J. J. Henry,

Shutter Fastener.

No. 30,730. Patented Nov. 27, 1860.

Fig. 6.

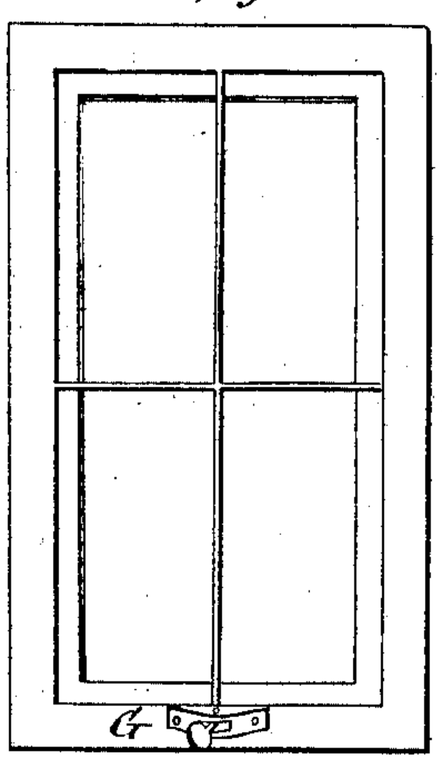


Fig. 4.

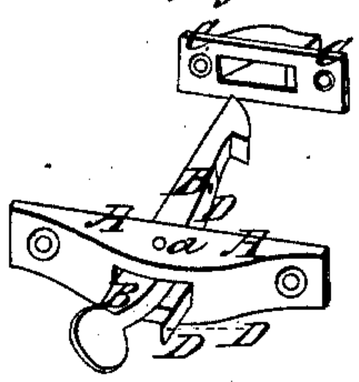


Fig. 8.

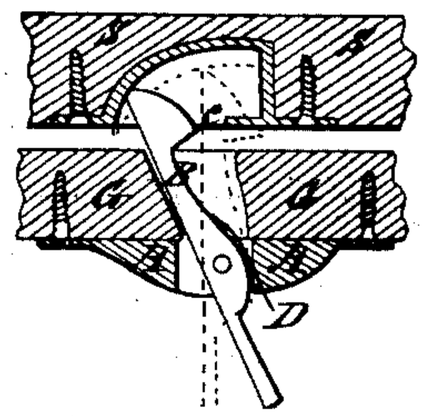
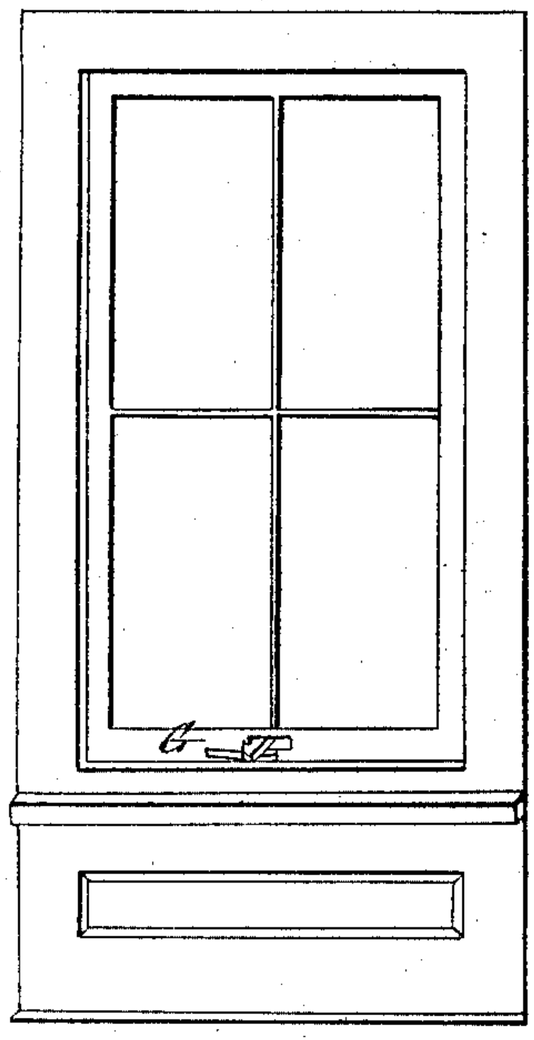


Fig. 5

Fig. 7



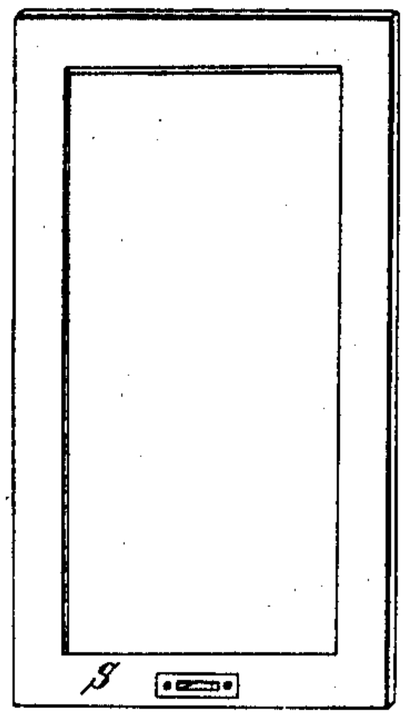


Fig. 3

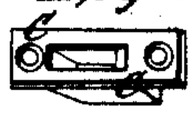


Fig. 2

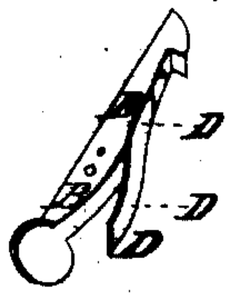


Fig. 1.

Witnesses:

Richd Vandewater

James B Sanders

Inventor:

J. J. Henry

UNITED STATES PATENT OFFICE.

JOHN J. HENRY, OF NORTH WHITE CREEK, NEW YORK.

BLIND-FASTENING.

Specification of Letters Patent No. 30,730, dated November 27, 1860.

To all whom it may concern:

Be it known that I, JOHN J. HENRY, of North White Creek, Washington county, State of New York, have invented a certain Improvement in the Construction of Fastenings for Shutters or Blinds to Windows; and I declare the following specification, with the drawings hereto attached as part of the same, to be a full and complete description of my invention.

Figures 1, 2 and 3, represent the different parts of my apparatus detached from each other; Fig. 4 the parts as combined together; Fig. 5 the spring used to throw the shutter out when released from the catch; Fig. 6 a window sash with the apparatus attached as seen from the inside of the house; Fig. 7 the same in reverse; Fig. 8 a horizontal section through the sash shutter and apparatus, taken through the center of the apparatus G being the sash and S the shutter.

In the drawings similar letters denote the same parts of the apparatus.

A is a block or bracket of metal, which is to be fastened to the lower rail G of the sash frame. Through its center is a cavity within which the bar B lies, being pivoted therein at *a* free to vibrate a few degrees. The inner end of the bar is formed into a thumb piece, and the outer end into a catch, as shown in the drawings.

C is the socket, with a detent at *e* (Fig. 8) for the catch, and is attached to the shutter S, so as to receive the catch whenever the shutter is put up in place. The essential form of this socket is shown in Fig. 8, where the dotted lines show the position of the catch, when the shutter is fastened down in its place; also the form of that portion of the socket, against which the end of the catch operates as it is moved sidewise to pass out from under the detent. The dark lines show the catch in this latter position when rubbing against the socket it has pressed the shutter so far out from the frame as to loosen it for removal, while it prevents the catch from dropping back under the detent, when the finger is removed from the thumb piece. This it will be seen is done by giving to the bottom of the socket an eccentric or cam shaped form so that as the catch is swept around, it must force the bracket A and socket C apart. A spring E (Figs. 5 and 7) may be added to aid this movement if wished but is not necessary.

A spring D, attached to B, keeps the catch in place when the shutter is closed.

This invention can be applied to sashes and shutters of every description; but is supposed to be especially advantageous in fastening the shutters of shop windows. All who have handled these shutters, know the inconvenience of using screw bolt fastenings, and the troublesome manipulations connected with the operation; liable to derangement from the slightest fouling of the screws, or any little obstacle interposing between the frame and shutter.

I claim as my invention—

The eccentric form of the socket C, as described so that the movements of the bar B, after detaching the catch may press the block A which carries the catch, apart from the socket C, substantially as set forth in the within specification.

J. J. HENRY.

Witnesses:

RICHD. VARUK DE WITT,

JAMES B. SANDERS.