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CHARLES C. SHEPHERD.

Improvement in Sash Holders.

No. 122,496. Patented Jan. 2, 1872.

Fig. 1.

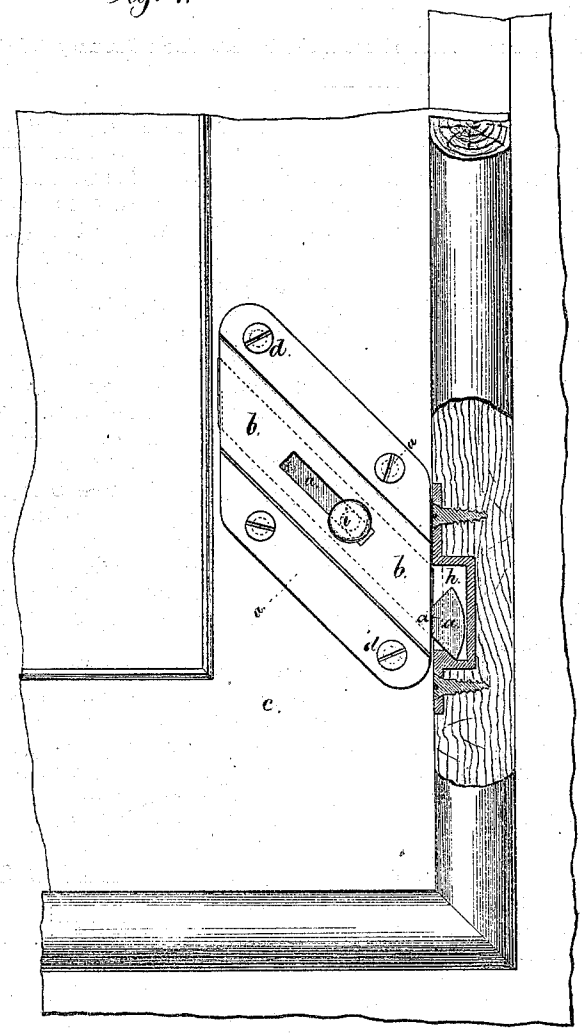
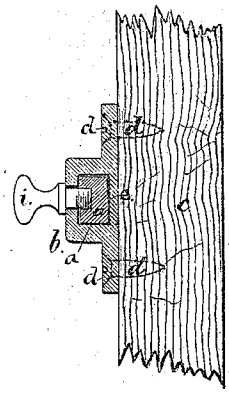


Fig. 2.



Witnesses.

Chas A Smith

Geo A Walker

Inventor.

Charles C. Shepherd

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UNITED STATES PATENT OFFICE.

CHARLES C. SHEPHERD, OF PASSAIC, NEW JERSEY.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 122,496, dated January 2, 1872.

To all whom it may concern:

Be it known that I, CHARLES C. SHEPHERD, of Passaic, in the county of Passaic and State of New Jersey, have invented and made an Improvement in Sash-Supporters; and the following is declared to be a correct description of the same.

This sash-supporter is especially intended for railway car windows, but is available for other characters of sashes. Bolts have been made use of for holding sashes in any elevated position, and sliding and swinging levers have also been employed, but they are liable to be bent, and are costly and not always reliable; and, with bolts, two hands are required for operating them and the sash.

My device consists in a self-acting bolt that is made of a bar placed in an inclined case, so that it slides down the incline by its own weight and enters a notch in the casing to support the sash at the required points of elevation, and this sash-support can also be employed as a lock for preventing the window being raised.

In the drawing, Figure 1 is an elevation of the said sash-supporter; and Fig. 2 is a section through the line *a a*.

The case for the diagonal bolt *a* is made to sustain the same in the required inclined position. The said case *b* is, preferably, made with flanges by which it is held to the sash *c* by screws *d d*, and the back plate *e* is a piece of metal that keeps the bolt *a* from contact with the wooden sash. The bolt slides loosely in the case so as to run down the incline by its own gravity and enter one of the notches in the frame and sustain the sash. A knob, *i*, projecting from the bolt through a slot in the case is employed to draw the bolt *a* up out of contact with the frame at the notch when the sash is to be lifted. The upper side of the bolt near the end is notched so as to present nearly a level surface to the upper side of the notch *h* in the casing and serve as a lock to prevent the sash being lifted until the bolt is drawn back. The bolt and its case are parallel; the bolt is supported and slides freely in the case, and the edge of the case being diagonal to the bolt insures a proper inclination of the bolt when put upon the window. This is, therefore, to be distinguished from spring-catches with enlarged heads to catch the sash, and from locks with diagonal bolts actuated by keys.

I claim as my invention—

The self-acting diagonal bolt, with a beveled and notched end, entering a notch in the window-frame and sliding freely in, and combined with a flanged case cast in a single piece, as and for the purposes set forth.

Signed by me this 14th day of October, A. D. 1871.

CHAS. C. SHEPHERD.

Witnesses:

GEO. T. PINCKNEY,

CHAS. H. SMITH.

(24)