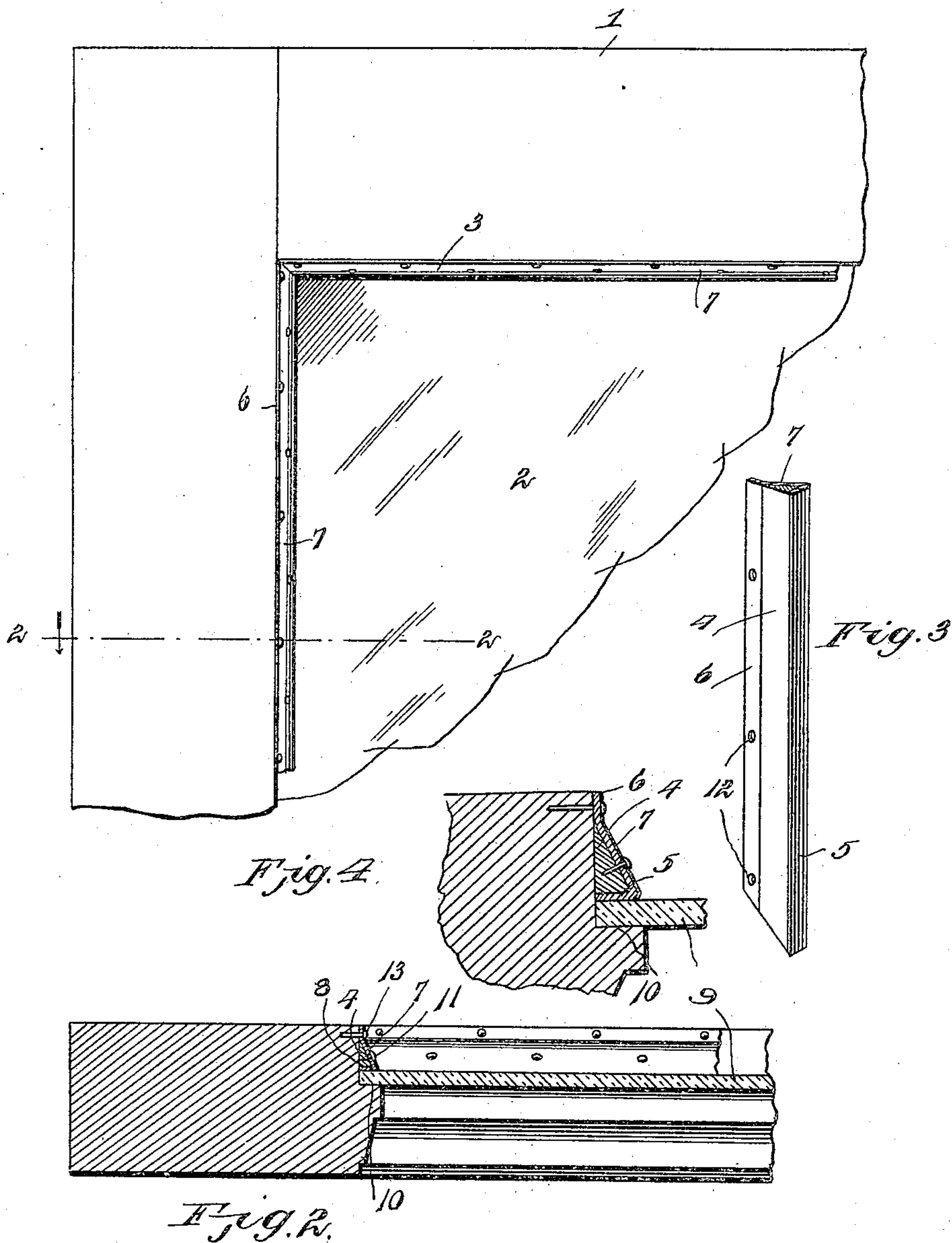


No. 838,965.

PATENTED DEC. 18, 1906.

J. A. DOUGLAS.  
WINDOW GLASS FASTENER.  
APPLICATION FILED MAR. 31, 1906.

*Fig. 1.*



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES A. DOUGLAS, OF YATES LANDING, ILLINOIS.

## WINDOW-GLASS FASTENER.

No. 838,965.

Specification of Letters Patent.

Patented Dec. 18, 1906.

Application filed March 31, 1906. Serial No. 309,164.

*To all whom it may concern:*

Be it known that I, JAMES A. DOUGLAS, a citizen of the United States, residing at Yates Landing, in the county of Pulaski and State of Illinois, have invented certain new and useful Improvements in Window-Glass Fasteners, of which the following is a specification.

This invention relates to window-glass fasteners, the object of the invention being to provide a simple, cheap, and reliable device to be used as a substitute for putty for the purpose of fastening a window glass or pane in a window-sash or door-frame and the like, whereby the operation of placing a glass or pane in position is greatly facilitated, and whereby, also, such glass may be removed without difficulty.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is an elevation of a frame, showing the improved fastening device for the glass or pane. Fig. 2 is an enlarged cross-section on the line 2 2 of Fig. 1. Fig. 3 is a detail perspective view of a portion of the fastening device. Fig. 4 is an enlarged detail cross-section taken on the same line as Fig. 2.

Referring to the drawings, 1 designates a frame, such as a window sash or door; 2, the glass or pane, and 3 the fastening device by which the glass or pane is secured to the frame.

The fastening device consists, essentially, of a metallic member and a cushion member, 4 designating the cushion member, which consists of a strip of wood having the shape of a right-angle triangle in cross-section, as clearly shown in the drawings, with the base or shorter side of the triangle disposed toward the glass or pane, the longer side at right angles thereto disposed toward the frame and the hypotenuse extending at an angle from the shorter base or abutment side of the strip toward the outer side of the frame.

The wooden cushion-strip is covered by a thin metallic sheathing which comprises an

abutment side or flange 5, an attaching flange or projecting lip 6, and a connecting body portion 7, which connects the flanges 5 and 6 and is formed integrally therewith. The two strips, or, in other words, the cushion 4 and the metallic sheathing, may be made of any suitable length and cut into sections of the proper length to fit within the frame containing the pane or glass, said frame being rabbeted, as shown at 8, to receive the pane or glass 9, the rabbet 8 forming a shoulder or seat 10, against which the pane or glass bears, as shown in Figs. 2 and 4.

The metal body or sheathing is secured to the wooden cushion 4 by means of small nails 11 or other suitable fasteners, and the attaching-flange 6 is provided at intervals with holes 12, adapted to receive nails or other suitable fasteners 13, by means of which the fastening-strip as a whole is secured within the rabbet of the frame, so as to cause the abutment-flange 5 to bear against the pane or glass 9.

While the abutment-flange 5 bears directly against the glass, the strip 4 backs up said abutment-flange and forms a cushion therefor which holds the abutment-flange solidly against the glass and overcomes any looseness or play of the glass or pane between the fastening device and the shoulder or seat of the frame against which the glass bears.

This obviates any danger of the glass becoming fractured by a sudden violent jar on the frame in which the pane or glass is mounted. The metal strip completely incloses and conceals the cushion 4 and excludes moisture therefrom, so as to preserve the cushion and prevent the same from rotting or decaying and losing its property as a cushion.

The fastening device presents a neat appearance, may be easily placed in position, and is easily removed when it is desired to remove the pane or glass or renew the same after breakage.

I claim—

The herein-described fastener for window-glass comprising a cushion-strip of triangular cross-section, and a metal sheathing-strip consisting of an angular body portion having an abutment-flange at one side of the cushion-strip and an attaching-flange extending

outward from said cushion-strip, said sheath-  
ing-strip being secured to the cushion-strip,  
and the outwardly-extending flange provided  
with holes to receive fasteners for securing  
5 the fastener to the frame of the window-sash  
at a distance from the window pane or glass,  
substantially as described.

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

JAMES A. DOUGLAS.

Witnesses:

PRESSTON BILLINGSLY,  
JOHN C. REED.