

(No Model.)

C. R. NELSON.
WINDOW BEAD FASTENER.

No. 338,433.

Patented Mar. 23, 1886.

Fig. 1.

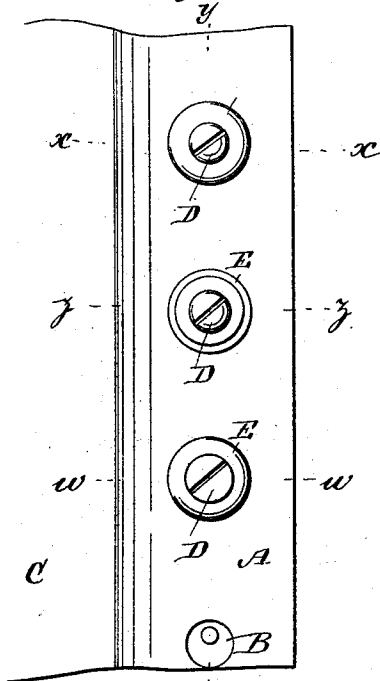


Fig. 2.

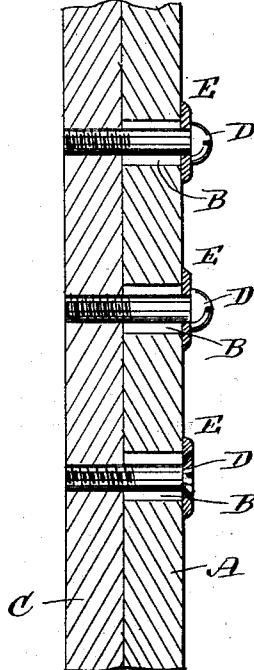


Fig. 3.

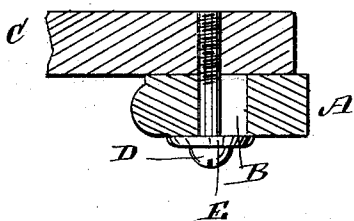


Fig. 4.

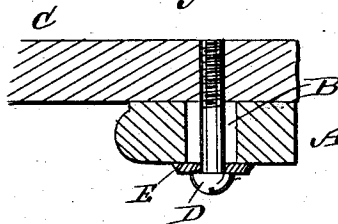
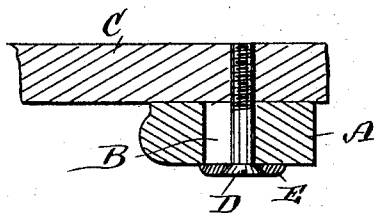


Fig. 5.



WITNESSES:

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CHARLES R. NELSON, OF NEW YORK, N. Y.

WINDOW-BEAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 338,433, dated March 23, 1886.

Application filed December 5, 1885. Serial No. 184,810. (No model.)

To all whom it may concern:

Be it known that I, CHARLES R. NELSON, of the city, county, and State of New York, have invented a new and Improved Bead-Fastener, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved bead-fastener for holding stop-beads on window-frames in place in such a manner that they can easily be adjusted on the frame to have the proper position in relation to the sashes, thus preventing rattling of the sashes.

The invention consists in the construction and combination of parts and details, as will be fully described hereinafter, and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of part of a stop-bead provided with three different constructions of my improved bead-fastener. Fig. 2 is a sectional view of the same on the line *y y*, Fig. 1. Fig. 3 is a sectional view of the same on the line *x x*, Fig. 1. Fig. 4 is a sectional view of the same on the line *z z*, Fig. 1. Fig. 5 is a sectional view of the same on the line *w w*, Fig. 1.

The stop-bead A is provided with a series of circular apertures, B, through which screws D can be passed into the sides of the window-frame C, on which the said bead is to be held, the diameter of the apertures being about equal to three times (more or less) the diameter of the screws, so that the bead can be shifted in all directions a short distance without changing the position of the screws. On the outer surface of the stop-bead a washer, E, is placed over each aperture B, and through the said washers the screws are passed.

The washers may have rounded edges, as shown in Fig. 3, or beveled edges, as shown in Fig. 4, and the heads of the screws may be rounded, as shown in Figs. 3 and 4, or they may be flat, as shown in Fig. 5, and the washer may be provided with a countersink for receiving the said flat head of the screw, as shown in Fig. 5. The screws may also be pro-

vided with square or ornamental heads, and the washers may also be made ornamental.

Some of the different positions of the bead in relation to the screws are shown in Figs. 3, 4, and 5.

As the apertures in the bead are circular, they can be moved at right angles to its longitudinal axis, in the direction of its longitudinal axis, and diagonally up or down, without requiring any changes in the positions of the screws. The washers always cover the apertures B, and thus it cannot be seen whether the screws are at the center of the apertures or out of the same.

It frequently happens that the carpenter does not make the screw-holes in the window-frame exactly in the center of the apertures B, and in order to remedy this defect fresh holes must be made in the frame to permit of fitting the beads nicely. If the beads are provided with the circular apertures, as described above, they can be adjusted nicely without requiring any fresh holes.

The special advantages of my improved bead-fastener are its great simplicity and its facility of adjustment. The bearing-surfaces of the under sides of the washers being five times as great as the bearing-surfaces of the under sides of the heads of the screws it is evident that by applying my improved fastener the bead is held more firmly, and all movement of the bead is prevented when the sash is raised or lowered.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with a stop-bead having circular apertures, of washers placed over the apertures, which washers can completely cover said apertures, and of screws passed through the washers and the apertures into the casing, the diameter of the screws being equal to about one-third of the diameter of the apertures to permit of moving the bead slightly in all directions without changing the positions of the screws, substantially as herein shown and described.

CHARLES R. NELSON.

Witnesses:

OSCAR F. GUNZ,
EDGAR TATE.