No. 607,094. Patented July 12, 1898.

J. SULLIVAN.

GLAZIER'S METALLIC STRIP.

(Application filed May 13, 1896. Renewed Dec. 3, 1897.)

(No Model.)

FIG. 1.

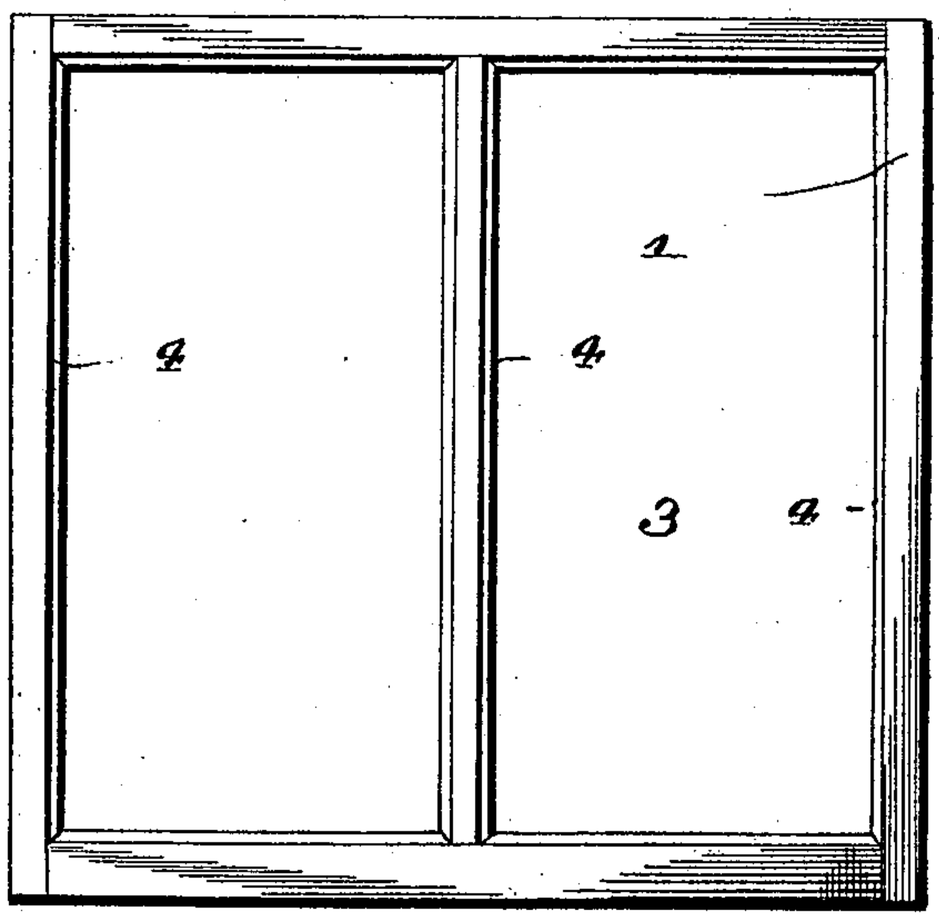


FIG. 2.

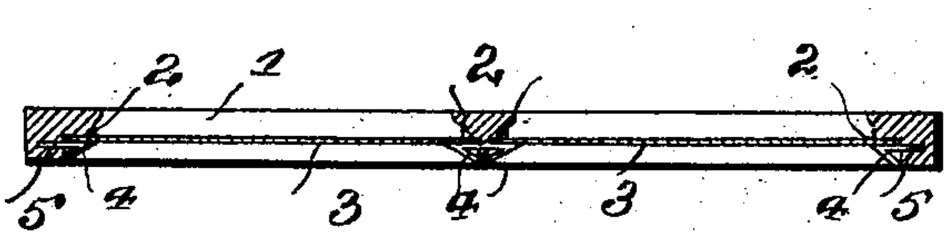
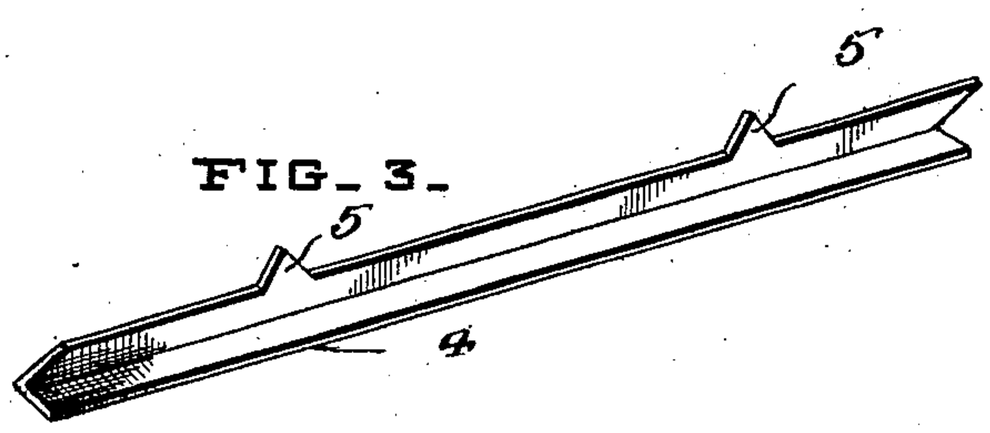


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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GLAZIER'S METALLIC STRIP.

SPECIFICATION forming part of Letters Patent No. 607,094, dated July 12, 1898.

Application filed May 13, 1896. Renewed December 3, 1897. Serial No. 660,693. (No model.)

To all whom it may concern:

Be it known that I, JEROME SULLIVAN, a citizen of the United States, residing at New Kensington, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Glaziers' Metallic Strips; 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 my invention is to provide an improved means for attaching panes of glass in a window-sash, whereby said panes are securely held in place without the use of putty, are readily inserted and removed, and all rattling of the parts is prevented.

The invention consists of a thin metallic strip folded on a medial longitudinal line to comprise two leaves or side portions, one of which is provided along its edge with projecting barbs located at intervals between the extremities of the strip, the said barbs being adapted to be driven into the edges of the sash adjacent to the outer surface of the pane.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 represents a front elevation of a window-sash, showing the application of my invention. Fig. 2 is a cross-section through one edge of the sash with the pane in place. Fig. 3 is a detail perspective view of one of the securing-strips.

Like reference-numerals indicate like parts in the different views.

The sash 1 is recessed along its inner edge, as shown at 2, and within the recess fits the pane of glass 3. Bearing against the outer surface of the glass 3 are metallic strips 4 4, each of which is folded on a medial longitudinal line forming two leaves or side portions, one of which is provided along its edge with projecting barbs 5 5, located at intervals between the extremities of the strip. The barbs 5 5 are adapted to be driven into the inner edges of the sash 1 at points adjacent to the outer surface of the panes 3 for securing the latter in place.

As thus constructed, it will be seen that I am able to quickly and securely fasten a pane of glass in the sash without the use of putty and that by reason of the spring-pressure exerted by the metallic strips 4 all rattling of the pane against the sash is avoided.

I am aware that it is not new to employ fastening devices for panes of glass which are composed of strips of metal V-shaped in cross-section, which are held in place by supplemental securing means; but I am not claiming such construction broadly. In the device to which I have reference one of the leaves of the strip is wider than the other and is intended to fit within grooves formed in the edge of the sash itself. The objection to this construction is that it is necessary to form the grooves in the sash during the course of manufacture of the latter and the location thereof must be determined prior to the insertion of the panes of glass therein. As the thickness of the panes varies it may be that said grooves will be located at too short or too great distance from the outer surface of the pane, thereby either preventing the application of the securing-strip or locating it at such a distance from the outer edge of the pane that rattling of the pane is permitted. The device employed by me is adapted to be used upon any window-sash with any thickness of glass, the barbs 5 5 being capable of insertion into the edge of the sash at any point.

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

In a device for securing panes of glass in sashes, a thin metallic strip folded on a medial longitudinal line to comprise two leaves or side portions one of which is provided along its edge with projecting barbs located at intervals between the extremities of the strip, substantially as described.

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

JEROME SULLIVAN.

Witnesses:

JOHN MASTERS,

J. C. SKILLEN.