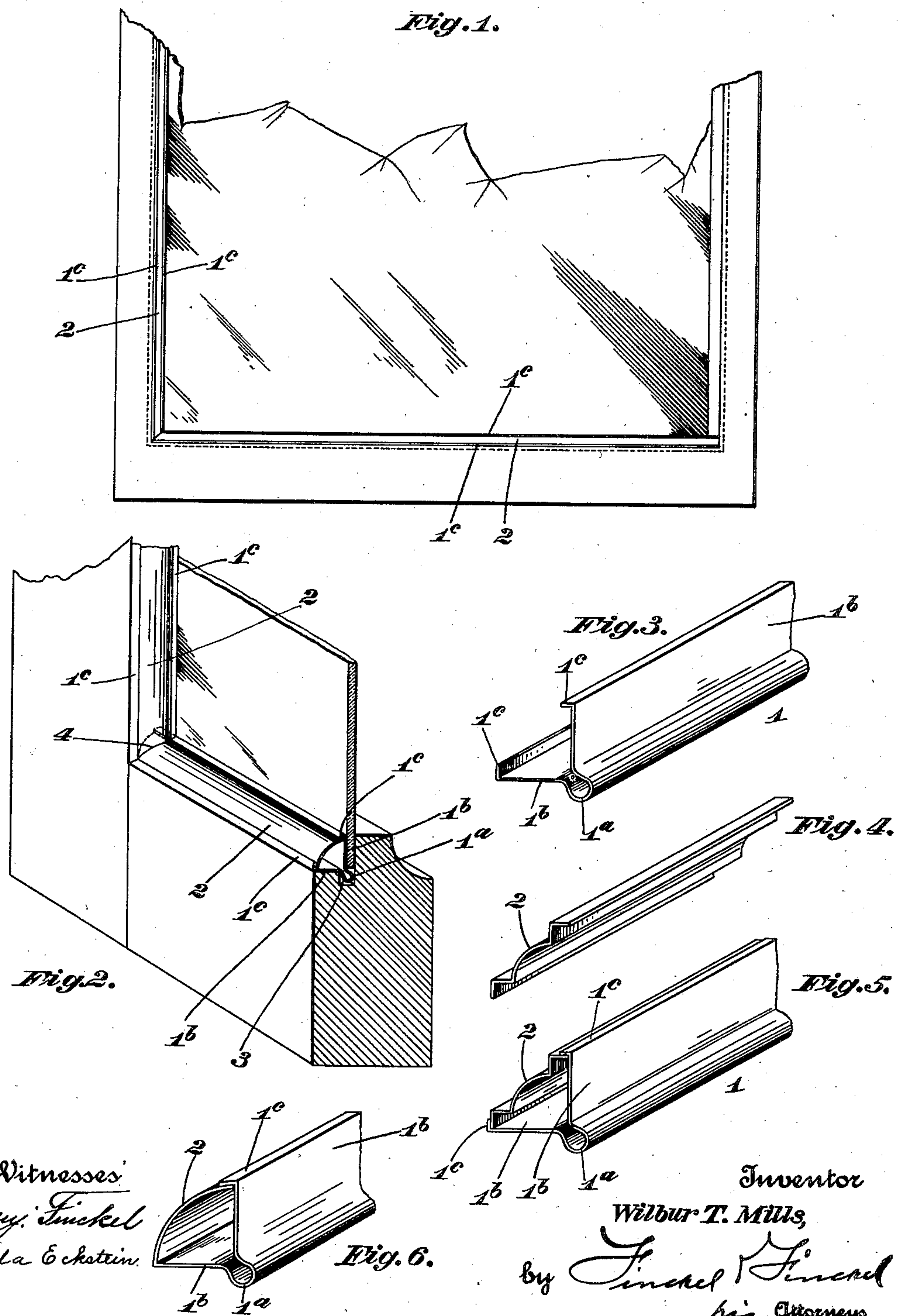


No. 790,908.

PATENTED MAY 30, 1905.

W. T. MILLS.  
STRIP FOR SECURING WINDOW GLASS IN PLACE.  
APPLICATION FILED DEC. 29, 1904.





# UNITED STATES PATENT OFFICE.

WILBUR T. MILLS, OF COLUMBUS, OHIO.

## STRIP FOR SECURING WINDOW-GLASS IN PLACE.

SPECIFICATION forming part of Letters Patent No. 790,908, dated May 30, 1905.

Application filed December 29, 1904. Serial No. 238,816.

*To all whom it may concern:*

Be it known that I, WILBUR T. MILLS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Strips for Securing Window-Glass in Place; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide improved means for securing panes of glass, panels, and analogous objects in their frames; but the invention is more especially designed to provide a substitute for putty in securing glass panes in place.

The invention consists in the improved construction hereinafter described and claimed, the invention not being limited to the precise forms shown.

In the accompanying drawings, Figure 1 is an elevation of the lower portion of a window-frame, showing one vertical and one horizontal securing-strip in place. Fig. 2 is a perspective view of a corner, showing the strips butted. Fig. 3 is a perspective view of a fraction of the primary member of the glass-engaging portion of the strip. Fig. 4 is a similar view of an outer or finishing member, incidentally showing also how its cross-section can be varied to make it more ornamental than the corresponding member shown in Fig. 2. Fig. 5 shows the parts shown in Figs. 3 and 4 secured together. Fig. 6 shows a modification.

The device is composed of two parts, 1 and 2. The part 1 is a strip of sheet metal—as, for example, copper or brass—bent to form a bead 1<sup>a</sup>, and the two webs 1<sup>b</sup> standing approximately in planes at right angles to each other. The webs 1<sup>b</sup> each have narrow lips 1<sup>c</sup> pointing toward each other. The part 2 is preferably a curved strip, also of sheet metal, adapted at its edges to engage the lips 1<sup>c</sup>.

In practice I propose that in addition to the ordinary right-angular rabbeting around the window-frame to provide a groove 3 to extend beyond the edges of the glass pane or panel into which the bead 1<sup>a</sup> is inserted. The diameter of the bead 1<sup>a</sup> is preferably such that it shall be necessary to spring the webs

1<sup>b</sup> toward each other to effect the insertion of the bead into the groove 3. The elasticity of the member will then cause the webs 1<sup>b</sup> to spring tightly and fit neatly against the adjacent parts of the glass and frame, after which the member 2 can be inserted by springing it, if desired, under the lips 1<sup>c</sup>, or it can be done by bending the lips down on the edges of the strip 2 without springing the latter.

The vertical strips can be beveled or trimmed around, as indicated at 4, to fit or cope on the end of the horizontal strip at the corners, as indicated in Fig. 2, so as to shed water. Fastening devices can be added to secure the molding thus described, if desired or necessary; but usually the neck of the bead 1<sup>a</sup> will suffice to prevent the accidental displacement of the parts. It will be noted also that the strip 2 effectually holds the webs 1<sup>b</sup> in their proper relation to each other against the glass and frame.

In Fig. 6 the strip 2 is shown to be integral with the strip 1.

What I claim, and desire to secure by Letters Patent, is—

1. Means for securing glass panes and the like in place comprising in combination two strips one bent to form a bead and two webs and the other adapted to engage the edges of said webs.

2. Means for securing glass panes and the like in place comprising in combination two separate strips one bent to form a bead and two webs and the other adapted to engage the edges of said webs.

3. In combination with a frame rabbeted to receive a pane or panel and provided with a groove, 3, and the pane or panel, of means to secure the pane or panel in place consisting of two strips, one bent to form a bead to enter said groove and webs to bear against the glass and the frame and the other subtending the outer edges of the webs, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILBUR T. MILLS.

Witnesses:

BENJ. FINCKEL,

SAMUEL W. LATHAM.