

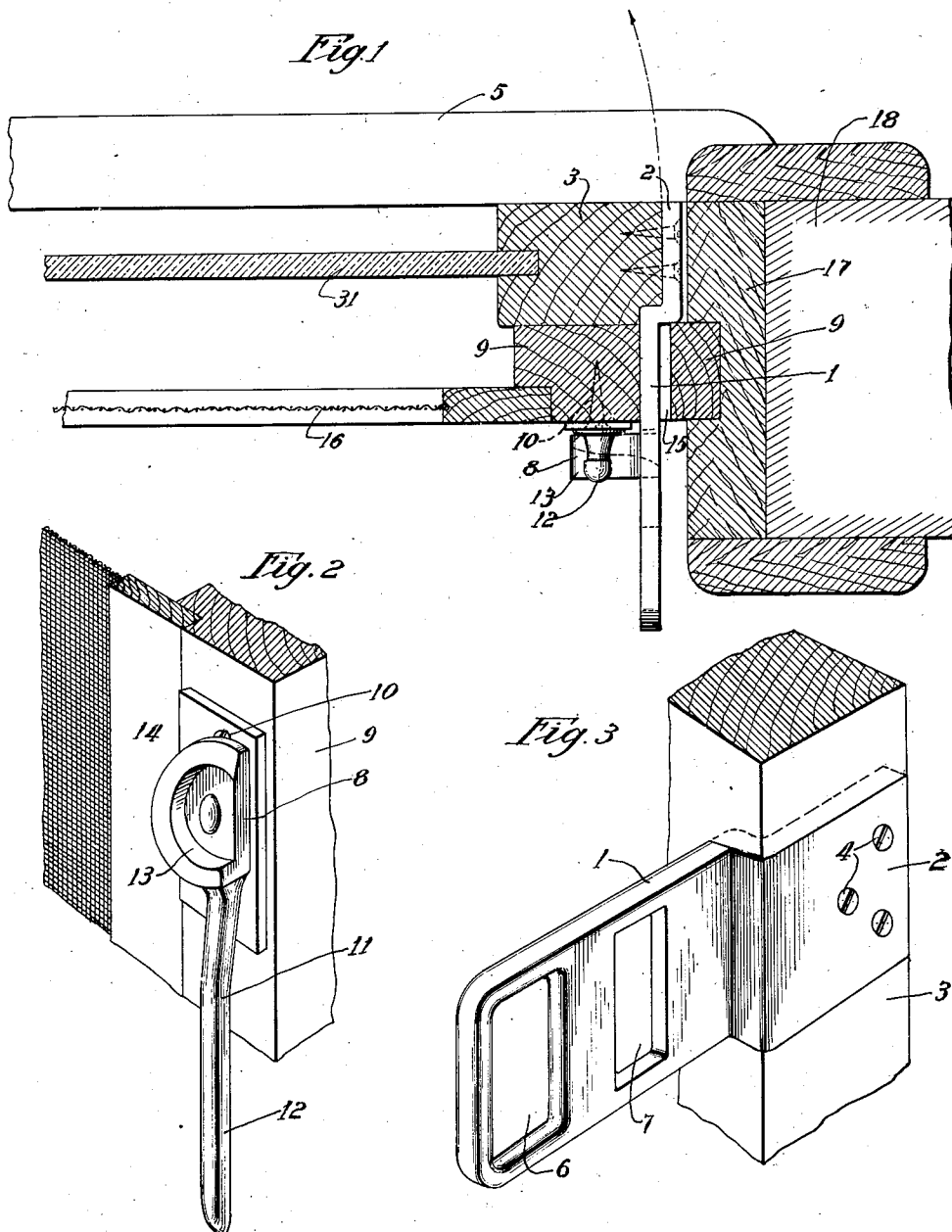
Dec. 20, 1927.

1,653,523

J. S. VAN BERGEN

CASEMENT SASH FASTENER

Filed May 14, 1926



Witnesses
 Enea Camporini
 W. A. Snow

Inventor:
 John S. Van Bergen
 By: Rummler & Rummler
 Attys

UNITED STATES PATENT OFFICE.

JOHN S. VAN BERGEN, OF RAVINIA, ILLINOIS.

CASEMENT-SASH FASTENER.

Application filed May 14, 1926. Serial No. 109,070.

The present invention relates to casement window sash fasteners and its object is primarily to provide a fastener which may be latched and unlatched without the necessity of removing or disturbing the screens which are generally inside of casement windows.

This and any other object hereinafter appearing may be attained by the structure hereinafter particularly described in the body of the specification and illustrated in the accompanying drawing, in which:—

Figure 1 is a top plan view of the device shown attached to window sash and window stop, the sash, stop and wall frame being in section.

Fig. 2 is a view in perspective of a member having the keeper, and

Fig. 3 is a view in perspective of the keeper.

Casement window structures are frequently provided with means on the interior of the window frame for adjusting the window outwardly upon its hinges, as indicated by the arrow on Fig. 1. These means are so arranged as not to necessitate the disturbance of the screen mounted in the frame on the inside of the window. The present invention relates to a device also mounted upon the interior of the window frame, the function of which is to provide for conveniently tightly drawing the window into its closed position and locking the window. The locking device on the window frame co-operates with a keeper member, which consists of a small apertured plate secured to one edge of the window and arranged to pass through the small slot in the window stop part of the frame.

The casement window sash fastener comprises an elongated keeper member generally designated 1 having a portion 2 adjacent the end thereof, offset from the plane of the major portion of said member, and attached to the window sash 3 by the screws 4. The member 2 extends at right angles to the sash 3 and parallel to the horizontal swinging movement of the window relative to the sill 5. An opening 6 adjacent the opposite end of the member 1 is adapted for use as a handle. A transversely disposed slot 7, intermediate said offset portion and said handle comprises the keeper. The window 3' is carried by the sash.

A fastener 8 is mounted on the window stop 9 by the screws 10, comprising a lever,

generally designated 11, having a handle portion 12 and a head portion 13. The head portion 13 has a helical cam surface 14 which is adapted to rotate into and out of camming engagement within the keeper 7 during the rotating movement of the lever 11.

The stop 9 has a transverse horizontally disposed aperture 15 through which the member 1 may pass during the swinging movement of the window. The inside screen 16 is retained by said stop which is attached to the frame 17 mounted on the wall 18.

The offset portion of the member 1 is provided so that when the inner end of same describes the arc of a circle during the swinging movement of the window, the said inner end will not contact with the wall frame nor with the stop, yet when the window is closed, a tight joint will be insured.

It will be noted that the inner end of the member 1 projects inwardly beyond the inside screen, thereby making it unnecessary to remove or disturb the screen whenever it is desired to open or close the window. It is obvious that the member 1 may be used for right and left hand installations.

It will be understood that when it is desired to fasten the casement window, the window is swung inwardly until it strikes the stop, and the lever, whose handle portion is hanging down, is rotated clockwise until the helical cam tightly engages within the keeper.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that numerous details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the appended claims.

I claim:

1. A casement window sash fastener comprising a keeper member for attachment to the window sash, said keeper member having a blade-like portion devoid of lateral projections and having an opening therein adapted for use as a handle, a fastener adapted for attachment to the window stop, said fastener comprising a lever having a portion adapted for camming engagement within the keeper member.

2. A casement window sash fastener comprising a flat blade-like member having a

- keeper aperture at one end thereof and an offset portion at the other end thereof adapted for attachment to the window sash, a fastener adapted for attachment to the window stop and adapted to rotate into and out of camming engagement with the keeper during the rotating movement of the lever.
3. A casement window sash fastener comprising an elongated flat blade-like member having a transversely disposed slot adjacent one end thereof adapted for a keeper and the other end thereof being adapted for attachment to the window stop, said fastener comprising a lever and a head portion having a surface adapted to rotate into and out of camming engagement within the keeper during the rotating movement of the lever.
4. A casement window sash fastener, comprising an elongated member having a portion adjacent one end thereof offset from the plane of the major portion of said member attached to the window sash at right angles thereto and parallel to the horizontal swinging movement of the window, said member having an opening adjacent the opposite end thereof adapted for use as a handle, and a transversely disposed slot intermediate said offset portion and said handle adapted for a keeper, a fastener mounted on the window stop, said fastener comprising a handle portion and a head portion, said head portion having a helical cam surface adapted to rotate into and out of camming engagement within the keeper during the rotating movement of the keeper.
5. A device of the character described, including a casement window, a screen permanently supported adjacent said window, a combined keeper and window operator carried by said window and projecting through said screen supporting means, and a fastener on said supporting means for engaging the combined keeper and window operator.

Signed at Chicago this 11th day of May, 1926.

JOHN S. VAN BERGEN.