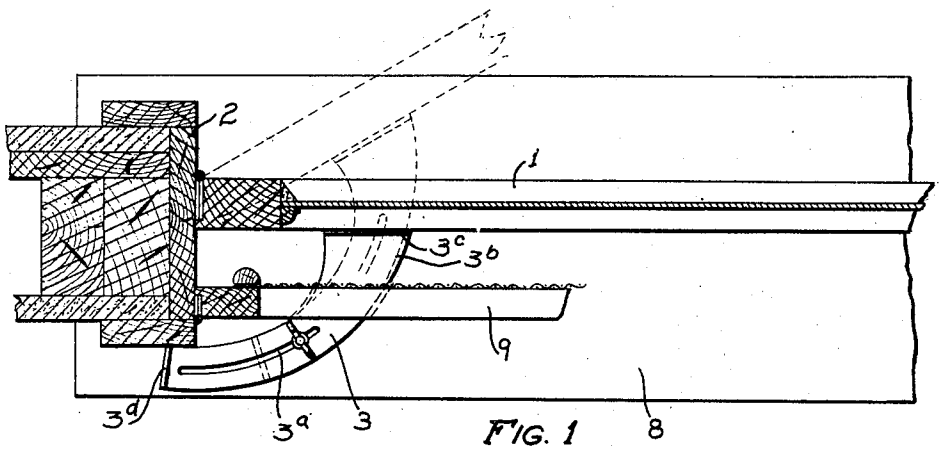


FIG. 1

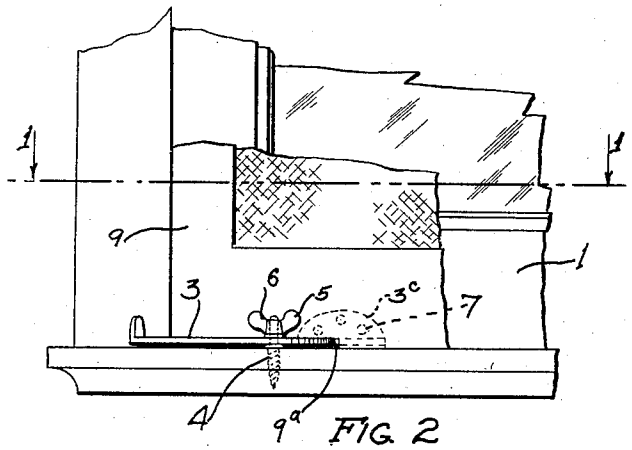


FIG. 2

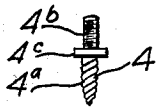


FIG 4

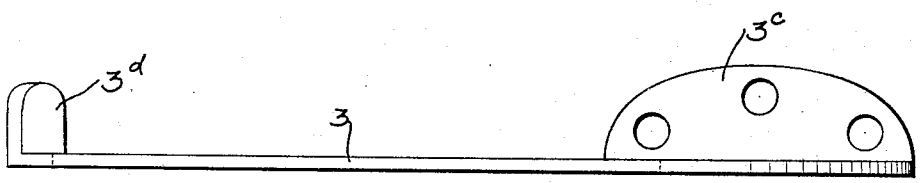


FIG 3

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UNITED STATES PATENT OFFICE

PAUL S. CORRIGAN, OF SAN DIEGO, CALIFORNIA

CASEMENT-WINDOW FASTENER

Application filed November 24, 1925. Serial No. 71,048.

My invention relates to a casement window fastening means, and the objects of my invention are: First, to provide a particularly simple and economical means for fastening a casement window in various open positions and for fastening the same securely at the inside; second, to provide a means of this class which may be secured to the inside of the casement window and which may be readily adjusted to various open and closed positions through a screen positioned at the inside of the room or at the inside of the window without opening the screen; third, to provide a device of this class of flat construction so that the same may be readily shifted below the lower edge of a screen positioned at the inside of the room or shifted through a shallow recess at the lower end of the screen; fourth, to provide a device of this class whereby a casement window may be easily fastened in a tight closed position so that the window cannot rattle; fifth, to provide a novelly constructed fastening screw for a means of this class, and sixth, to provide a novelly constructed device of this class and one which is durable, practical, and which will not readily deteriorate or get out of order.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions, as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this application, in which:

Figure 1 is a sectional view in plan, taken through a conventional casement window construction, showing my fastening means in connection therewith and showing by dotted lines the casement window and my fastening means shifted outwardly, the section being taken through 1—1 of Fig. 2; Fig. 2 is a fragmentary sectional elevational view thereof, taken from the inside of the room; Fig. 3 is an enlarged side view of the main fastening member of my means, and Fig. 4 is an enlarged elevational view of the special screw for adapting my fastening means to substantially all types of casement window construction.

Like characters of reference refer to similar parts and portions throughout the several views of the drawings.

Referring to Fig. 1 of the drawings, the casement window 1 is shown pivotally mounted at its one edge to the one side of and within the casing 2. At the inner portion of the casing 2 is shown pivotally mounted, at its one edge, a screen 9, which is the usual construction for and in connection with casement windows.

My fastening means for the above consists of a fastening plate 3, a screw member 4, a washer 5 and a wing nut 6. The member 3, in its greater portion, is circular and is provided in the circular portion with a circular or arcuate slot 3^a. This member 3 is made in the form of a metal plate of a relatively thick gage and is flared outwardly at its one end, as indicated by 3^b in Fig. 1. This outwardly flared end 3^b is provided with an upwardly turned or right angle portion 3^c, which provides a plate for securing the member 3 to the inside of the lower frame member of the casement window 1, the plate portion 3^b being secured to the window casement by means of a plurality of screws 7. The main portion of the member 3 extends inwardly from the casement window in arcuate form about the pivotal axis of the window and rests above the sill 8 of the window casing. The inner end of the member 3 is also turned upwardly, as indicated by 3^a, providing a handle portion for gripping the same and for shifting the window outwardly or pulling the same inwardly. The screw member 4, for securing the member 3 in certain positions, is of special construction and consists of a wood screw portion 4^a at its one end, a machine screw portion 4^b at its opposite ends and a flange or shoulder portion 4^c intermediate its ends. This screw member is screwed with its wood screw portion 4^a into the sill 8, so that its axis registers with the arcuate slot of the member 3, the flange or shoulder portion 4^c thereof being screwed down to the upper face of the sill and serving as a washer against which the under side

of the member 3, contiguous to the slotted portion thereof, is positioned. Against the upper side of the member 3 is positioned a washer 5, which is adapted to be forced in engagement with the member 3 by means of the wing nut 6, thus rigidly clamping the member 3 contiguous to its slotted portion between the shoulder 4^c of the screw and the washer.

It will be here noted that the screw member 4, of special construction, is designed to serve as a securing screw for the member 3 for all conditions and designs of sills.

It will be here also noted that the under edge of the screen member 3 is cut away near its pivotal portion, as indicated by 9^a in Fig. 2, for receiving the plate member 3 and for clearing the same when the same is shifted outwardly.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. In a device of the class described, the combination with a pivotally mounted casement window, of an arcuately formed member having at its one end a securing flanged portion for securing said member to the inside of the frame of said window and at its opposite end a grip portion to facilitate the shifting of said member, said member being also provided intermediate its ends with an arcuate slot described with the pivotal axis of said window as a center, a screw member provided with a wood screw portion at its one end adapted to be screwed into a casing member for said window and provided at its opposite end with a machine screw portion adapted to extend upwardly through said slot and also provided intermediate its ends with a shoulder upon which the portions contiguous to the slot of said arcuately formed member are adapted to rest, and a manually operated nut mounted on the machine screw portion of said screw member for clamping said arcuately formed member between the same and the shoulder of said screw member.

2. In a device of the class described, the combination with a pivotally mounted casement window, of an arcuately formed member secured at its one end to said window and provided intermediate its ends with an arcuate slot, a screw member provided with a wood screw portion at its one end adapted to be screwed into a casing member for said window and provided at its opposite end with a machine screw portion adapted to extend upwardly through said slot and also provided intermediate its ends with a shoulder upon which the portions contiguous to the slot of said arcuately formed member are adapted to rest, and a manually operated nut mounted on the machine screw portion of said screw member for clamping said arcuately formed member between the same and the shoulder of said screw member.

3. The combination with an outwardly opening casement window, a screen positioned inwardly thereof and a window sill extending inwardly of the screen, said screen having a slot extending over the lower edge thereof, and a flat adjusting member having an elongated slot secured at one end to said casement and adapted to slide through the slot in said screen and a screw means secured to the upper surface of said sill inwardly of said screen and extending through the slot in said adjusting member for fastening said adjusting member in variously adjusted positions.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 10th day of November, 1925.

PAUL S. CORRIGAN.