W. E. PETRIE.

SASH LOCK.

APPLICATION FILED DEC. 12, 1908.

910,850.

Patented Jan. 26, 1909.

Fig 1

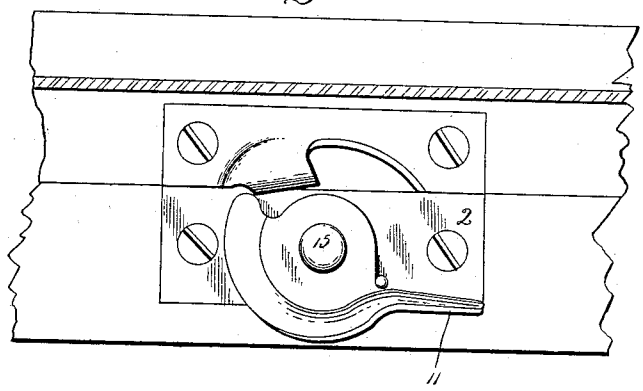


Fig 2

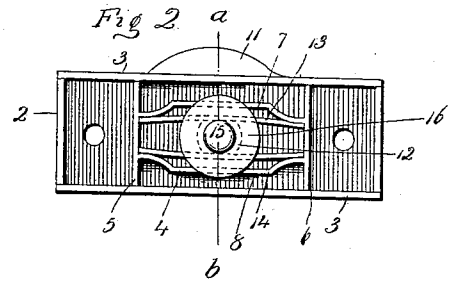


Fig 3

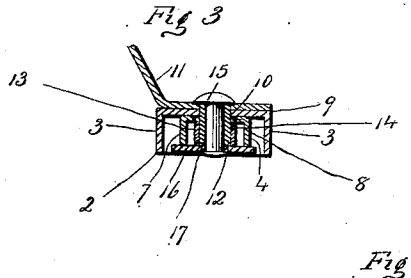


Fig 4

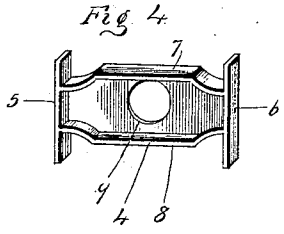
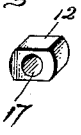


Fig 5



Witnesses
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UNITED STATES PATENT OFFICE.

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SASH-LOCK.

No. 910,850. Specification of Letters Patent. Patented Jan. 26, 1909.

Application filed December 12, 1908. Serial No. 467,300.

To all whom it may concern:

Be it known that I, WALTER E. PETRIE, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Sash-Locks; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a top or plan view of a sash lock constructed in accordance with my invention. Fig. 2 an underside view of the lock member, detached. Fig. 3 a sectional view on the line *a*—*b* of Fig. 2. Fig. 4 a perspective view of the housing, detached. Fig. 5 a perspective view of the lever hub, detached.

This invention relates to an improvement in sash locks, and particularly to that class in which the locking member comprises a cam-shaped lever mounted on a casing and adapted to coact with a keeper having a downwardly projecting finger against which the cam acts to raise and draw the sashes together. In sash locks of this character it is common to arrange springs within the casing to coact with the lever to hold the lever in its locked and unlocked positions, and it is customary to use a rivet and washer, the washer bearing against the edges of the flat springs. Should, however, one or both of the springs break, the lever is partially released so that it will not operate in a satisfactory manner.

This invention is directed mainly to sash fasteners of the type specified when formed from sheet metal; and the object is to provide a support for the lever independent of the springs and to provide a sheet metal lever with a suitable hub; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out my invention I employ a casing 2 which may be formed from sheet metal and with downwardly projecting walls 3. This casing is adapted to be attached to the upper edge of the lower sash. Within the casing I place a housing 4. This is formed from sheet metal and comprises ends 5, 6, and sides 7 and 8, the ends of the sides being contracted as clearly shown in Fig. 4 of the drawings. This housing has a central perforation 9 in line with a perforation 10 in the center of the casing. The lever 11 has a hub 12 which passes through the holes in the casing and through the housing and so as to stand within the housing. Extending longitudinally of the housing are flat metal springs 13 and 14, which bear against the hub and so as to hold the lever in its open or closed position. To secure the lever in place a rivet 15 is employed, the head resting on the upper face of the lever and extending down through the hub and its inner end upset over the washer 16 which bears against the sides 7, 8 of the housing. Thus the lever is held in place independent of the springs. If the lever is formed from sheet metal the hub 12 may be formed independently and of irregular shape so that when driven through a suitable hole formed for it in the lever, will be frictionally held therein and positively held against turning. This hub has a vertically arranged clearance hole 17 for the rivet 15.

I claim:—

1. A sash lock comprising a casing, a housing within the casing, a lever mounted on the casing and having a hub extending through the casing and into said housing, a washer resting on the edge of said housing, said hub connected with said washer whereby the lever is connected with the casing, and springs in said housing on opposite sides of said hub, substantially as described.

2. A sash lock comprising a casing, a housing within the said casing, a lever formed from sheet metal and having an independently formed hub attached to it, said hub extending through the casing and into the said housing, and a rivet passing through said hub and bearing on the face of the lever, and the said washer, whereby the lever is held in place, springs in said housing and bearing against opposite sides of the hub, substantially as described.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

WALTER E. PETRIE.

Witnesses:
E. F. NETTLETON,
H. A. ASHMAN.