E. T. WILKINSON.

FASTENER FOR WINDOW PANES.

APPLICATION FILED SEPT. 23, 1911.

1,171,762. Patented Feb. 15, 1916.

FIG. I.

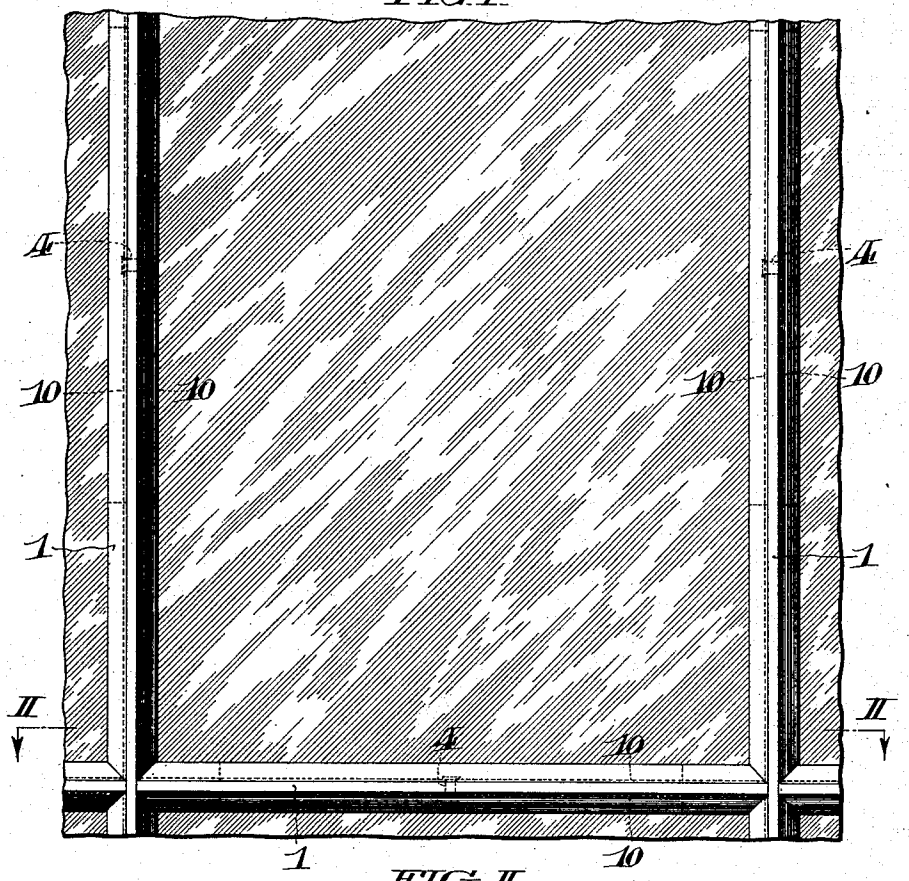


FIG. II.

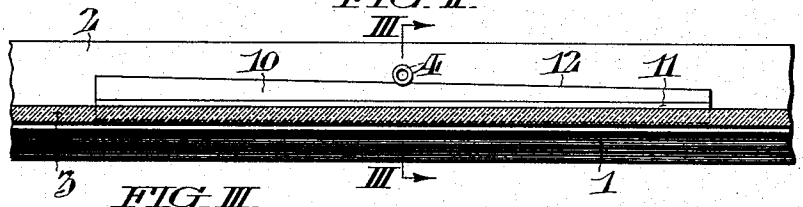


FIG. III.

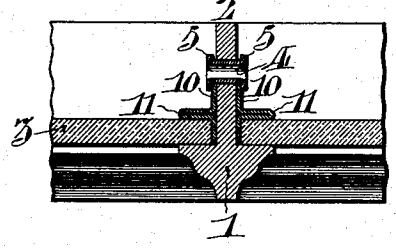
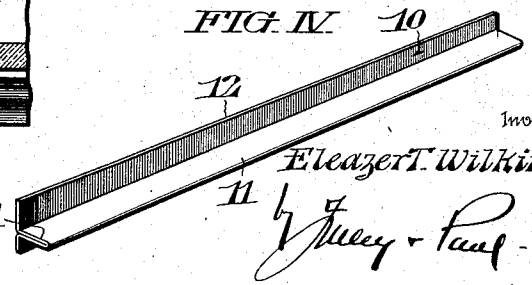


FIG. IV.



Witnesses
John C. Bergner
James E. Bell

Inventor
Eleazer T. Wilkinson,
by Miller & Paul.
Attorneys.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ELEAZAR T. WILKINSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO DAVID LUPTON'S SONS COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

FASTENER FOR WINDOW-PANES.

1,171,762. Specification of Letters Patent. **Patented Feb. 15, 1916.**

Application filed September 23, 1911. Serial No. 650,865.

To all whom it may concern:

Be it known that I, ELEAZAR T. WILKINSON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Fasteners for Window-Panes, whereof the following is a specification, reference being had to the accompanying drawings.

The invention relates to a device for fastening a pane within a window sash without the use of putty or cement.

It is simple and readily applied, and further permits of the ready removal and replacement of the pane when desired.

It consists of a strip of metal with a projecting ledge and also with an inclined edge for wedging it against a projection set in the sash bar as hereinafter described.

In the accompanying drawings, I have illustrated a convenient embodiment of my invention, wherein—

Figure I, is a plan view of a portion of a window sash having the panes secured according to my invention. Fig. II, is a sectional view of the same on a larger scale, taken on the line II, II of Fig. I. Fig. III, is a cross section along the line III, III, of Fig. II. Fig. IV, is a perspective view of the fastener.

In the drawings the sash bars are shown of a usual form, comprising a head 1, and a tongue 2. The panes 3, are inserted in place so as to lie against the flat surfaces of the head. A bolt or pin 4, is passed through and secured within the tongue of the sash bar. This pin may preferably be tubular in form, with its edges upset to prevent its withdrawal from the aperture in the tongue which receives it. The upset edges of the pin form flanges 5, 5, are are so spaced as to leave room for the insertion of a thin piece of metal between the flange and the tongue of the sash bar, in which the pin is inserted.

The fastener proper is made of a piece of sheet metal in the form of a strip 10, with a ledge formed by a central fold 11. The strip 10, is provided with a gently sloping edge 12.

After the pane is in place, one of the fasteners is inserted, so that the lower edge of the strip lies between the edge of the pane and the tongue of the sash bar, the fold 11, of the fastener lying flat against the surface of the pane and forming the pane-holding element. By reason of the sloping edge 12, the strip 10, is narrower at one end than the other, and at the narrow end is capable of being inserted beneath the flange of the pin 4. It may then be either slid or driven along the surface of the tongue until the inclined edge of the fastener causes it to become firmly wedged between the glass and the pin.

The pins 4, are preferably attached to the sash bars at the time of their manufacture, and are inserted wherever it is desired that the pane shall be secured by a fastener.

In place of the pin 4, any construction of the tongue of the sash bar may be substituted by which a projecting ledge is afforded to act as a resistance point to the wedging action of the fastener. Thus a part of the tongue of the sash bar may be swaged out for this purpose.

Having thus described my invention, I claim:

1. A fastening device for a window pane, comprising a sash bar having a projecting resistance point, and a metal strip having a portion thereof extending between the window pane and the tongue of the sash bar, said metal strip having a projecting ledge forming a pane holding element, said strip having its upper edge inclined, whereby it may after insertion between the window pane and the tongue of the sash bar be slid lengthwise underneath the resistance point and wedged beneath the same with the pane beneath its pane holding element.

2. A fastening device for a window pane comprising a sash bar having a pin with a flanged head attached to the tongue thereof, and a metal strip with a projecting ledge forming a pane-holding element, said strip having an inclined edge whereby it may after insertion between the pane and tongue of the sash bar be wedged beneath the flanged head of the pin, with the pane beneath its pane-holding element.

In testimony whereof, I have hereunto signed my name at Philadelphia, Pennsylvania, this twentieth day of September, 1911.

ELEAZAR T. WILKINSON.

Witnesses:

JAMES H. BELL,

E. L. FULLERTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."