H. J. MORTENSEN.

COMBINED SASH HOLDER AND LOCK.

APPLICATION FILED JUNE 4, 1914.

1,167,007. Patented Jan. 4, 1916.

Fig. 1.

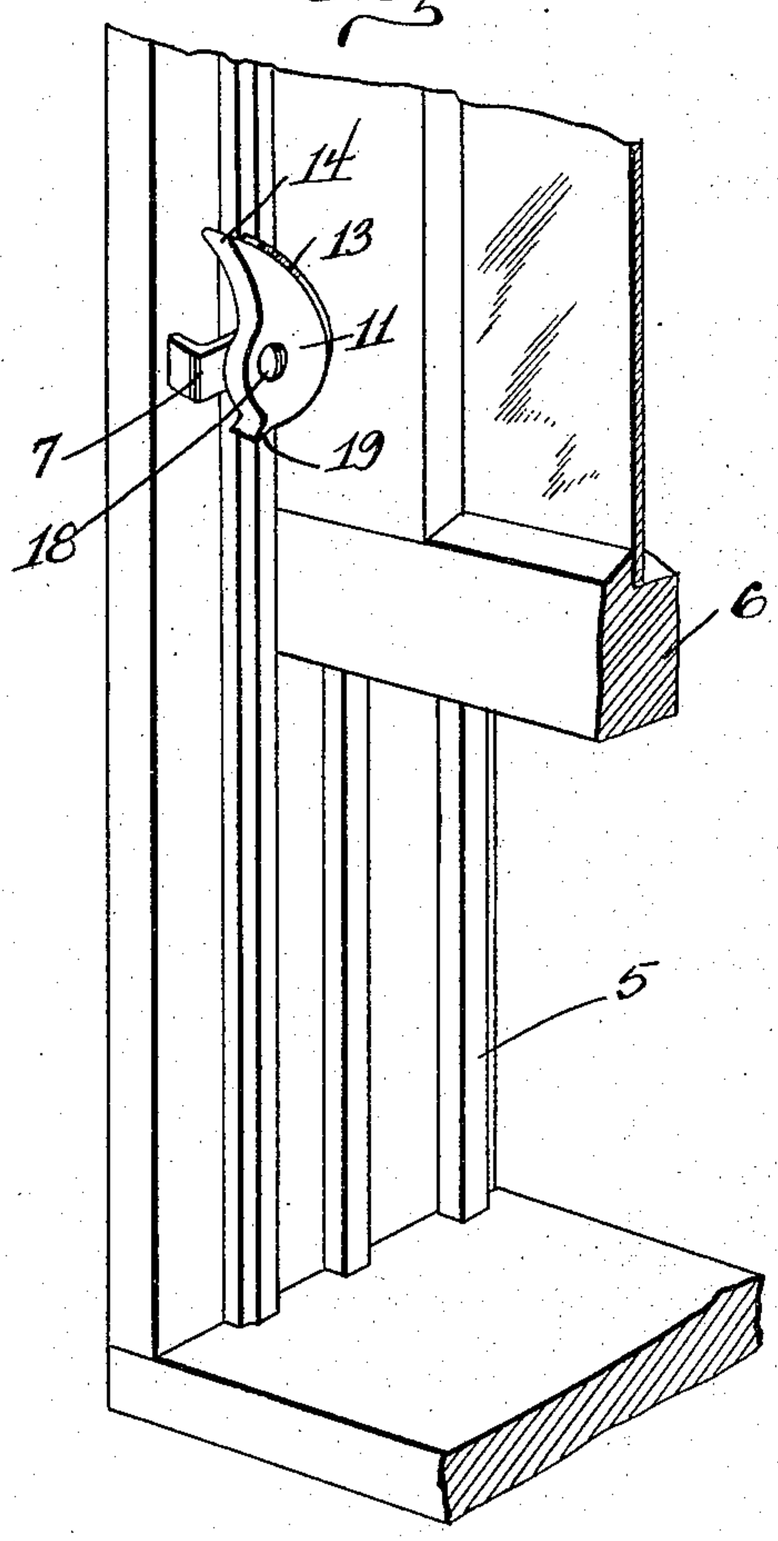


Fig. 2.

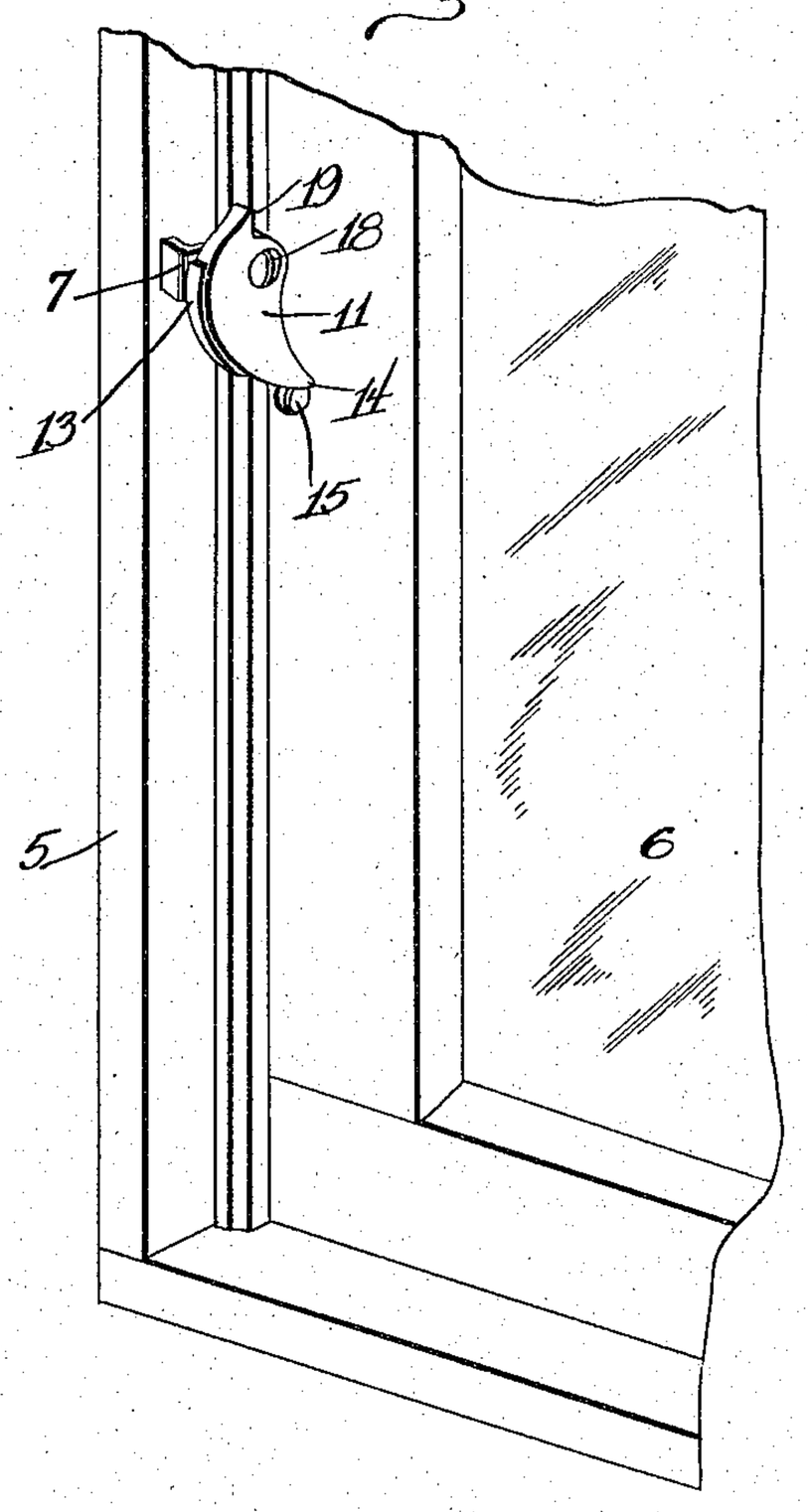


Fig. 3

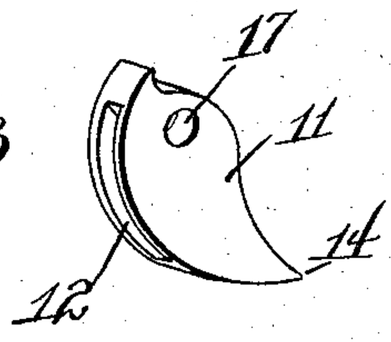


Fig. 4.

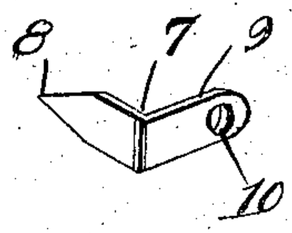
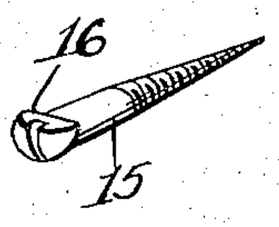


Fig. 5.



Witnesses

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COMBINED SASH HOLDER AND LOCK.

1,167,007. Specification of Letters Patent. Patented Jan. 4, 1916.

Application filed June 4, 1914. Serial No. 843,077.

To all whom it may concern:

Be it known that I, HANS J. MORTENSEN, a citizen of the United States, residing at Spanish Fork, in the county of Utah and State of Utah, have invented certain new and useful Improvements in Combined Sash Holders and Locks, of which the following is a specification.

This invention relates to combined sash fasteners and holders, and has for its primary object to provide a simple, durable and efficient device which is adaptable for association with any type of windows and casings.

Another object is to utilize comparatively few parts which may be readily assembled or disassembled, thereby permitting of the replacement of any of the parts which have been rendered inapt for use.

Other objects as well as the nature, characteristic features and scope of my invention will be more readily understood from the following description taken in connection with the accompanying drawings and pointed out in the claim forming a part of this specification.

Referring to the drawings: Figure 1 is perspective view of my device illustrating the application thereof, the window being shown as held in an upward position, Fig. 2 is a similar view, showing the window in a locked position, Fig. 3 is a perspective view of the locking member, Fig. 4 is a similar view of the window casing engaging member with which the locking member is engaged, and Fig. 5 is a perspective view of the abutment which is associated with the window sash for holding the window in a locked position, at times.

In the drawings wherein is illustrated the preferred embodiment of this invention in order to illustrate the application thereof, a window casing 5 is provided in which is mounted a window 6, said casing and window being of the usual configuration and being associated in the ordinary manner.

My improved sash holding and locking means in the present instance comprises a window casing engaging member 7, which comprises a metallic strap, one end 8 of which is tapered to a point, the opposite end 9 being turned at right angles to the body and provided with an aperture 10, said pointed end 8 adapted for engagement in the window casing 5, as illustrated to advantage in Figs. 1 and 2.

My improved locking member in the present instance comprises a cam or eccentric 11 which is made of any suitable metal and is provided in its periphery with an arcuate recess 12 in which is mounted an elastic element 13, the latter being preferably made of rubber for engagement with the window casing, so as to prevent mutilation of the window sash in any way when the locking member is engaged therewith, the elastic element being only engaged with the window sash, when the window is to be held in a predetermined adjusted position, one end 14 of the locking member being tapered to provide an edge which engages with an abutment 15 when the window is in a locked position, the latter in the present instance comprising a screw-bolt the shank of which is tapered in order to facilitate engagement with the sash and having a portion of its head removed to provide a flat engaging face 16 for contact with said tapered end 14 of the locking member 11. The locking member 11 has an aperture 17 formed therein which alines with the aperture or opening 10 in the casing engaging member 7 and has engaged therethrough a screw 18 so as to detachably engage the locking member with the casing, a projection 19 extending from the locking member so as to provide a finger in order to facilitate the actuation of the locking member on its axis 18.

In operation, when it is desired to hold the window in a predetermined position, the window is raised to the desired height after which the cam or eccentric 11 is engaged with the inner face of the sash, the elastic element 13 which is mounted in the cam or eccentric being engaged with the sash as previously pointed out. When it is desired to disengage the contacting face of the cam from the window sash, pressure is exerted on the finger 19 inwardly toward the window, thereby causing the end 14 of the cam to be swung in a vertical arc, so as to permit free actuation of the window casing. When it is desired to lock the window in the casing, assuming that the window is in a closed position as shown in Fig. 2, the end 14 of the cam is engaged with the flat face 16 of the

abutment or screw-bolt 15, as shown to advantage in Fig. 2, thereby positively preventing raising of the window.

It will be understood that the above description and accompanying drawings comprehend only the general and preferred embodiment of my invention and that various minor changes in details of construction, proportion and arrangement of parts may be made within the scope of the appended claim and without sacrificing any of the advantages of my invention.

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

In a window securing device, the combination with a cam pivotally secured to a window frame engaging member, said cam being provided with a circumferential recess, a window casing engaging pad secured in said recess, said window engaging member being bent at right angles intermediate its ends, one end tapered to penetrate the window frame and the other end being provided with an aperture to receive the pivot pin of the cam, of an abutment transversely adjustable on said window casing, said abutment being provided with a flat side to engage with said cam.

In testimony whereof I affix my signature in presence of two witnesses.

HANS J. MORTENSEN.

Witnesses:
LEE H. BRIMHALL,
J. EUGENE HUISH.