

Nov. 24, 1931.

J. U. LINDER

1,833,254

CASEMENT WINDOW LOCK

Filed March 8, 1930

FIG. 1.

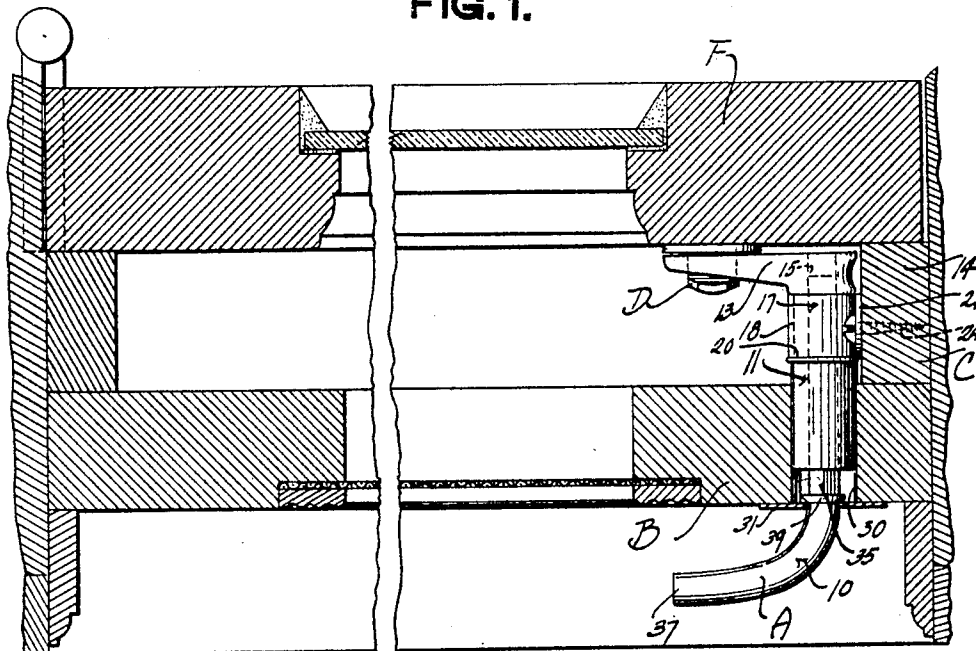


FIG. 2.

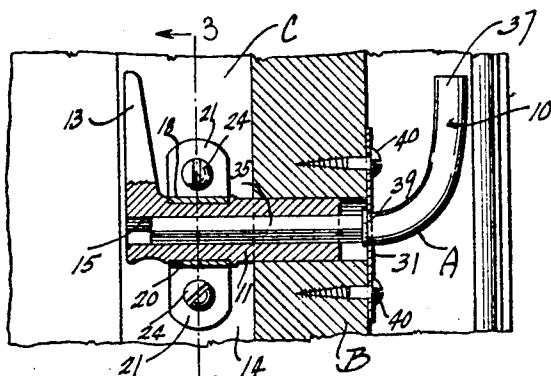


FIG. 3.

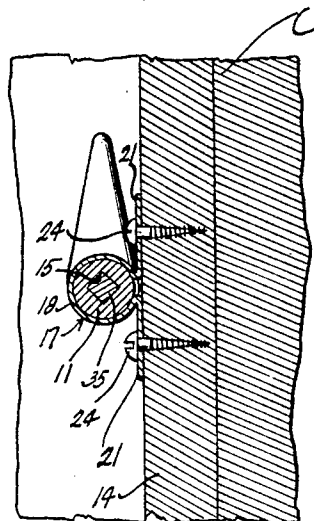
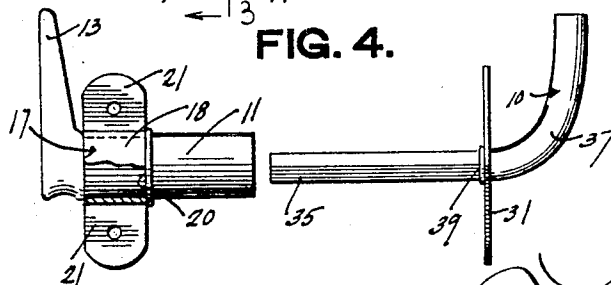


FIG. 4.



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CASEMENT WINDOW LOCK

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This invention relates to improvements in locks or latches for particular use in the locking of outside casement windows in a manner which will permit their operation from the inside of the screen.

Other objects and advantage of this invention will be apparent during the course of the following detailed description.

In the accompanying drawings, forming a part of this specification, and wherein similar reference characters designate corresponding parts throughout several views,

Figure 1 is a fragmentary sectional view showing the improved adjustable lock in its assembled relation upon a jamb or part of the window frame and in its relation to an inside screen and in a retaining relation with the outside swing casement window.

Figure 2 is a sectional view taken on a vertical plane along the axis of the latch device, showing the mounting of the same.

Figure 3 is a sectional view taken substantially on the line 3—3 of Figure 2.

Figure 4 is a fragmentary view of the disassembled details of the improved adjustable latch lock.

In the accompanying drawings, wherein for the purpose of illustration is shown only a preferred embodiment of the invention, the letter A may generally designate the improved latch, which is extended through and mounted partially upon an inside screen B and partially upon a casing structure C in a relation to cooperate in a latching and locking relation with a keeper D attached upon the outside swing casement window F.

The improved adjustable latch A preferably comprises a handle portion 10 mounted upon the screen B, and a portion 11 which includes the bolt 13 mounted upon a jamb 14 of the window casing structure.

The portion 11 is of sleeve-like formation, having a passageway 15 therethrough, of polygonal cross section. At one end of the sleeve portion 11 is provided with the bolt arm 13 which extends normal to the axis of the sleeve 11 and in a relation to be readily swung into the hook-like keeper D, which is appropriately secured, as shown in Figure 1 of the drawings, upon the inside surface of

the window F. The sleeve portion 11 is secured for oscillative movement upon the jamb 14 by means of a bearing 17, which includes a barrel or sleeve portion 18 receiving the sleeve 11 therein; said sleeve 11 being annularly reduced to provide a peripheral groove 20, wherein the portion 18 of the retaining member 17 seats. The bearing 17 has attaching ears or lugs 21 which are tangential to the bearing sleeve 18 and in the same plane for abutment against the outer surface of the jamb 14; the same being apertured for receiving screws 24 for attachment to the jamb. This positions the sleeve 11 for rotation close to the jamb 14, and against longitudinal movement, so that the bolt arm 13 will always bear a locking relation to the keeper D when the casement window F is closed, as can readily be understood from Figure 1.

The screen B is provided with a passageway 30 therein adjacent the jamb 14, wherein the inner end of the sleeve 11 is received, extending the major length along the passageway 30, but not projecting to the inside of the screen B. The screen B may be of the movable or affixed type, as desired, and the handle 10 is secured in place thereupon by means of a retaining plate 31. The handle 10 includes an elongated shank 35, polygonal in cross section, and slides longitudinally in the passageway 15 of the sleeve 11, and which upon rotation will cause a rotation or oscillation of the sleeve 11 due to the splined connection between the parts 10 and 11 as can readily be understood from Figure 2. The handle 10 furthermore includes a hand grasping handle 37 which may curve or offset laterally to the axis of the shank 35. At the juncture with the shank 35 there is provided an annular stop bead 39. The retaining plate 31 is centrally apertured and slipped over the handle 37 into engagement with the outer side of the bead 39; the opening being insufficient in size to slip over said bead 39. The retaining plate 31 is apertured at its ends for receiving screws 40, by means of which to attach the same upon the frame of the screen B, as is shown in Figure 2 of the drawings.

It is readily noticed from the foregoing

- that the handle and bolt portions 10 and 11 respectively of the latch mechanism are relatively adjustable to extend the length of the latch from the handle end to the bolt end, to render the same applicable to screens and casement windows of different size, while retaining the splined connection therebetween to accomplish the operation. The retaining plate 31 not only holds the handle 10 in place upon the screen B, but seals the opening 30. The inner end of the sleeve 11 has a rather snug bearing in the opening 30, in addition to the bearing afforded by the portion 18 of the member 17. It is quite apparent that the improved latch device may be applied to casement windows and the screens thereof practically independent of the type of the same, without the need of any alteration except the boring of the opening through the screen, and the latch provides a very effective lock for the casement window and permits the latter to open independent of the closed screen. It is within the contemplation of the invention to permit the screen B to open, and due to the fact that there is only a splined connection between the parts 10 and 11, this may be readily permitted without disassembling or disconnecting any parts.
- Various changes in the shape, size, and arrangement of parts may be made to the form of invention herein shown and described, without departing from the spirit of the invention or the scope of the claims.
- I claim:
1. In combination with a movable casement window within a casing and an inner screen in the casing, spaced from said window, a keeper secured to the casement window, an elongated sleeve member having a passageway therealong of polygonal cross section and carrying a transverse locking bolt, said sleeve fitting into the screen, and a handle member having a shank portion of polygonal cross section extending thru the screen and into the passageway within the bolt member a distance sufficient to permit said sleeve member to bridge the space between the window and the screen, and allow said bolt to engage said keeper.
 2. In an adjustable casement window and screen latch, an elongated sleeve having a passageway therethru, means for rotatably mounting the sleeve upon a jamb of a casing, a locking bolt carried by the sleeve, a handle including a handle portion, a shank portion, and a stop flange adjacent the juncture of the handle portion and the shank portion, and a retaining plate adapted for connection to a screen, having an opening therein of a width less than the width of the stop flange for receiving and retaining the shank portion against disengagement from the sleeve when the shank portion is in coupled relation in the passageway of the sleeve and the retaining plate secured to a screen or like support.
 3. In an adjustable casement window and screen latch, a keeper secured to the casement window, an elongated sleeve, having a peripheral groove thereabout, adapted for fitting into a screen, a bearing seating within the groove and adapted for connection to a support, a locking bolt carried by the sleeve, and a handle coupled to the sleeve.
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