

(No Model.)

J. M. HARPER.
SASH FASTENER.

No. 541,930.

Patented July 2, 1895.

Fig. 1.

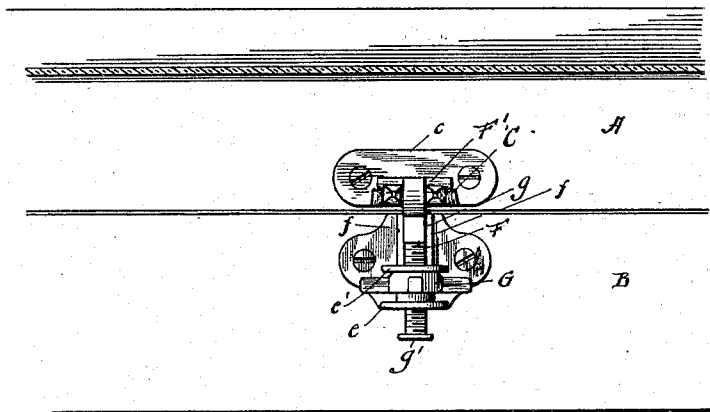


Fig. 2.

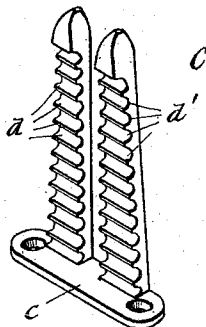


Fig. 4.

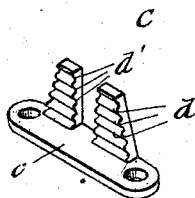
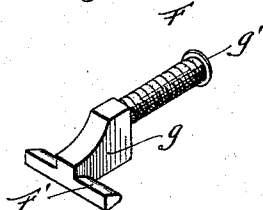


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES M. HARPER, OF PEORIA, ILLINOIS.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 541,930, dated July 2, 1895.

Application filed September 13, 1894. Serial No. 522,928. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. HARPER, a citizen of the United States; and a resident of Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Sash-Fasteners; and I do 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 letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a plan view of invention applied. Fig. 2 is a detail of bifurcated post. Fig. 3 is a detail of bolt. Fig. 4 is a perspective view of modification of bifurcated post.

The object of this invention is to provide a simple, secure, and convenient device for locking the sashes of windows either wholly closed or with the upper sash lowered to any one of several different points; and the invention consists in the novel construction and combination of parts, all as hereinafter described and pointed out in the appended claims.

Referring to the accompanying drawings, the letter A designates the lower rail of an upper window sash, and B the upper rail of a lower sash, said rails meeting in the usual manner.

Secured to the upper face of the rail A, usually a little to one side of the center thereof is a casting consisting of a perforated base plate c and an upright slotted or bifurcated post C, the outer face of each arm or branch of which is formed with a series of transverse ridges or corrugations d, separated by concavities d'.

Secured to the corresponding face of the rail B is a casting D, having formed thereon two vertical lugs e, e', parallel with each other and with the plane of the rail. Extending from right angles from the outer face of the outer lug e', are two parallel lugs or flanges f, f'.

F designates a locking bolt, whose threaded shank passes loosely through perforations in the lugs e, e', and is engaged between said lugs by a thumb or star nut G. The outer portion of said bolt consists of an enlarged, edgewise disposed part g, which is arranged to slide be-

tween the lugs f, f', which guide its movement, and to work between the arms of the post C. Said bolt at its outer end terminates in a T-shaped head F', the inner edge of whose transverse arm is beveled or rounded to correspond with the corrugations of the post C. The inner end of the bolt is flanged or headed, as indicated at g', to prevent its drawing out of the lugs e, e'.

By a simple turning of the nut G it will be apparent that the head F' of the bolt F will be locked tightly to the post C, and will lock the sashes in entirely closed position, or with the upper sash lowered more or less as may be desired.

Where it is desired to provide a lock to secure the sashes in closed position only, the same construction is followed, with the exception that the post C is made much shorter, as shown in the drawing.

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

1. The combination with the meeting rails of window sashes, of a slotted, vertical post attached to one of said rails, and having its outer face transversely corrugated, a casting attached to the other of said rails, a locking bolt movably seated in said casting and having a head arranged to engage the corrugations of said post, and a nut on said bolt confined between lugs or guides of said casting, substantially as specified.

2. In a sash and ventilating lock, the combination with the casting having the slotted, corrugated post C, of the casting D having the parallel lugs e, e', and the lugs or flanges f, f', at right angles to said lugs, a locking bolt having a threaded shank passing loosely through perforations in the said lugs e, e', a guide portion working between the flanges f, f', a head portion arranged to engage the corrugations of the post C, and a nut held on said bolt between the lugs e, e', substantially as specified.

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

JAMES M. HARPER.

Witnesses:

ANNIE B. BAILY,
GEORGE ROCHESTER.