Sept. 18, 1945. R. MARTINES 2,385,149

PUTTY APPLICATOR

Filed Aug. 1, 1944

Fig. 1.

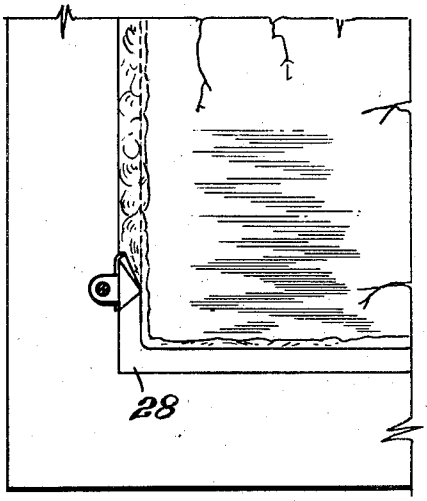


Fig. 2.

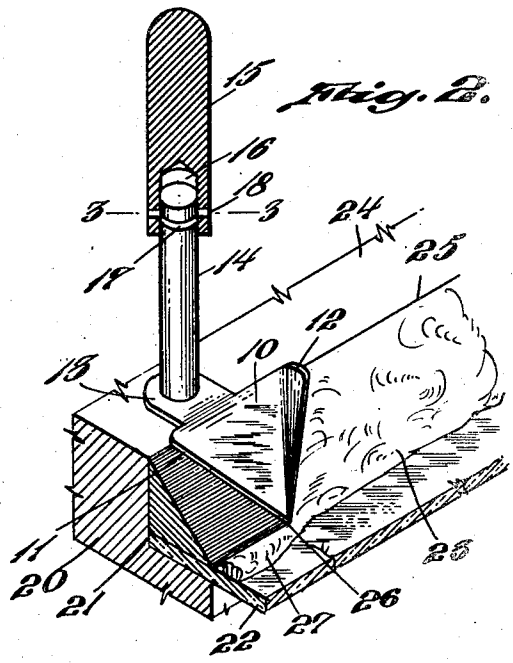


Fig. 3.

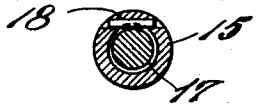


Fig. 4.

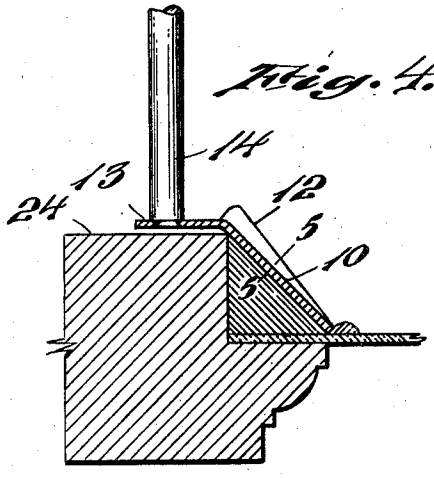


Fig. 5.



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PUTTY APPLICATOR

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3 Claims. (Cl. 18—3.5)

This invention relates to a tool more particularly designed for the application of putty in the setting of window glass.

In setting a pane of glass in a window frame, putty is applied to seal the edge of the glass with the frame and then in order that a smooth and neat appearance may be provided the putty knife is drawn along the putty so as to provide a surface approximately 45° to the surface of the glass. Considerable skill is required in the handling of a putty knife and especially is skill required for the formation of the corners of the putty at the corners of the glass.

One of the objects of this invention is to provide a tool which may be used instead of a putty knife and which will be more simple than heretofore to operate in the smoothing of putty on a window frame.

Another object of this invention is to provide a putty applicator by which the putty will be squeezed out or cut through so that its removal may be simple and easy as the tool is drawn along the putty.

An object of this invention is to provide a tool by which the corners of the putty in the glass may be made with one continuous stroke of the tool without stopping or giving different attention to corners.

Another object of this invention is to accomplish the above result in a very simple and inexpensive instrument.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawing:

Fig. 1 is a top plan view of a fragmental portion of a window showing my tool with the handle portion in section in its relation to the window frame and glass;

Fig. 2 is a sectional view of the window frame, glass and putty and also showing the handle portion of my tool in section;

Fig. 3 is a section on line 3—3 of Fig. 2;

Fig. 4 is a sectional view through the tool and window frame;

Fig. 5 is a section on substantially line 5—5 of Fig. 4, illustrating the curvature of the leading edge of the blade.

In carrying forward this invention I provide a straight edge comparable to the edge of a putty knife and provide a rounded outwardly extending lip for the leading portion of this blade. In order that the blade may be simply held, I provide a handle which will cause the blade to extend at the desired angle to the work on which it operates.

With reference to the drawing 10 designates a flat sheet of stock having a straight edge 11 which represents the trailing edge of the tool and which governs the surface formation of the putty which is operated upon. The leading edge of the blade 10 is curved outwardly as at 12 so as to provide a rounded lip or nose which may engage any high spots of the putty in the rough positioning of the putty along the window frame.

An arm 13 extends at substantially 45° to the blade 10 and has mounted thereon a post 14 upon which a handle 15 is swivelly mounted by reason of the socket 16 receiving the post 14 and being revolvably held in position by groove 17 and pin 18 extending through the handle portion, see Fig. 3.

The window frame 20 is provided with a recess 21 for the reception of a pane of glass 22. Putty 23 extends from the glass to the surface 24 of the frame and in order to smooth the putty the applicator is positioned as shown in Fig. 2 or 4 so that the trailing edge will be guided along the edge 25 of the recess. Arms 13 will extend parallel to the surface 24 (see Fig. 4) and the handle will be perpendicular to this surface. This will bring the angle of the blade at the correct 45° angle to the glass which is parallel to the surface 24. As the tool is drawn along with its edge guided on the edge 25 it will push excess putty ahead of it and the point 26 of the tool will cut through the putty leaving such excess as at 27 on the glass. The rounded edge will tend to lift and force the trailing edge down tightly against the glass and the edge 25. By maintaining the handle at right angles to the pane of glass and with some pressure thereon, the edge 25 of the tool may be moved rectilinearly along the glass and then around the corner as at 28 (see Fig. 1), all in one continuous motion until the tool has made the complete circuit of the edge portion of the glass. The handle will swivel in this movement through 360°. The tool will follow the guiding edge 25 in any of its irregularities making an even surface of putty about the frame.

I claim:

1. A putty applicator comprising a V-shape blade having adjacent edges forming an acute angle with the apex of said angle designed to engage the glass of a window frame, one of said edges being straight from said apex and adapted to engage the putty to be applied, the other of said edges being curved outwardly from the plane

of the blade to guide the putty applied beneath said blade and a handle attached to said blade and positioned at an obtuse angle to the plane of the blade adapting the same to be held substantially vertical to the glass of the window frame while the putty is being applied thereto.

2. A putty applicator as set forth in claim 1 wherein the gripping portion of the handle is rotatable with reference to the blade.

3. A putty applicator as set forth in claim 1 wherein said handle is attached by means of an arm extending at 45° to the plane of the blade and the handle is perpendicular to said arm.

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