Sept. 20, 1932. P. J. FEYKERT 1,877,835

SHEET GLASS MOUNTING

Filed July 2, 1930

FIG. 1

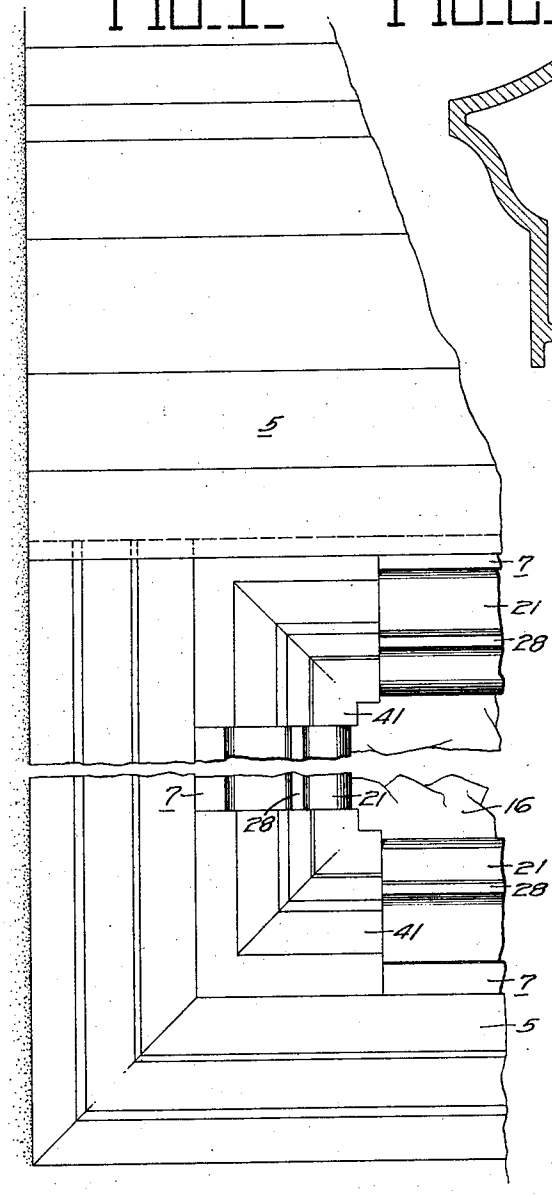
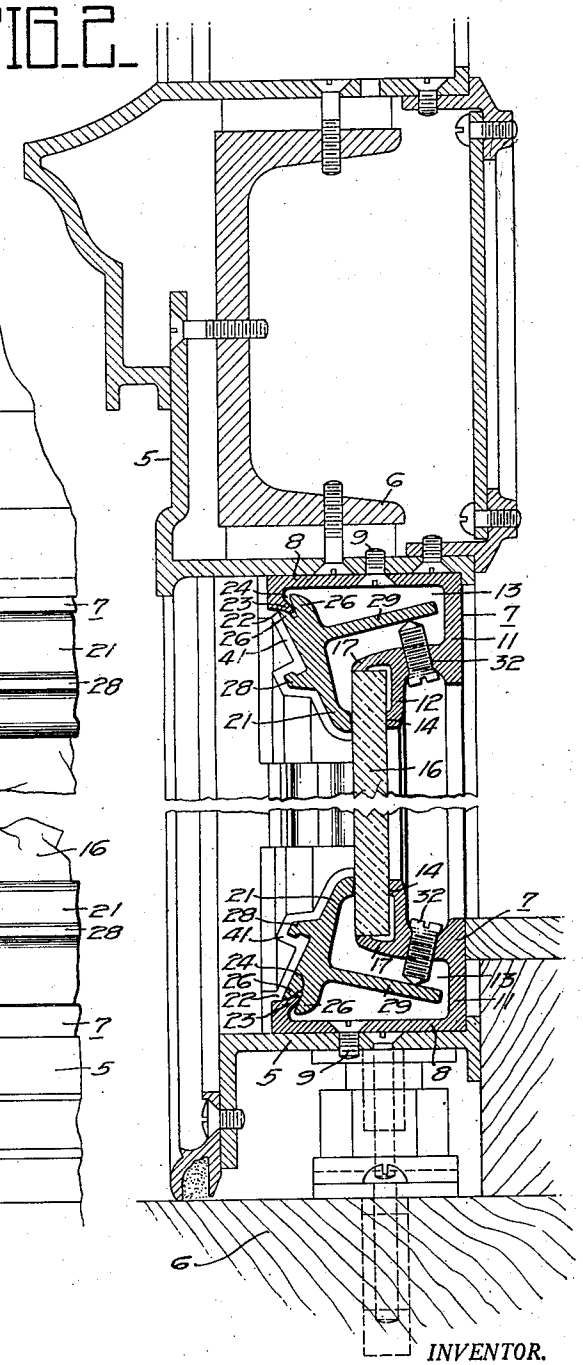


FIG. 2



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UNITED STATES PATENT OFFICE

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SHEET GLASS MOUNTING

Application filed July 2, 1930. Serial No. 465,336.

This invention relates to a device for mounting sheet glass in position to provide a window as in store fronts.

It is the broad object of the invention to devise a mounting for a material as sheet glass of a simple construction and in which various thicknesses of sheets may be positioned and secured.

The invention possesses other advantageous features and objects, some of which with the foregoing will be set forth at length in the following description where I shall outline in full that form of the sheet glass mounting of my invention, which I have selected for illustration in the drawing accompanying and forming part of the present specification. In said drawing I have shown one form of sheet glass mounting embodying my invention, but it is to be understood that I do not limit myself to such form since the invention, as set forth in the claim, may be embodied in a plurality of forms.

In the drawing, Figure 1 is an elevation of a window construction in which the mounting of my invention is employed.

Figure 2 is a cross section through the construction illustrated in Figure 1.

In the drawing I have illustrated my invention as employed with a conventional window construction in which support members 5 are carried upon supporting surfaces 6 such as are ordinarily available in the construction of the building where the window is to be provided. The support members 5 may comprise whatever form is desired; the only criterion to be observed is that supporting surfaces be provided which are strong and rigid enough adequately to support the sheet of glass.

The mounting means or holder 7 shown in the drawing comprises a member 8 usually secured stationarily to the support members 5 by screws 9, and a movable member 21. The member 8 is conveniently cast in strip form of a suitable material as bronze to have an arm 11 extending from it at an angle and forming an extension 12, spaced from the member 8 for some little distance to provide a space 13. The extension 12 is adapted to provide suitable means for defining the position of the sheet. Thus, as is shown in Figure 2, the extension 12 has a portion 14 which normally abuts one side of the adjacent edge portion of glass sheet 16 to define its relative position when it is in place.

I have found that the installation of the sheet glass is materially facilitated by providing supporting means in addition to the positioning means so that the sheet of glass may be supported before it is secured in position. This supporting means is conveniently formed by providing a shelf 17 upon the extension 12 cooperatively with respect to the portion 14 so that the weight of the sheet of glass, when positioned, is carried by the support member 5.

The movable member 21 is used for securing the sheet of glass in position. This means is preferably of a relative simple nature and is particularly adapted to facilitate the installation of the sheet. In the form illustrated in the drawing, the movable member 21 is adapted to be mounted with respect to the member 8, preferably pivotally as at 22. The mounting, in this instance, comprises a raised lip 23 formed upon the member 8 and adapted to be received by an aperture 24 formed by end portions 26 upon the movable member 21. It is to be noted that the end portions 26 are so arranged with respect to the raised lip 23 that the lip and the end portions are in good contact so that the entrance of moisture through the joint is substantially prevented. The movable member 21 also has formed upon it a hooked lip 28 which extends longitudinally of the member and is adapted to furnish convenient means for engaging the member and handling it so that it may be readily positioned.

To secure the movable member 21 in sheet retaining position an arm 29 is provided. The arm is preferably rigidly secured to the member and extends throughout its length. This is usually accomplished by casting the member 21 of a suitable material as bronze with both the arm 29 and the hooked lip 28 upon it. The arm 29, when the movable member 21 is in position, extends into the space 13 between the member 8 and the extension 12 so that it may be engaged at a

plurality of points by screws 32 which extend through extension 12 into space 13. Engagement with the screws urges the movable member pivotally about the lip 23 so that it retains the glass in position upon the retaining and supporting means. The freedom available due to the pivotal mounting of the retaining member relative to the base enables a variety of thicknesses to be accommodated.

In store construction the sheet retaining structure is generally covered over by a sheathing indicated at 41 so that the details of construction are not observable from the exterior. In this connection, retention of the sheathing is facilitated through the interlock provided by the engagement of the sheathing with the hooked lip 28 which is conveniently formed for this purpose. The holder is provided usually upon the several sides of the glass sheet, as is shown in Figure 1, wherein a portion of the sheathing has been cut away to illustrate the inner construction, the holder being provided in strip form to extend usually throughout the length and width of the window.

I claim:

A holder for engaging a sheet of glass on opposite sides to position the same in a window, said holder comprising a frame having a base member, a shelf spaced from said base member for supporting the sheet along its edge, and an upstanding wall extending from said shelf and adapted to engage one side of the sheet of glass, an elongated rockable member having a transverse cross section corresponding generally to the outline of a bell crank lever, a raised lip extending obliquely from one of the longitudinal edges of said base member, a groove in said rockable member cooperating with said lip to provide a fulcrum for the same, and a screw having threaded engagement with said frame adapted to abut against the surface of one arm of the bell crank lever formed by said rockable member to rock the other arm thereof about said fulcrum to engage the opposite side of the sheet of glass, said rockable member being held firmly in place against the sheet of glass upon tightening of said screw by virtue of the force exerted by the screw against the arm of the member.

In testimony whereof, I have hereunto set my hand.

PETER J. FEYKERT.