CHARLES H. ECCLESTON.

Improvement in Sash Holders.

No. 122,939. Patented Jan. 23, 1872.

*Fig. 1.*

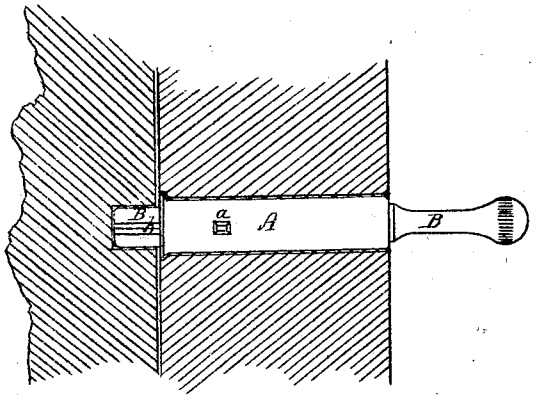



*Fig. 2*

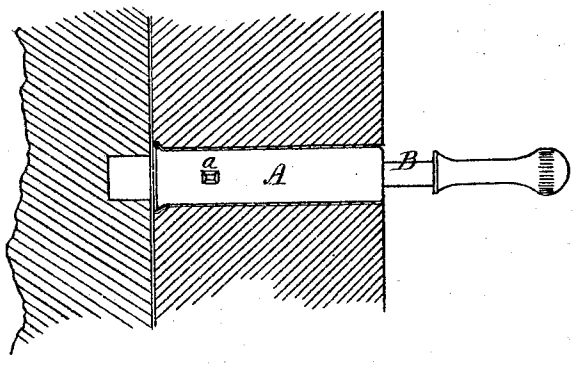



*Fig. 3.*

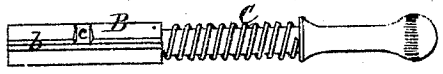
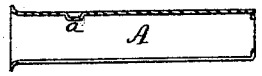



*Fig. 4.*




**Witnesses:**

Wm. Wagner

Jno. A. Cooper.

**Inventor:**

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by Johnson, Klauske & Co

his attorneys.

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

# UNITED STATES PATENT OFFICE.

CHARLES H. ECCLESTON, OF OXFORD, NEW YORK.

## IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 122,939, dated January 23, 1872.

I, CHARLES H. ECCLESTON, of Oxford, in the county of Chenango and State of New York, have invented a new and useful Improvement in Window-Sash Stoppers, of which the following is a specification:

My improvement relates to what is known as the Judd Spring-Bolt Sash-Stopper; and the improvement which I have made thereon has for its object the adjustment of said bolt so as to hold it from contact with the frame in raising and lowering the sash. This improvement consists in forming the case which incloses the spring and bolt with a swaged interior projection, and the bolt with a longitudinal and lateral slot to receive said swaged projection, for the purpose of allowing the bolt to move over the latter and to be turned within the case to lock and unlock it therewith in raising and lowering the sash.

In the accompaying drawing, Figure 1 is a view of part of a window-sash frame with my improved spring-bolt holding the window in place. Fig. 2 is a similar view, the spring-bolt being held back by my improvement to allow the sash to be raised or lowered without interference from the bolt. Fig. 3 is a detached elevation of the grooved bolt with its surrounding spring, and Fig. 4 is a sectional view of the inclosing case or shell, showing the swaged inward projection.

The case A incloses the bolt B, which is operated in the usual manner by means of spiral spring C. The case A is a piece of sheet metal bent into proper shape, but with a swaged inward projection, *a*, which may be done in one operation. The bolt B is cast with a longitudinal slot, *b*, extending its full length, from which extends a short lateral or transverse slot, *c*. This latter slot *c* is formed at a distance from the end of the bolt equal to the distance of the swaged inward projection *a* from the corresponding end of the case A, so that when the bolt is drawn in flush with the end of the case it can be turned on its axis over the said projection.

In raising or lowering a sash provided with Judd's spring-bolt sash-stopper the operator must hold the bolt while the sash is raised or lowered to prevent the end of the bolt from coming into frictional contact with the window-frame, and from entering any other but the desired tube to hold the sash in position.

By my improvement the bolt can be locked so as to prevent its being operated by the spring while the sash is raised or lowered; for when the bolt is withdrawn to unlock the sash, before raising or lowering the latter, the swaged inward projection *a* is brought directly opposite the slot *c* of the bolt, so that a side turn of the bolt will cause the projection *a* to enter slot *c*, whereby the locking of the bolt is effected; and when the sash has been raised or lowered to the desired point a slight turn of the bolt around its own axis in the opposite direction will cause the projection *a* to be moved out from the slot *c* into the slot *b*, when the spring C can again exert its power to operate the bolt. The slot *b* must extend the whole length of the bolt proper, to enable the shell or case A, with its swaged inward projection, to be passed over it when the parts are put together. As the slots *b c* are formed at the same operation with the casting of the bolt, and as the inward projection *a* is formed with the case by being passed between two rollers, one of which has a raised and the other a sunk form of the projection, my improvement requires no additional expense in the manufacture of the sash-stopper, while its great advantages and convenience are apparent without further enumeration.

Having described my invention, I claim—

In a sash-holding device, having a cylindrical bolt and a closely-fitting inclosing-case, the groove *b*, made open at both ends and intersected by the locking-groove *c*, to receive the swaged projection *a* of the case, made in one piece, to allow the bolt to be fitted and locked therein, as described.

The above specification of my improvement in window-sash stoppers signed this 9th day of June, 1871.

C. H. ECCLESTON.

Witnesses:

A. E. H. JOHNSON,

ALEX. A. C. KLAUCKE.