W. F. O'ROURKE.

SASH LOCK.

APPLICATION FILED FEB. 19, 1912.

1,122,026. Patented Dec. 22, 1914.

Fig. 1.

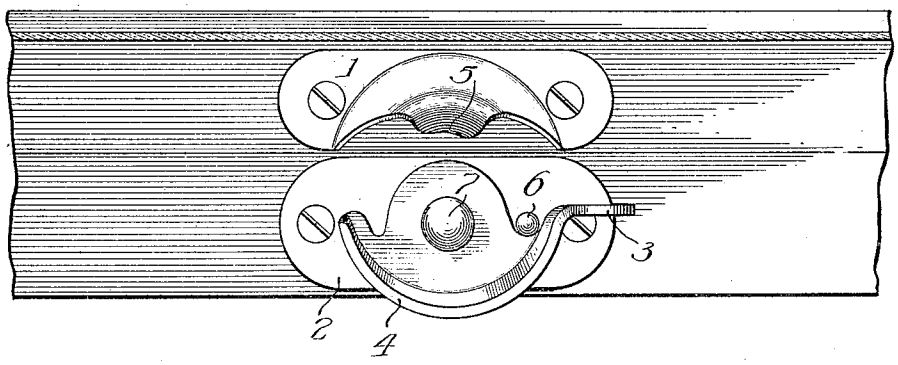


Fig. 2.

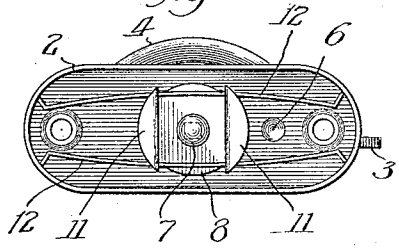


Fig. 5.

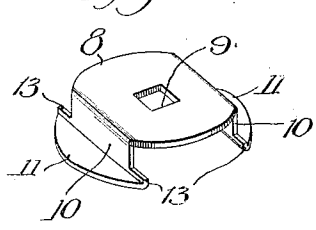


Fig. 3.

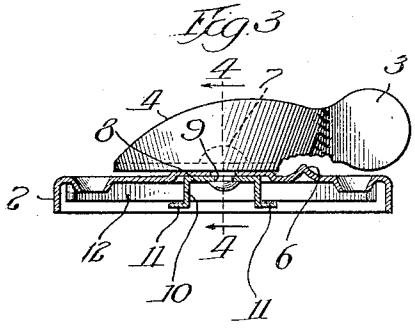
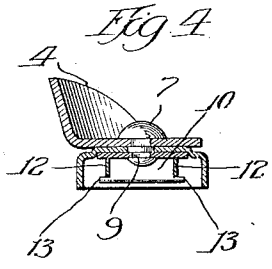


Fig. 4.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM F. O'ROURKE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE PAYSON MANUFACTURING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

SASH-LOCK.

1,122,026. Specification of Letters Patent. Patented Dec. 22, 1914.

Application filed February 19, 1912. Serial No. 678,602.

To all whom it may concern:

Be it known that I, WILLIAM F. O'ROURKE, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Sash-Locks, of which the following is a full, clear, concise, and exact description.

My invention relates to that class of sash fasteners in which a pivoted lever carrying a curved flange is mounted on a base and adapted to be rotated to cause the flange to engage with the keeper to bring the meeting rails of the two sashes together, and securely lock the same in position.

My invention consists more particularly in the construction of the pivot pin of the lever and the manner of retaining the springs, which act upon the lever, said springs being under the base plate.

My construction is such that in case the springs become disarranged or, in fact, if they should be omitted, the pivot pin will maintain its proper position and the lever will still be operative. To this end the pivot pin is provided with a washer having depending flanges stamped out integrally with the washer to engage with the springs and hold the same in position.

My invention will be more readily understood by reference to the accompanying drawings, in which—

Figure 1 is a plan view of my sash lock showing the same mounted on the meeting rails of the sash and in unlocked or open position; Fig. 2 is a view from below showing the position of the springs as mounted underneath the base plate; Fig. 3 is a side elevation of the operating lever, partially broken away, while the base plate and the washer and depending flanges are shown in longitudinal central section; Fig. 4 is a view in transverse section as indicated by line 4—4 of Fig. 3; and Fig. 5 is an enlarged detailed view of the washer with depending flanges.

Like parts are indicated by similar letters of reference throughout the different figures.

Referring to Fig. 1 the keeper 1 and the base plate 2 are mounted in the usual way upon the meeting rails of the sash. As is usual the operating lever 3 is adapted to be rotated half way around to bring the cam 4 thereof into engagement with the hook 5 of the keeper, the movement of the lever in either direction being determined by the lug or stop 6 stamped in the base.

Referring now to the pivot pin 7 it will be seen that it is rigidly secured to the operating lever and to the washer 8; in this instance the post below the head is rectangular to fit the square hole provided in the lever, and the corresponding hole 9, provided in the washer. The lower end of the post may be upset or riveted as shown so that the lever above the base plate and the washer below will be held together rigidly. In stamping out the base plate I preferably provide a depression for the washer, at the same time raising to some extent the upper surface of the plate to provide a seat for the bottom of the lever. In this way we have the bottom of the lever fitting closely against the upper surface of the base plate and the washer fitting closely in the depression provided on the underside of the same. As the lever is moved back and forth to lock and unlock the sash there will be no looseness of the pivot post in its bearing in the base plate.

The depending flanges 10 are extended outwardly at 11. The springs 12, as shown, bear against the edges of the flanges and above the projecting ends 13 thereof, the resiliency of the springs serving to carry the lever when operated to either of its extreme positions against the stop 6, or to retain the lever in its intermediate position, as the case may be.

It will be seen that the position of the washer against the underside of the base plate is not dependent in any way upon the springs, as would be the case if the washer were below the edges of the springs.

I claim:

In a sash-lock, the combination with a base plate, of a sash-locking lever and a sheet-metal washer bearing against the upper and the lower surface, respectively, of said base plate, a pivot pin journaled in said base plate, said lever and washer being secured to said pin, whereby said washer rotates with said lever, said washer being bent upon diametrically opposite sides of its center downwardly and then outwardly to pro-

vide depending angular flanges, and a pair of bow-springs secured between the under surface of said base plate and the outwardly extending portions of said angular flanges in engagement with the downwardly extending portions of said angular flanges.

In witness whereof, I hereunto subscribe my name this 17th day of February, A. D., 1912.

WILLIAM F. O'ROURKE.

Witnesses:
GEO. C. DAVISON,
MCCLELLAND YOUNG.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."