

(No Model.)

E. W. NEWKIRK.
WINDOW BEAD FASTENER.

No. 505,122.

Patented Sept. 19, 1893.

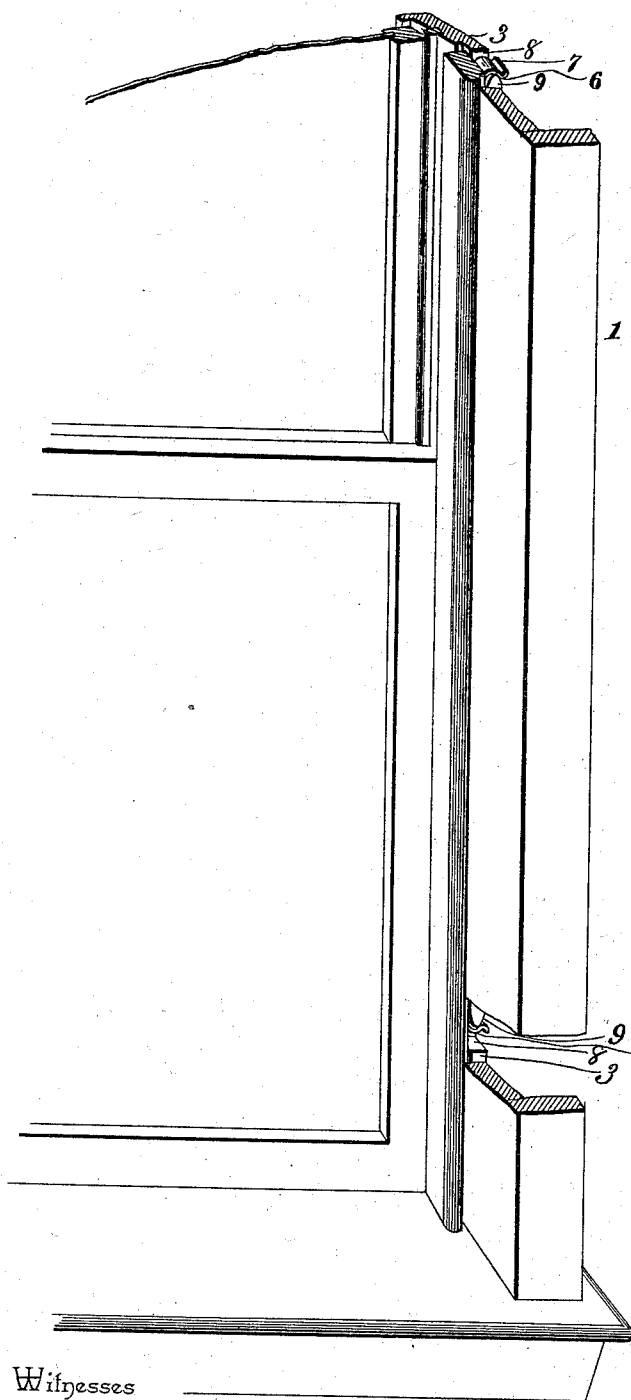


Fig. 1

Fig. 2

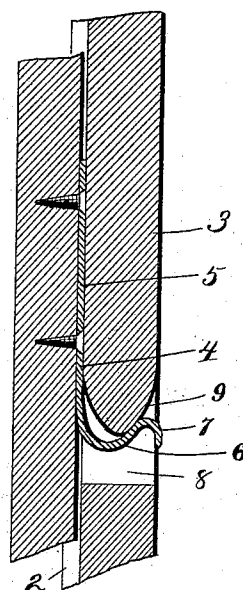
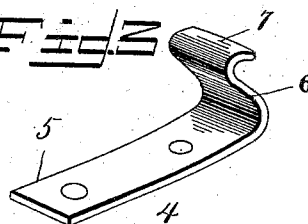


Fig. 3



Witnesses

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By *his* Attorneys,

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UNITED STATES PATENT OFFICE.

EUGENE W. NEWKIRK, OF WOOSTER, OHIO.

WINDOW-BEAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 505,122, dated September 19, 1893.

Application filed February 27, 1893. Serial No. 463,915. (No model.)

To all whom it may concern:

Be it known that I, EUGENE W. NEWKIRK, a citizen of the United States, residing at Wooster, in the county of Wayne and State of Ohio, have invented a new and useful Window-Bead Fastener, of which the following is a specification.

My invention relates to that class of devices adapted for removably securing window beads or strips to the casing, and the object of my improvement is to provide a simple and inexpensive, strong and efficient securing device, capable of universal application in the art and adapted to be applied with facility to constructions now in use. I attain the above objects by a certain novel combination and arrangement of parts fully described herein-after and particularly pointed out in the appended claims, such claims being construed in the light of the present state of the art and of the existing law.

In the drawings: Figure 1 is a perspective view, partly broken away, of a portion of a window frame, with the bead secured in place by means of fastening devices embodying my invention. Fig. 2 is a detail vertical sectional view through one of the fastening devices. Fig. 3 is a detail view, in perspective, of one of the spring clips.

Similar reference numerals denote corresponding parts in the several views of the drawings.

In devices of the class to which this invention relates it is common to employ numerous plates, catches, and other attachable means for the engagement of the retaining spring or clip, such parts adding materially to the cost of manufacture and to the difficulty of attachment.

In carrying out my invention I employ a simple spring, constructed in a peculiar manner, which enters and engages the wall of an opening formed in the side of the window-casing.

1 represents a portion of a window-casing, which is provided with a vertical groove, 2, forming a seat for the bead or strip, 3.

Permanently attached to the rear side of the bead or strip is a clip 4, having an attaching arm 5, and a compound curved engaging arm, 6, which stands outward, essentially perpendicular to the surface of the bead, and is

provided with a flared or angularly disposed lip 7 at its terminal. I preferably employ one of these clips adjacent to each end of the bead, said clips being identical in construction, but being reversed in their placement upon the bead so as to oppose each other. For instance, the curved engaging arms are, at their inner ends or points adjacent to the surface of the bead, convexed away from each other and at their outer ends are convexed toward each other. Furthermore, the lips at the terminals of said engaging arms are flared away from each other. It will be seen that as these clips are independent of each other they are capable of adjustment in numerous ways, both with relation to the bead and each other.

The openings 8 which are formed in the sides of the window casing to receive the engaging arms of the clips, are provided with wedge or V-shaped engaging walls 9. These engaging walls are beveled in opposite directions, or toward the surfaces of the board forming that part of the casing in which the opening is formed, thus providing a central apex, at the intersection of such beveled surfaces, to bear against the rounded surface of the engaging arm and maintain a constant strain upon the bead to hold it in its seat and prevent rattling.

The openings in the casing, including the above-described beveled wall for the engagement of the clip, may be made by means of an ordinary carpenter's chisel.

Two or more of the fasteners may be employed as required, but under ordinary circumstances two will be found sufficient. As each fastener consists of a single securing arm, as described, and as two of such arms may be separated any desired distance to suit the length of the bead, such arms coacting, as explained, the number of parts necessary to hold a bead in place is reduced to a minimum.

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

1. The combination with a window bead or strip, of a fastening device comprising a pair of independent reversed or oppositely-positioned spring engaging arms arranged respectively near the terminals of the bead or strip and adapted to enter independent spaced

openings in the window casing, the upper wall of one opening and the lower wall of the other opening being V-shaped to engage concave surfaces of the spring-arms, whereby a single
5 pair of spring-arms may be employed for each bead or strip, substantially as specified.

2. The combination with a window casing provided with openings having V-shaped walls, of a bead, and fastening devices com-
10 prising independent spring engaging arms, attached to the outer surface of the bead to enter the said openings in the casing, such arms being similarly constructed and reversed

in position and having, each, a compound curved portion to engage the apex of one of 15 the walls of the opening, and a flared terminal to facilitate engagement therewith, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 20 the presence of two witnesses.

EUGENE W. NEWKIRK.

Witnesses:

LESLIE V. NEWKIRK,
JAMES B. TAYLOR.