

(No Model.)

G. GIBSON.
SASH FASTENER.

No. 491,881.

Patented Feb. 14, 1893.

Fig. 1.

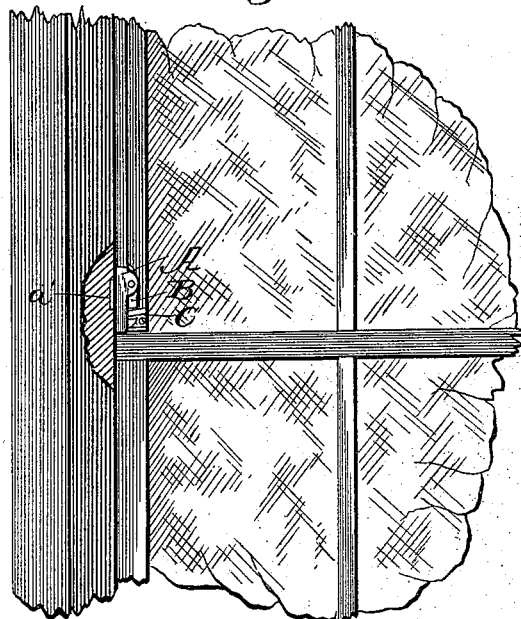


Fig. 2.

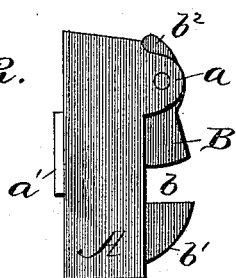


Fig. 3.

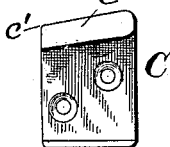


Fig. 6.

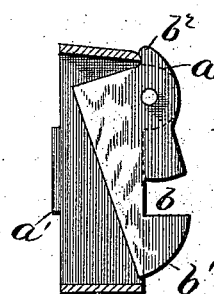
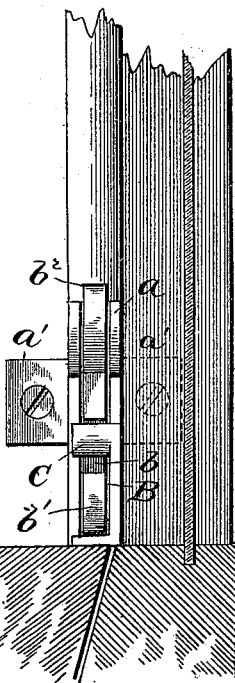


Fig. 4.



Fig. 5.

Witnesses:

J. B. McGinnis
J. M. Winter

Inventor:

Geroch Gibson
By M. A. McKenney
his attorney

UNITED STATES PATENT OFFICE.

GEROLT GIBSON, OF ST. LOUIS, MISSOURI.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 491,881, dated February 14, 1893.

Application filed June 3, 1892. Serial No. 435,415. (No model.)

To all whom it may concern:

Be it known that I, GEROLT GIBSON, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Sash Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improved sash lock, more especially for the upper sashes, and it has for its object to effect the automatic locking of the sashes against accidental downward displacement from any jarring motion or the action of the wind, from house-breakers or other cause and yet provide for effecting, in a simple and expeditious manner, the manipulation of the lock in lowering the sash, and to these ends my invention consists in the novel combination of parts substantially as hereinafter more fully disclosed and pointed out in the claim.

In the accompanying drawings:—Figure 1 is a side view of a window frame, with its upper and lower sashes, parts being broken away, embodying my invention. Figs. 2 and 3 are detailed views of my sash lock. Figs. 4 and 5 are vertical cross sections of the latch or dog and latch. Fig. 6 is an enlarged, detailed edge view of the invention, applied similarly to Fig. 1.

In the embodiment of my invention, I produce it in three pieces or castings, the bracket A, the latch or dog B and the catch C.

The bracket A, preferably in the form of a casing, open at the front and rear edges, and closed at its sides and bottom, and having integral therewith upon the front edges of its sides, at the top, ears or lug extensions *a*; and projecting from the rear edges of its sides, at about the middle, are perforated lugs or flanges *a'* for securing it by screws or otherwise, in position, it resting upon, or being let into, the parting bead of the window frame.

The latch or dog B, in its general outline, approximately rectangular, is hung or piv-

oted, at its upper right hand corner, between the ears or lug-extension *a* of the casing or bracket A, its pivot passing through it and fixed in said ears or lug-extensions. Thus suspending or pivoting the latch in position causes it to normally project diagonally for about half of its width beyond the front edges of the casing or bracket, and in this projecting portion of the latch or dog is a transverse slot or recess *b* indenting the latch from its forward edge the latch being beveled as at *b'*, upon its lower edge immediately below said slot or recess. The front edge of the dog or latch between the transverse slot and the pivot presents a convenient surface for the finger to push against causing a backward rotation which disengages the latch from the catch and this action of pushing back the latch brings the fingers in juxtaposition with the ledge or lug of the catch C, thus affording a surface against which to exert a downward pressure assisting in lowering the upper sash.

The latch or dog B has at its extreme upper right hand corner a lug or stop *b²* adapted to engage the opposite upper edge of the casing or bracket A to limit the outward movement of the latch or dog and hold it thus normally projected for engagement with the catch. The latch or dog though held by gravity in its projected position yet gravity may be assisted by the action of a spring (not shown) which it is obvious can be readily applied to the latch or dog so as to effect that purpose.

The catch C, preferably, in its general form, rectangular and adapted to be secured, by screws or otherwise, to the upper sash, is provided with a ledge or lug *c* at its upper edge, said lug or ledge outstanding therefrom, at the forward side of the catch, and having its inner lower end beveled as at *c'* upward and outward to enable it to readily engage and automatically pass the beveled lower edge of the latch as the upper sash is raised. It will, therefore, be seen that, assuming the upper sash is down, by forcing or pushing it upward to its closed position, the latch and catch will be caused to automatically interlock and hold the upper sash-jamb-tight to its place against accidental downward

displacement by the action of the wind or any jarring motion or house-breakers or from other cause.

I claim and desire to secure by Letters Patent—

5 ent—
In a sash lock, the combination of the open-sided closure or bracket, having means for its attachment to the window casing and provided, near its upper forward edge, with projecting opposite, apertured lugs, the latch
10 hung, near its upper forward corner-edge, by a pivot bearing in said lugs, and having, at its upper corner edge, a stop or lug to engage

the opposite edge of said bracket, and, in its forward edge, a transverse slot, and having, 15 below this slot, a beveled forward edge, and the catch having means for its attachment to the upper sash and an inclined lateral lug to engage said slot, substantially as set forth.

In testimony whereof I affix my signature in 20 presence of two witnesses.

GEROLT GIBSON.

Witnesses:

PRESTON GIBSON,
HENRY W. BOND.