Dec. 4, 1934. J. SAKOWSKI 1,983,246

PUTTY GUARD AND WINDOW PANE HOLDER

Filed April 4, 1934

FIG. 1.

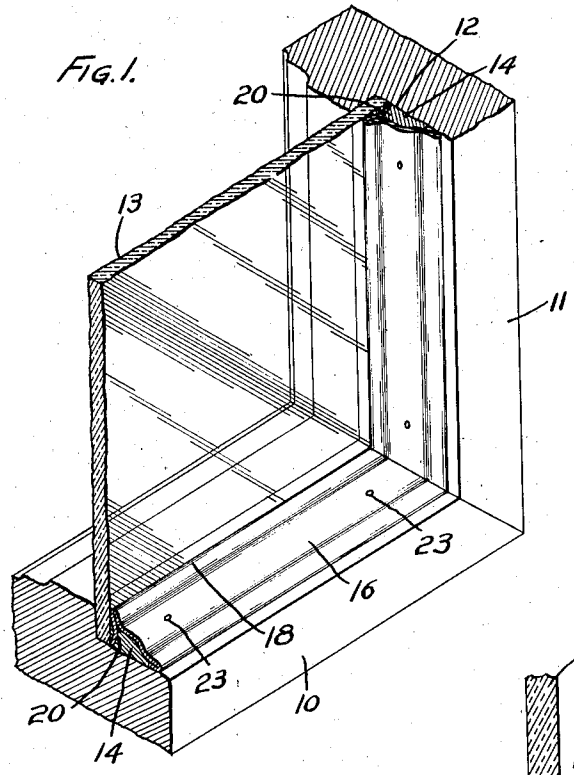
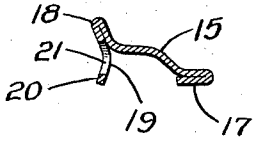


FIG. 3.



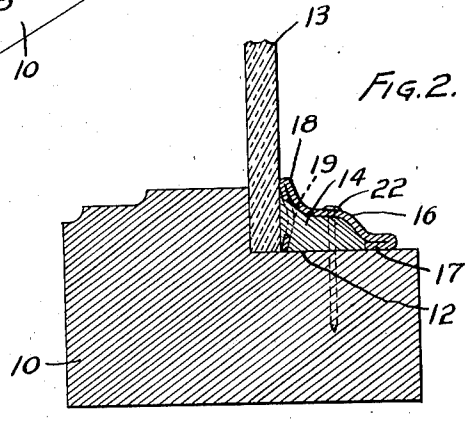


FIG. 2.

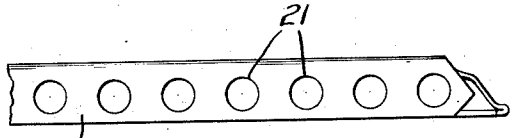


FIG. 4.

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PUTTY GUARD AND WINDOW PANE HOLDER

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4 Claims. (Cl. 20—56.4)

The present invention relates to guards and window pane holders and has for its main object the provision of a metallic strip suitably formed which would overlie the usual cement or putty employed for holding window panes in position within window frames.

A further object of the present invention is the provision of a strip of the character indicated which would form a protective guard for the putty for preserving the same and guarding it from atmospheric action and consequent deterioration.

A still further object of the present invention is the provision of a window pane holder and putty guard of the character indicated which by one of its edges would contact with the window frame and by the other edge with the window pane, whereby a rigid binding may be had between the pane and the frame.

A still further object of the present invention is the provision of a strip for guarding the cement or putty usually employed with window panes, which could be easily formed out of a single sheet of metal.

With the above general objects in view and others that will appear as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawing and pointed out in the appended claims.

In the drawing forming a part of this application, and in which like designating characters refer to corresponding parts throughout the several views,

Fig. 1 is a perspective fragmentary view of a window including the frame and pane held in position by the cement or putty with the present invention in operative position over the putty;

Fig. 2 is a transverse cross-sectional view through the window;

Fig. 3 is a transverse cross-sectional view through the guard or strip constituting the present invention; and

Fig. 4 is an elevational view of the strip showing one side thereof.

Referring in detail to the present drawing there is shown therein window or sash frame including horizontal bar 10 and vertical bar 11. The frame is suitably molded or notched as at 12 to provide a seat for window pane 13 when the same is mounted in its place within the frame.

When the window pane is in its position within the frame usual cement or putty 14 is applied upon the frame and adjacent the edge of pane 13, and thereupon strip, generally indicated by 15, is applied as will be hereinafter described.

Said strip 15, which is substantially of a triangular formation on cross-section, includes face wall 16, one edge of which is downwardly doubled upon itself to provide a lip 17, which, in the operative position of the strip upon the frame would contact with the frame as clearly seen on Fig. 2.

The opposite edge of face wall 16 is slightly raised and thereupon bent upon itself to affect lug 18 and extended downwardly and slightly concaved as at 19 to affect side wall 20, by virtue of which construction, in the operative position of the strip upon the window, the concaved body portion of said side wall 20 would be spaced from the window pane, while lug 18 and the lower edge of said wall 20, being upon the same plane, would contact with the pane, as clearly seen on Figs. 1 and 2. Said side wall 20 of the strip is provided throughout its length with a plurality of uniformly spaced openings 21.

When putty 14 is in position, thereupon strip 15 is placed upon it from above or from the direction parallel to the window pane, manually pressing the window strip against the putty until lip 17 will be brought in contact with frame 10 or 11 taking care that simultaneously lug 18 should contact with the window pane, at the same time applying manual pressure at said strip 15, and preferably at its lower edge and at lug 18. This action will bring the lowermost edge of wall 20 substantially at the corner resulting from the window pane and the frame, as seen on Fig. 2. Under the pressure of said strip 15 as the same is applied to its proper position, putty 14 is compressed and is forced to pass through openings 21 in wall 20 and bear against the window pane filling all possible crevices that may remain between the latter and wall 20 as well as all possible crevices between the edge of window pane 13 and the frame of the window. When said strip 15 remains in position thereupon nails 22 are passed through suitably spaced apertures 23 made in said strip 15, and driven into the frame as seen on Fig. 2.

Of course any excess putty under strip 15 while pressure is applied thereto, will pass under lip 17 as well as between the pane and lug 18. It should also be noted that while said strip 15 is applied to the putty under pressure, the putty will likewise tend to evenly distribute itself longitudinally of the strip, thus providing a substantial and uniform binding between the window pane and window frame.

It is further observed that when putty 14 should thoroughly dry it will become interlocked with strip 15 through the medium of openings 21, and strip 15 will form a protective shell for said putty for guarding the same against deterioration.

While there is described herein a preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein, without departing from the spirit and scope of the invention as claimed.

What I claim as new is:

1. A putty guard and pane holder for use in connection with a window wherein a pane is sealed in a frame by a strip of putty, comprising a metallic strip adapted to overlie the strip of putty and to be secured to the frame, said metallic strip having a doubled inner longitudinal edge portion which extends inwardly to form a transversely concaved flange adapted to be embedded in the strip of putty, said flange being arranged to engage the frame at the adjacent edge of the pane, the doubled portion of the strip being adapted to engage the pane at its fold in spaced relation to the frame, whereby the putty will be pressed between such points of engagement by said concaved flange against the pane.

2. A putty guard and window pane holder comprising a strip of putty engaging the window frame at one side and the window pane at another side to seal the pane in the frame, and a metallic strip having a body portion overlying said strip of putty and secured to the frame, the body portion of said metallic strip having a transversely concaved perforated flange extending inwardly from its inner longitudinal edge and pressed into said strip of putty, said flange having its free longitudinal edge in engagement with the frame at the adjacent edge of the pane and being engaged with the pane at the juncture of said flange with said body portion, the putty being pressed against the pane by said flange between the points of engagement of said flange with the frame and the pane.

3. A putty guard and window pane holder comprising a strip of putty engaging the window frame at one side and the window pane at another side to seal the pane in the frame, and a metallic strip having a body portion overlying said strip of putty and secured to the frame, the body portion of said metallic strip having a transversely concaved perforated flange extending inwardly from its inner longitudinal edge and pressed into said strip of putty, said flange having its free longitudinal edge in engagement with the frame at the adjacent edge of the pane and being engaged with the pane at the juncture of said flange with said body portion, the putty being pressed against the pane by said flange between the points of engagement of said flange with the frame and the pane, the outer longitudinal edge of said body portion being folded inwardly upon itself and flatly engaged with the frame.

4. A putty guard and pane holder for use in connection with a window wherein a pane is sealed in a frame by a strip of putty, comprising a metallic strip having a body portion adapted to overlie the strip of putty and to be secured to the frame, the body portion of said metallic strip having a transversely concaved perforated flange extending inwardly from its inner edge adapted to be embedded in the strip of putty, the free longitudinal edge of said flange and the portion of the metallic strip at the juncture of said flange with said body portion being arranged to engage the pane at spaced points, whereby said flange will press the putty against the pane between said spaced points.

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