(No Model.)

R. D. MURPHY.

SASH FASTENER.

No. 493,107. Patented Mar. 7, 1893.

Fig. 1.

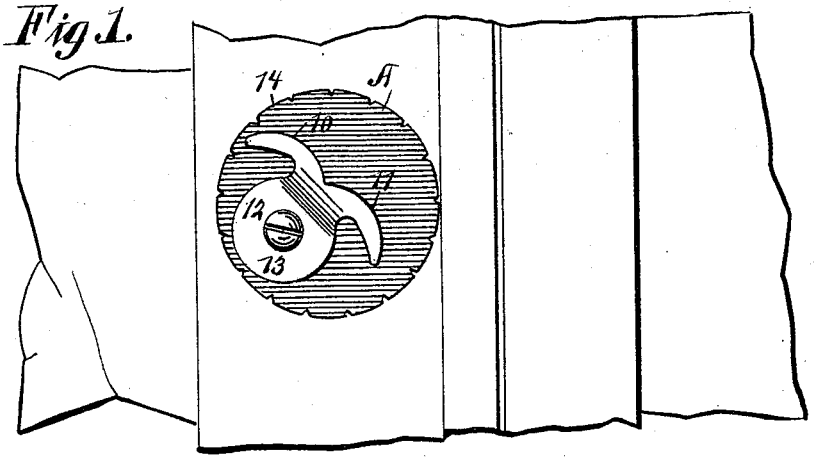


Fig. 2.

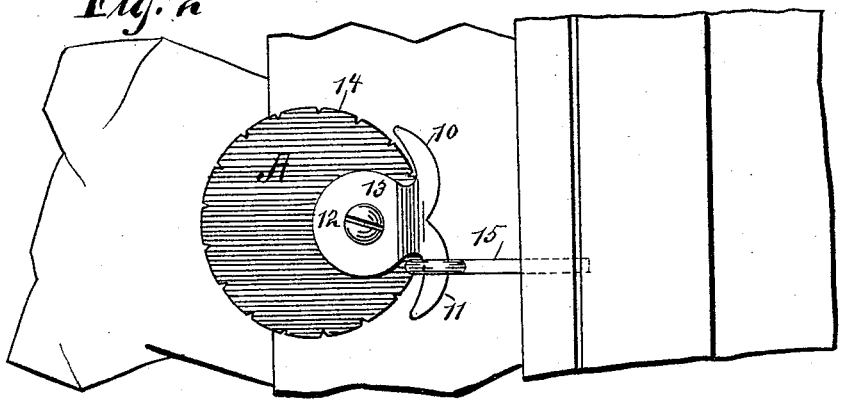


Fig. 3.

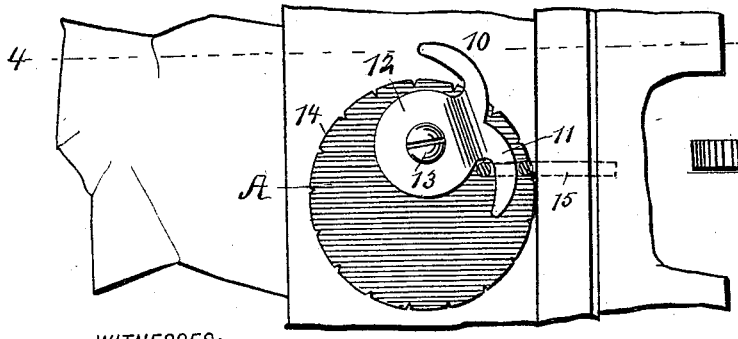


Fig. 5.

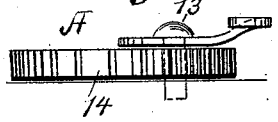
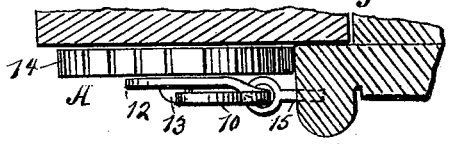


Fig. 4.



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ROBERT DUNCAN MURPHY, OF BALTIMORE, MARYLAND.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 493,107, dated March 7, 1893.

Application filed November 7, 1892. Serial No. 451,171. (No model.)

To all whom it may concern:

Be it known that I, ROBERT DUNCAN MURPHY, of the city of Baltimore, in the State of Maryland, have invented a new and Improved Window Fastener and Lock, of which the following is a full, clear, and exact description.

My invention relates to an improvement in window fasteners and locks, and it has for its object to provide a device which will be exceedingly simple, and capable of being applied either to a window sash or to a window casing, and adapted for holding the window sash in whatever position it may be placed; and the device is further applicable for locking the window sash in place when the window is in its closed position.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a face view of the device applied to a window sash and illustrating the device as holding the sash in an elevated position. Fig. 2 is a similar view to Fig. 1, the device being shown in a locked position, but the friction disk is shown out of engagement with the window frame. Fig. 3 is likewise a face view, illustrating the device in a locked position, the friction disk being in engagement with the window frame. Fig. 4 is a horizontal section, taken essentially on the line 4—4 of Fig. 3; and Fig. 5 is an edge view of the device detached from the window.

In carrying out the invention the device consists primarily of a disk A, which is constructed entirely of rubber or a like material, or alternate layers of rubber, canvas or other fabric, and twin hooks designated respectively as 10 and 11, which hooks are a portion of a common shank 12, the shank being preferably of a circular form. The hooks 10 and 11, are bent outward in such manner that their inner faces, for example, are beyond the outer face of their shank as shown in Fig. 5.

The disk A, is provided with an eccentrically located aperture, and the shank of the twin hooks is provided with a central aperture. The twin hooks are adapted to be connected with the disk, and this is effected by passing a screw 13, or the equivalent thereof through the aperture in the shank of the hooks and the aperture produced in the disk. The disk is provided with a series of peripheral teeth 14, or the periphery of the disk may be roughened, fluted, or serrated in any suitable or approved manner.

I desire it to be distinctly understood that the attachment may be applied to the window frame in such manner as to cause the disk, when desirable, to bear against the window sash; or, as shown in the drawings, the device may be applied to the window sash and the disk be made to have bearing against the window frame.

In applying the device, the screw 13 after having passed through the shank of the hooks and the disk, is passed into the window sash, the application being so made to the sash that the disk may be thrown to an engagement with the window frame or out of engagement therewith.

The twin hooks are adapted as locking devices, and the hooks and their shank serve to strengthen the disk or stiffen it, as is clearly shown in the drawings. When the window is to be raised or lowered the disk is carried out of engagement with the window frame, which may be accomplished by manipulating one of the hooks, as the hooks will cling to the disk by reason of frictional contact. The window at that time may be raised or lowered, and after it has been raised to the desired height the disk is thrown outward or in such direction as to cause its periphery to engage with the window frame, and by reason of the eccentric engagement of the disk with the window sash the weight of the window will cause the disk to be carried in firm locking engagement with the frame. When the window is entirely closed it may be locked in that position by causing one of the hooks to enter a staple or eye-bolt 15, located in the window frame, as shown in Fig. 2, the disk at that time being carried entirely out of engagement with the frame; or a double lock may secured

by causing the disk to engage with the window frame, and one of the hooks to enter the eye-bolt or staple 15, as shown in Figs. 3 and 4. When a single lock is to be accomplished, the staple or eye bolt is made longer than when a double lock is to be secured.

It is evident that this device is not only exceedingly simple, economic and practical, but that it may be applied, as heretofore stated, either to a window sash or to a window frame in an expeditious and convenient manner; and it is also obvious that the device may be manipulated readily and its manipulation understood by any person of ordinary intelligence.

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

1. As an improved article of manufacture, a window fastener and lock, the same consisting of a disk eccentrically pivoted, and hooks held in frictional engagement with the disk, as and for the purpose specified.

2. As an improved article of manufacture, a window fastener and lock, the same consisting of a disk having a roughened exterior and eccentrically pivoted, and oppositely projecting twin hooks the shank of which is pivoted correspondingly to the disk, substantially as and for the purpose set forth.

3. In a window lock and fastener, a fastening device consisting of an elastic disk, such as rubber, eccentrically pivoted, and a locking device consisting of a stiff plate shaped to form twin hooks and a common shank, the shank being pivoted by the same pivot pin pivoting the disk, as and for the purpose specified.

ROBERT DUNCAN MURPHY.

Witnesses:
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