

No. 818,844

PATENTED APR. 24, 1906.

J. B. McKEOWN.

WINDOW SASH.

APPLICATION FILED AUG. 4, 1905.

Fig. 1.

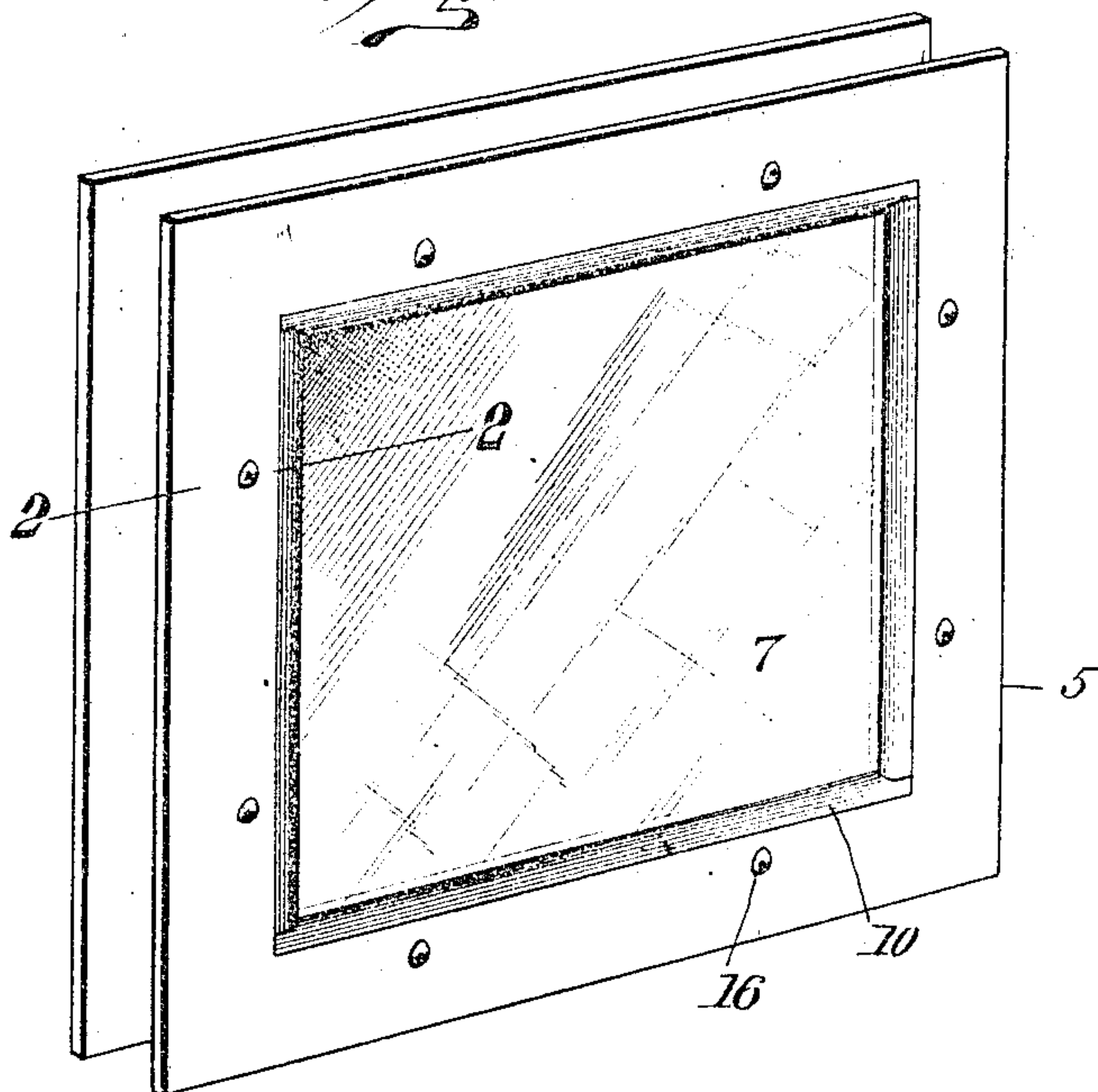


Fig. 2.

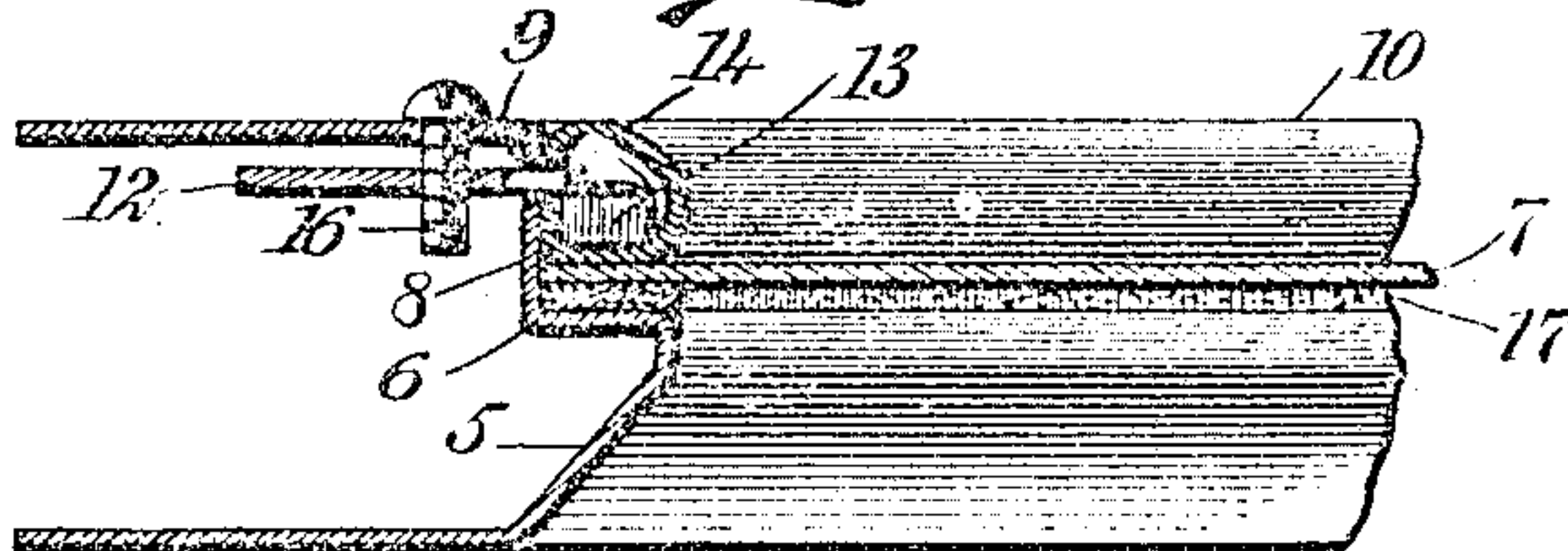


Fig. 3.

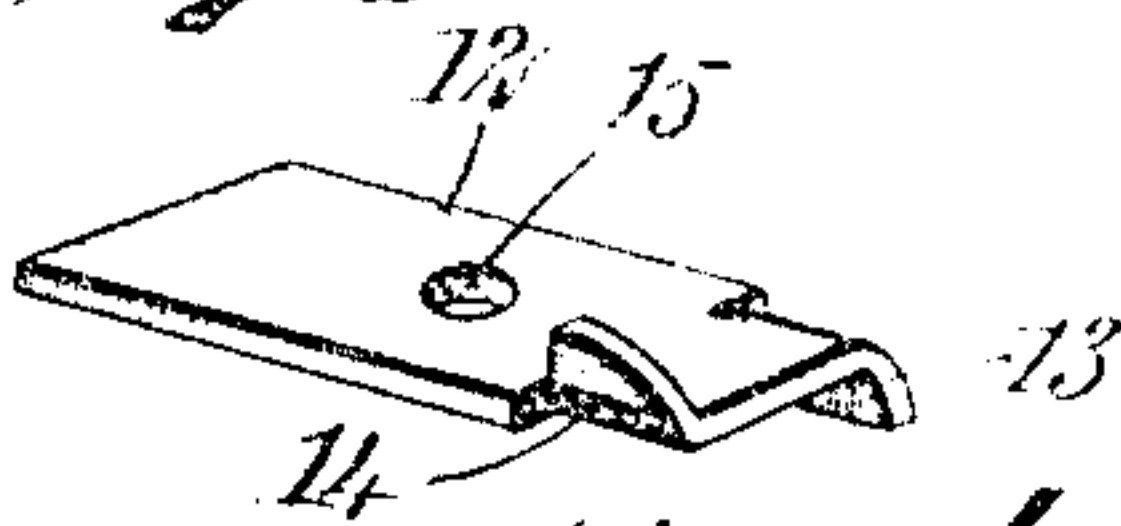


Fig. 4.



WITNESSES:

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WINDOW-SASH.

No. 818,844.

Specification of Letters Patent.

Patented April 24, 1906.

Application filed August 4, 1905. Serial No. 272,663.

To all whom it may concern:

Be it known that I, JOSEPH BARCLAY McKEOWN, a citizen of the United States, and a resident of Union Hill, in the county of Hudson and State of New Jersey, have invented a new and Improved Window-Sash, of which the following is a full, clear, and exact description.

This invention relates particularly to improvements in means for securing glass in fireproof window-sash, the object being to provide in lieu of putty a metallic securing strip or strips, the parts being so arranged that the strips may be pressed tightly against a glass of any thickness.

I will describe a window-sash embodying my invention, and then point out the novel features in the appended claims.

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

Figure 1 is a perspective view of a window-sash embodying my invention. Fig. 2 is a section on the line 2-2 of Fig. 1. Fig. 3 is a perspective view of a fastening-clip employed; and Fig. 4 is a perspective view of a portion of one of the securing-strips.

Referring to the drawings, 5 designates a metal sash having a seat 6 for the glass 7. Extended outward from the seat 6 are walls 8, provided at suitable intervals with slots 9. The securing-strips 10 are of tubular metal and at the side adapted to engage against the portion 8 of the sash. The strips are longitudinally slotted, as at 11. Extended through the slot are the fastening clips or plates 12, having head portions within the strips to prevent the withdrawal of said clips. As indicated in Fig. 3, the heads are formed by turning portions of the metal in opposite directions, as indicated at 13 and 14. It is to be understood, however, that I do not confine my invention to this particular manner of securing the clips. It will be further understood that while the slot 11 permits of the

adjustment of the clips along the strip this feature may be omitted and the clips be rigidly secured to the strip. The clips pass through the slots 9 and are provided with tapped perforations 15 for receiving adjusting-screws 16, which pass outward through the facing-plates of the sash. By means of the screws the clips may be manipulated to press the strips closely against the glass, and in this manipulation the walls of the slots with which the clips engage serve as fulcrums. Therefore a considerable leverage may be obtained. If necessary, putty or other sealing material 17 may be placed between the glass and the portions of the sash.

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

1. A metal sash having outwardly-extended portions provided with slots, glass-securing strips, clips extended from the strips through said slots, walls of said slots forming fulcrums for the clips and means for moving the clips to cause the strips to engage closely against the glass.

2. A metallic window-sash having outwardly-extended portions provided with slots, securing-strips for the glass, clips extended from the said strips through said slots, and screws engaging the said clips for adjusting the strips against the glass.

3. A metal sash having an outwardly-extended portion provided with slots, tubular glass-securing strips having longitudinal slots, clip-plates having head portions arranged in the strips, the said clip-plates being extended through the slots of the outwardly-extended portions, and adjusting-screws engaging with said clips.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH BARCLAY McKEOWN.

Witnesses:

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