

(Model.)

M. W. MAHAR.

FASTENER FOR MEETING RAILS OF SASHES.

No. 275,778.

Patented Apr. 10, 1883.

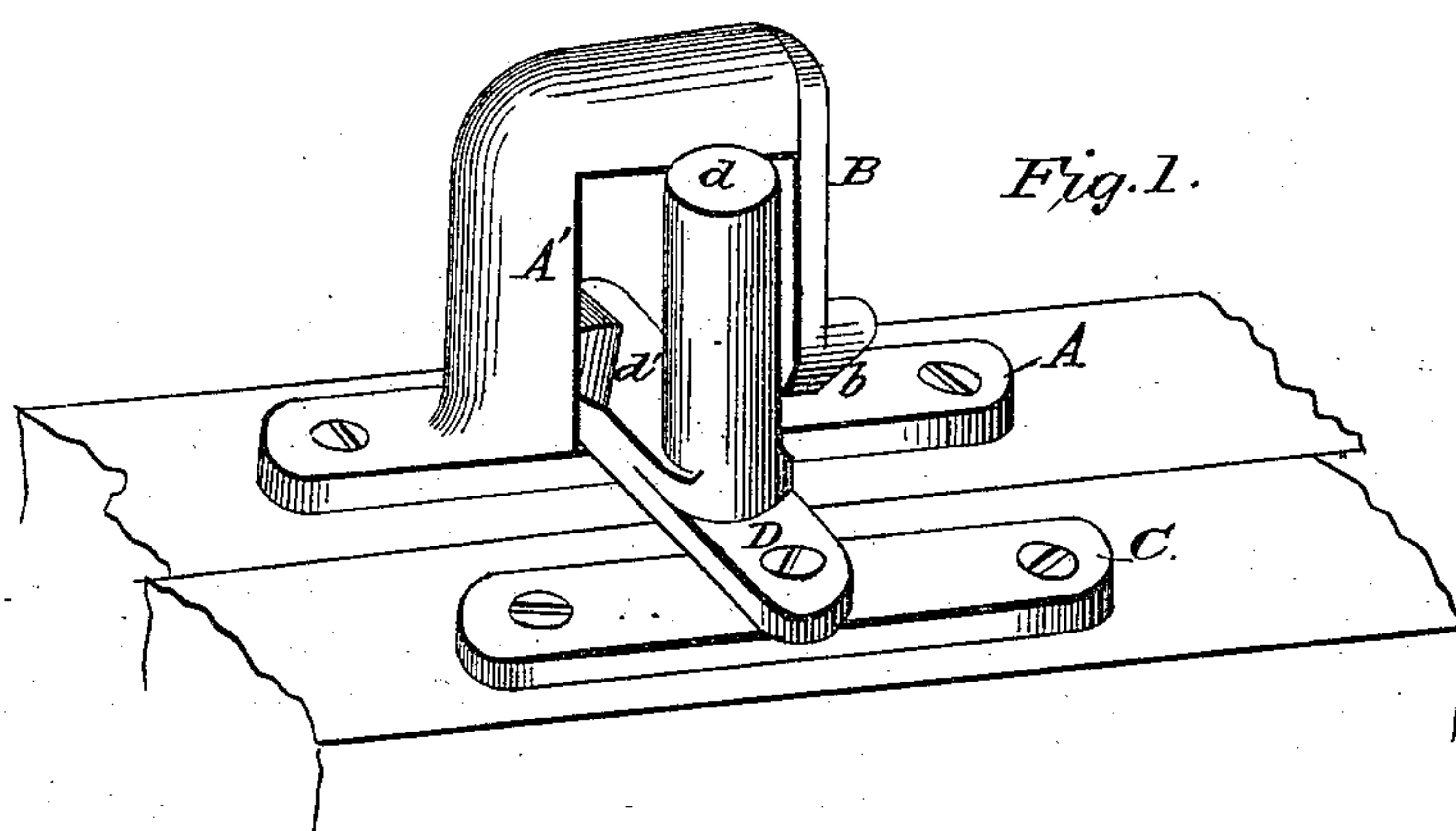


Fig. 1.

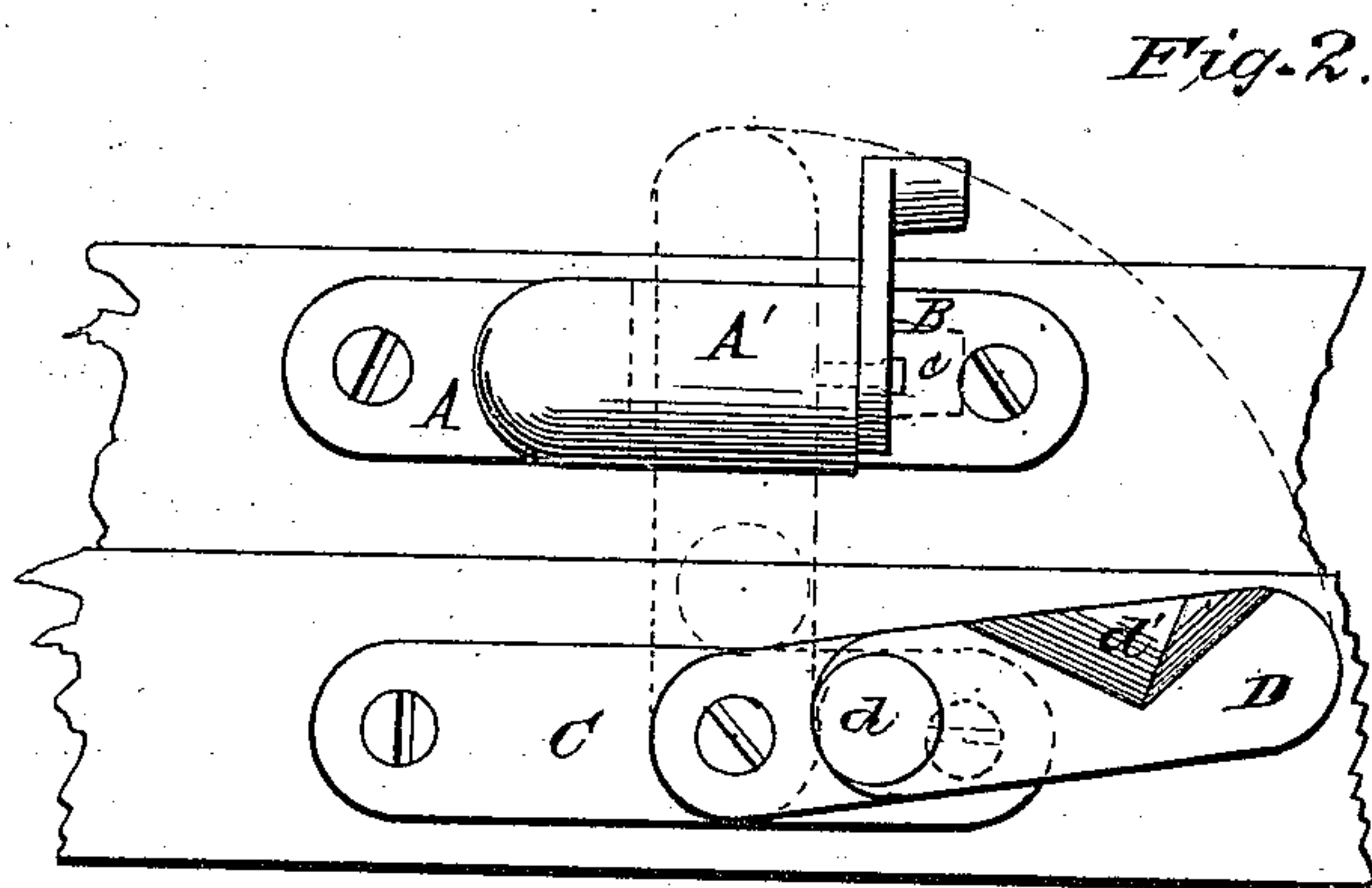


Fig. 2.

WITNESSES:

*Fred. L. Dieterich*  
*J. G. Fink*

*Michael W. Mahar*  
INVENTOR,  
*by Louis Bagges & Co*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

MICHAEL W. MAHAR, OF NATIONAL MILITARY HOME, OHIO, ASSIGNOR OF  
THREE-FOURTHS TO JOHN M. PATTERSON, OF WINDFALL, INDIANA.

## FASTENER FOR MEETING-RAILS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 275,778, dated April 10, 1883.

Application filed October 24, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, MICHAEL W. MAHAR, of National Military Home, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Sash-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to sash-fastenings; and the novelty consists in the construction and arrangement and adaptation of parts, as will be more fully hereinafter set forth; and specifically pointed out in the claim.

Various devices having the same object in view have been before designed; but in most instances of which I have knowledge the devices are either liable to get out of order or become useless for the purpose designed by reason of contraction and expansion of the sash, as is notably the case in the pivoted oscillating arm secured to the lower sash operating in a close-fitting keeper in the upper sash. Unless the sashes register perfectly, the arm would not enter the keeper.

In this invention sufficient vertical space is left in the keeper to accommodate all reasonable expansion in both sashes and to allow the lower sash to be raised slightly to admit air at the bottom, and the sash is locked by a single movement of one hand, a pivoted gravitating arm giving way to the locking-arm as the same is forced over the lower rail of the lower sash.

The invention is fully illustrated in the accompanying drawings, which form a part of this specification, and in which Figure 1 is a perspective view of my invention, and Fig. 2 a top plan view.

Referring to the drawings, in which similar letters of reference indicate like parts in both the figures, A represents the base-plate, adapted to be secured to the upper surface of the

lower rail of the upper sash, and A' an elbow-arm rigid therewith. To the end of this elbow-arm is pivoted upon a screw, *c*, a gravitating arm, B, having a rounded or beveled side, as shown at *b*.

C represents a plate secured to the upper rail of the lower sash, to which is pivoted the locking oscillating arm D, having handle *d* and beveled or rounded portion *d'*. These beveled portions *b* *d'* operate together to throw the gravitating arm B automatically out of the way when the arm D is automatically thrown inward, allowing the operation of locking the sashes to be performed by a single movement.

It will be observed that the knob or handle *d* is so situated that when the arm B is thrown toward the operator the unlocking of the sashes cannot be performed, and that space is left between the horizontal portion of the elbow-arm A' and plate A sufficient to insure the proper working of the device.

The essential object obtained in this construction combines certainty of operation, automatic operation, efficiency, usefulness, and durability without the use of springs, and without liability to get out of order.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

In a sash-lock, the combination of the plate A, fastened upon the upper sash, and having vertical elbow-arm A', provided with the gravitating arm B, beveled at its lower end, *b*, and pivoted upon its horizontal part, and plate C, fastened upon the lower sash, and having swinging arm D, beveled at *d'*, and having lug *d*, whereby a slight vertical play is allowed to the lower sash, substantially as shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

MICHAEL W. MAHAR.

Witnesses:

HAMILTON CUSHING,  
WILLIAM CARGE.