

A. PACKSCHER.
IRON FRAME FOR WINDOWS.
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1,040,746.

Patented Oct. 8, 1912.

Fig. 1.

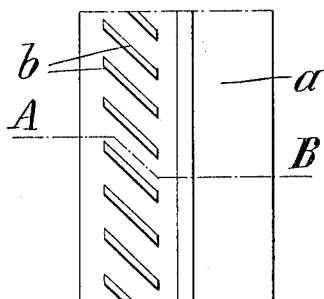


Fig. 3.

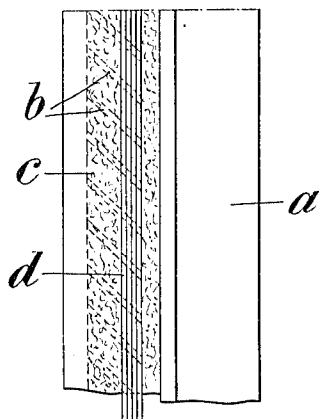
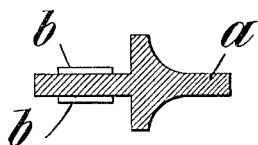


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ARTHUR PACKSCHER, OF BERLIN, GERMANY.

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1,040,746.

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To all whom it may concern:

Be it known that I, ARTHUR PACKSCHER, a subject of the German Emperor, and resident of Berlin, Germany, have invented certain new and useful Improvements in Iron Frames for Windows, of which the following is a specification.

Window frames made of iron instead of wood are provided with glass panes in the same manner as the wooden ones, by applying putty. Whether said windows are made of wood or of iron, they ought to be made in such a manner that the putty is able to stick to the window material, thus providing a fastening means for the pane. Especially in wrought iron window frames which have been freshly provided with panes very serious drawbacks occur, consisting in that the fresh putty does not adhere very well to the iron surfaces, even when they are previously coated, and has a tendency to get loose, which tendency is still increased by the weight of the putty and its easily flowing nature.

The object of the present invention is to overcome said drawbacks in any kind of windows.

The invention is shown in the accompanying drawing in which:

Figure 1 is a partial lateral view of the window-frame iron not provided with its pane. Fig. 2 is a sectional view according to A—B (Fig. 1). Fig. 3 shows the iron provided with a pane and with putty.

A window frame *a*, has both sides of its web provided with parallel projecting ribs (or grooves or the like) *b* milled together or cut integral with the iron or pressed in the same or applied by any known process. Said ribs *b* (or the like) are inclined or diagonally directed with respect to the post so as to provide sustaining means for the fresh and consequently fluent putty *c* which becomes divided into a plurality of cells and has no more tendency for vertically flowing downward, while, thanks to the inclined direction of said ribs *b* toward the pane, they give the fresh putty a tendency of flowing toward the pane *d* to which it is stuck. The above mentioned drawbacks are thus overcome.

Of course the present invention is not limited to windows as shown in the draw-

ings. Every device in which putty or any like fastening means are to be applied, may be provided with such ribs or grooves or the like, in order to increase the fastening strength and to prevent the putty or the like from flowing downward. For instance metallic or wooden surfaces may be fastened together by providing such projections, which prevent the sliding of said surfaces with respect to each other. The invention may likewise be applied for fastening felt-strips which are used as intermediate layers in the construction of glass roofs, the use of said ribbed projections, or the like preventing the displacing of said strips with respect to each other.

Having now fully described my said invention, what I claim and desire to secure by Letters Patent, is:

1. In combination, a panel, a frame provided with inclined seats to receive putty, the panel being supported in the frame adjacent the inclined seats, the inclination of the latter tending to cause the putty to settle toward the panel.

2. In combination, a sash frame provided with a plurality of inclined ribs to form putty seats and a glass panel supported in the sash frame adjacent the inclined ribs, the inclination of the ribs tending to cause the putty to settle toward the glass panel.

3. In combination, a sash frame provided with an inwardly projecting flange, a plurality of ribs which incline downwardly toward the inwardly projecting flange to form putty seats, and a panel supported in the sash frame adjacent the ribs, the inclination of the ribs causing the putty to settle toward the panel.

4. In combination, a sash provided with an inwardly projecting flange, a plurality of ribs inclining toward the flange and spaced therefrom to provide putty seats, and a glass panel supported in the sash frame adjacent the ribs, the inclination of the ribs causing the putty to settle toward the panel.

In testimony whereof I have hereunto set my hand in presence of two witnesses.

ARTHUR PACKSCHER.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.