No. 843,027. PATENTED FEB. 5, 1907.

A. T. MOORE.

GLASS FASTENER.

APPLICATION FILED APR. 2, 1906.

Fig. 1.

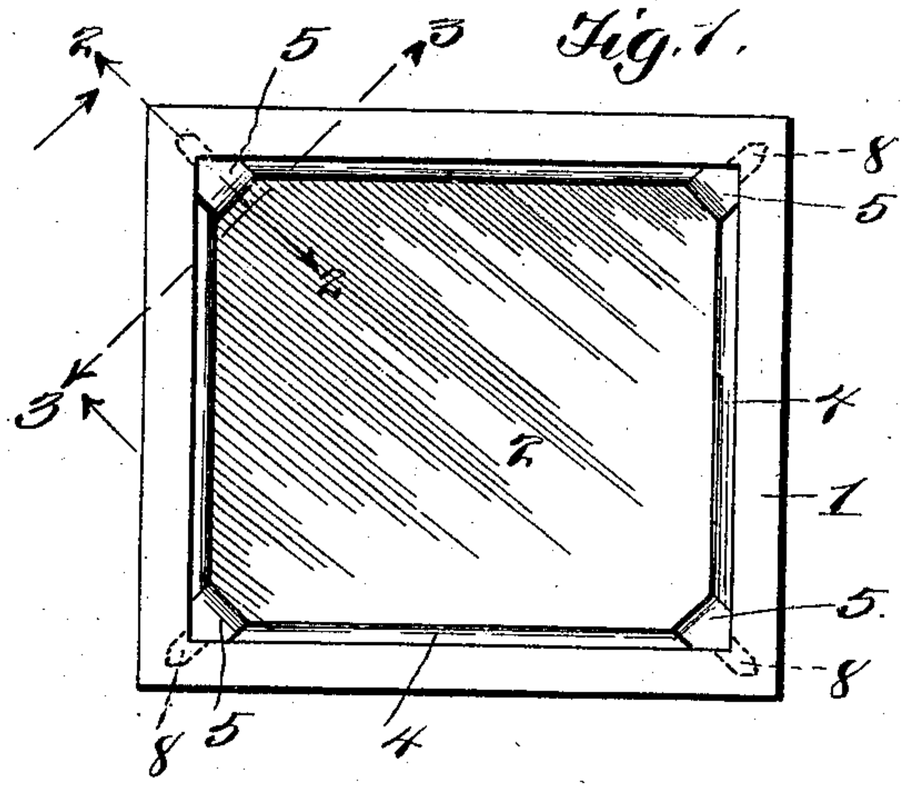
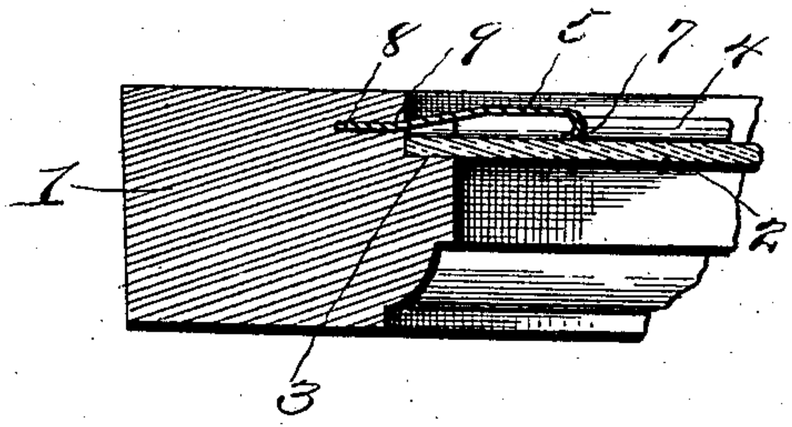


Fig. 2.

Fig. 3.



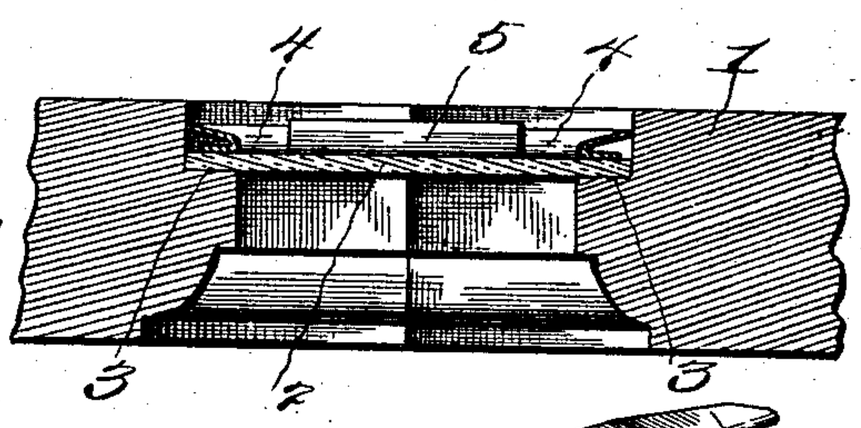


Fig 4

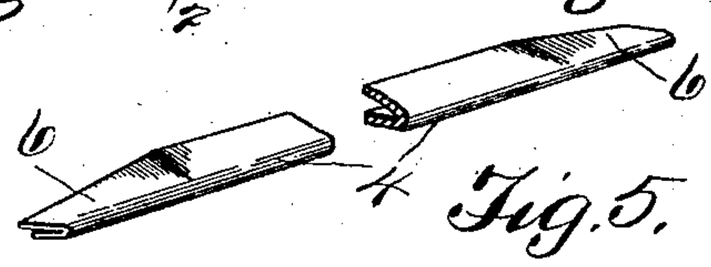


Fig. 5.

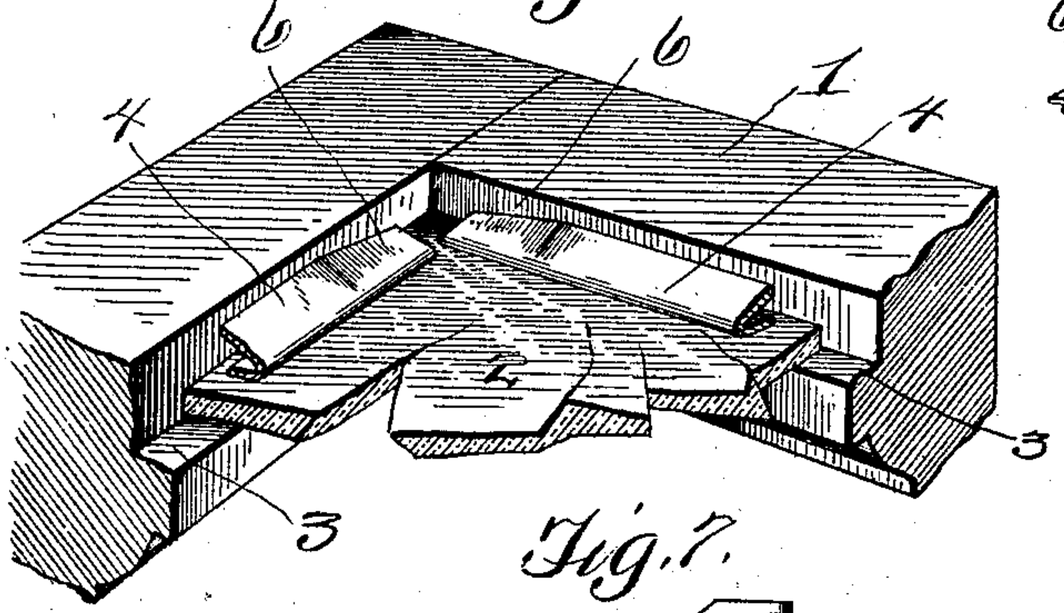


Fig. 7.

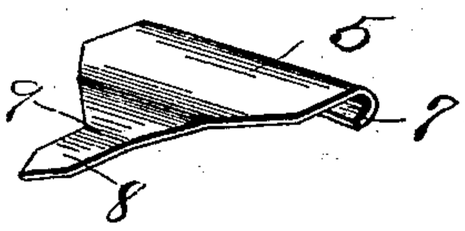


Fig. 6.

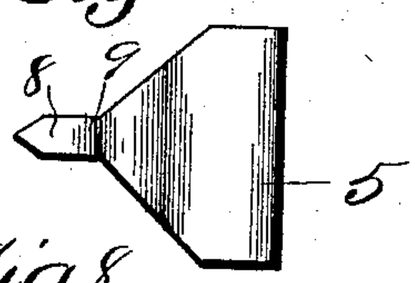
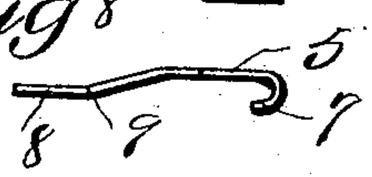


Fig 8



Witnesses

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UNITED STATES PATENT OFFICE.

ALEXANDER T. MOORE, OF NEW ORLEANS, LOUISIANA.

GLASS-FASTENER.

No. 843,027. Specification of Letters Patent. Patented Feb. 5, 1907.

Application filed April 2, 1906. Serial No. 309,470.

To all whom it may concern:

Be it known that I, ALEXANDER T. MOORE, a citizen of the United States of America, and a resident of New Orleans, parish of Orleans, State of Louisiana, have invented certain new and useful Improvements in Glass-Fasteners, of which the following is a specification.

This invention relates to a glass-fastener, and particularly to means for securing a glass in a window-sash or other character of frame.

The invention has for an object to provide a novel and improved construction and arrangement of connecting-piece for engaging a retaining-strip at opposite sides thereof to force and hold the strips in contact with both the glass to be held and the frame in which it is carried.

Other and further objects and advantages of the invention will be hereinafter set forth, and the novel features thereof set forth in the appended claims.

In the drawings, Figure 1 is a plan showing the invention applied to a frame; Fig. 2, a section on the line 2 2 of Fig. 1. Fig. 3 is a section on the line 3 3 of Fig. 1. Fig. 4 is a detail perspective of one corner of the frame with the connecting-piece removed. Fig. 5 is a perspective of the strip. Fig. 6 is a similar view of the connecting-piece. Fig. 7 is a plan of the connecting-piece, and Fig. 8 is an edge view thereof.

Like numerals of reference indicate like parts in the several figures of the drawings.

The numeral 1 designates a frame or sash, which may be of any desired size or configuration and provided with the usual glass plate 2, supported upon the shoulder 3 thereof. Resting upon the glass and in contact with the frame is a retaining-strip 4, which may be of any desired character, preferably formed of resilient material V-shaped in cross-section by folding the material of the strip upon itself. This strip is reduced in thickness or diameter at its opposite ends where engaged by the connecting-piece 5—for instance, by compressing the same, as shown at 6 in Fig. 5.

The strip 4 rests on the glass with its folded edge removed from the frame, and this edge is engaged by the overturned or hooked portion 7 at the head of the connecting-piece 5. This portion engages beneath the edge of the adjacent strips and also forms a thicker face by which the piece may be driven into its securing position. This piece is provided with a driving or securing point 8, deflected downward therefrom, as shown at 9, so when driven into the frame it draws the strips both downward into contact with the glass and also outward toward the frame.

In the application of the invention to a rectangular frame, as shown in the drawings, the strips are cut of the proper length and placed in position, when the connecting-pieces are driven into the frame at the corners thereof, so as to engage each of the adjacent strips and draw them downward into firm contact with the glass and also outward toward and into contact with the frame. The invention thus provides means to obviate the necessity of mitering the strips at their meeting ends or the making of a close fit at that point, as the connecting-piece overlaps and hides the ends of the strips, so as to protect the same and effect a smooth and ornamental finish to the work.

The invention also avoids the use of fastening devices applied to the strips through their length and renders the strips readily removable when desirable or necessary. The connecting-pieces form a simple and efficient means for fastening the glass in position against movement or rattling and also effect a tight joint with the frame.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

1. In a glass-fastener, a frame, bearing-strips extending in contact with the frame and its glass, and a connecting corner-piece having a securing-point to enter the angle of the frame and a driving edge to engage the adjacent ends of the strips.

2. In a glass-fastener, a connecting-piece provided with strip-engaging means at one edge and with a securing-point deflected from the body into a plane parallel thereto.

3. In a glass-fastener, a frame, bearing-strips extending in contact therewith, and a connecting-piece provided with a securing-point and an overturned driving edge to embrace the adjacent strips.

4. In a glass-fastener, a frame, bearing-

strips extending in contact therewith and formed with end portions of less diameter, and a connecting-piece having a securing-point and an overturned driving edge overlapping the reduced ends of adjacent strips.

5. In a glass-fastener, a frame, resilient V-shaped bearing-strips extended at an angle to each other, and a connecting-piece having a deflected securing-point and an overturned driving edge to engage and draw said strips downward toward the frame.

Signed by me at New Orleans, Louisiana, this 29th day of March, 1906.

ALEXANDER T. MOORE.

Witnesses:

GEO. W. DEARING, Jr.,

G. W. DEARING.