C. L. ALEXANDER.

Sash-Fastener.

No. 169,222. Patented Oct. 26, 1875.

Fig. 1.

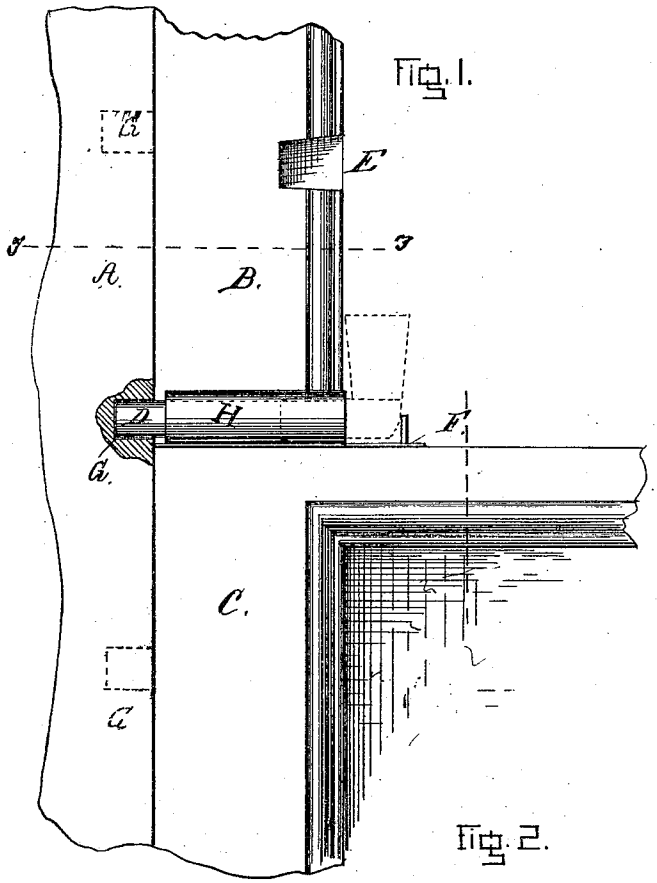


Fig. 3.

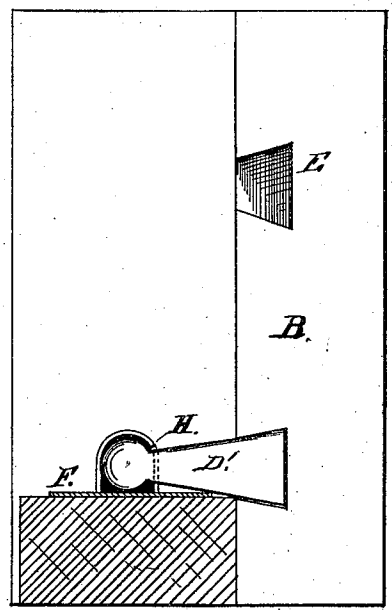
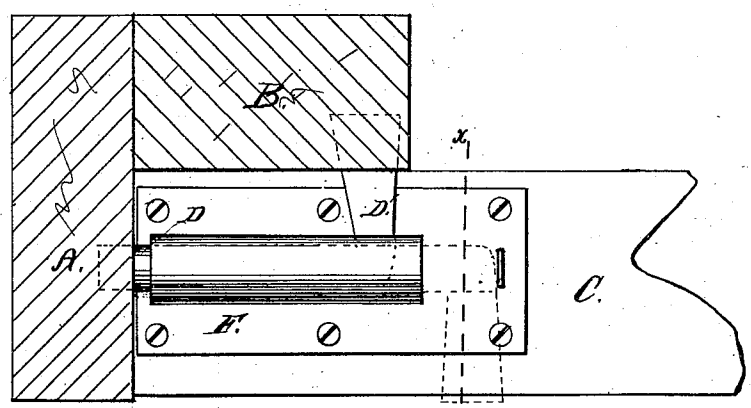


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES L. ALEXANDER, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **169,222**, dated October 26, 1875; application filed September 22, 1875.

To all whom it may concern:

Be it known that I, CHARLES LOUIS ALEXANDER, of Washington, in the county of Washington and District of Columbia, have invented certain new and useful Improvements in Window-Sash Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

In the accompanying drawings, Figure 1 is a front view of a section of two window-sashes and a part of the window frame or jamb, with my improved fastening applied thereto. Fig. 2 is a horizontal section on the line *y y*, Fig. 1. Fig. 3 is a vertical transverse section on the line *x x*, Figs. 1 and 2.

My invention consists of a bolt (with head of a dovetail form) attached to the lower sash and working into a series of holes in the frame and into suitable dovetail notches at different points in the upper sash for the purpose of fastening both sashes at any desired height, and also when the window is closed.

In the application of my improved window-sash fastening the window frame and sash may be of the ordinary general construction.

In the drawings, A represents a section of a window-frame with a series of holes, G, for receiving the end of the bolt D, and thus fastening the lower sash C at any desired height. This bolt D is fastened to the lower sash by means of a plate, F, provided with a bolt-case, H, Fig. 2. The upper sash B has a series of notches, E, of dovetail form, to receive the head D′ of the bolt D, as shown in Fig. 3. By means of this dovetail form of the bolt-head, and the notches or mortises E, the bolt is locked into the upper sash B so that the head will not draw out by the shaking of the sashes in the wind; and this bolt-head locks the two sashes more securely on account of the head of the bolt sliding into a notch in the bolt-case, as seen at H′, Fig. 3. The series of holes G in the window frame or jamb, and also the series of notches E in the sash, may be made upon any desired scale, but I prefer making the holes and notches about two or three inches apart.

My improvement is applicable to windows having weights and cords, and also to all other ordinary windows.

Having thus described my improvements, I claim—

The above-described bolt D, attached to the lower sash C by means of the plate F and bolt-case H, and working into the series of holes G in the window-frame A, while the head of the bolt locks into the series of notches E in the upper sash, substantially in the manner and for the purposes set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

CHARLES LOUIS ALEXANDER.

Witnesses:

DANIEL BREED,

FRED. G. DIETERICH.