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J. PETZ.

SUPPORT FOR GLAZING.

APPLICATION FILED OCT. 31, 1904.

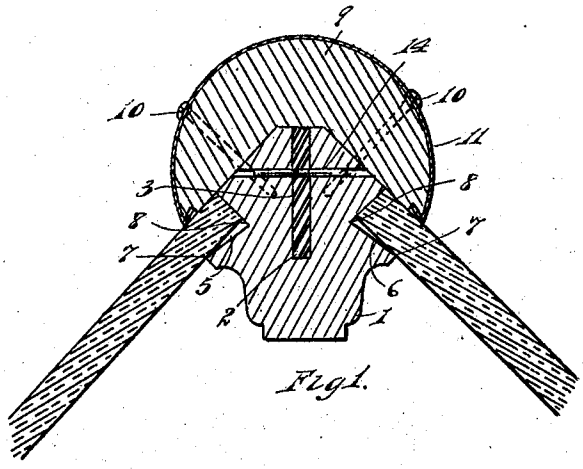


Fig. 1.

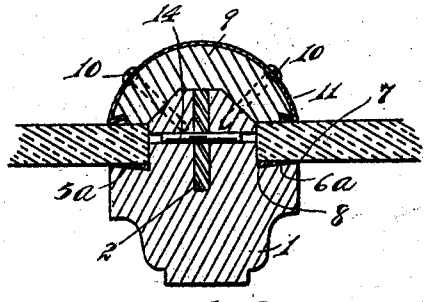


Fig. 2.

WITNESSES

T. G. Massey

C. J. Jennings

INVENTOR

John Petz

By Parker & Burton Attorneys.

UNITED STATES PATENT OFFICE.

JOHN PETZ, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF TO HERBERT MALOTT, OF DETROIT, MICHIGAN.

SUPPORT FOR GLAZING.

No. 805,993. Specification of Letters Patent. Patented Nov. 28, 1905.

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To all whom it may concern:

Be it known that I, JOHN PETZ, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Supports for Glazing; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to sash-bars or store-front sash, and has for its object an improved post or mullion adapted to secure the edges of glass in position and to present a light and graceful appearance.

In the drawings, Figure 1 shows the invention applied to a corner-post. Fig. 2 shows it used where the glass is arranged in the same plane.

In Fig. 1 the sheets of glass contiguous to the posts are at right angles to each other. In Fig. 2 the sheets of glass contiguous to the post are in the same plane.

1 indicates a post, preferably of wood, in which on the outside or front of the post is a groove running lengthwise the post, and in the groove is sunk the web 2 of an iron bar. In the wood 1 are cut two grooves 5 and 6, or, as shown in Fig. 2, 5^a and 6^a. These grooves are cut at the proper angle with reference to the position the glass is to take and are either at angles of forty-five degrees to the face 3 of the bar, as shown in Fig. 1, or with one face at an angle of ninety degrees thereto, as shown in Fig. 2, or at any intermediate angle that may be desired. That face of the groove against which the plane of the glass seats is cut to bear against the glass along a line that is back from the edge of the glass and is cut to provide a clearance between the glass and the face of the groove between the points 7 and 8. The wood of the post extends beyond the glass. The iron bar is secured against escape from the groove in which it is embedded by pins 14.

In the form shown in Fig. 1 the surfaces of the wood are in a plane substantially a continuation of the plane of the outer surface of the glass, and in the form shown in Fig. 2 the surfaces of the wood post extend forward from the plane of the glass, and the glass is secured in place by engaging a grooved finishing-rail 9 over the wooden part of the post with the edges of the grooved finishing-rail extending over the edges of the glass. The finishing-rail is then secured to the post by screws 10 or in any other way.

Preferably the finishing-rail is covered with a covering of sheet metal 11, the edges of which are crimped over the edges of the rail 9 and extend slightly toward the groove of the finishing-rail.

In the finished structure nothing is apparent on the outside of the window except the metal covering of the finishing-rail and the screw-heads of the few screws that are needed, and the glass is held in place without putty or cement and without the need of any filler or cushioning material between itself and the wooden part of the post, which itself forms a sufficient cushion, although, if desired, a seat of putty may be used.

What I claim is—

In a sash-bar, the combination of a wooden post having converging sides, a flat iron bar inserted therein from a point adjacent to the intersection of the planes of the surfaces of said sides and in a plane making substantially equal angles with said planes, said post being provided with grooves upon its sides for receiving the edges of the glass, a securing-rail grooved to fit against said converging surfaces and adapted to cover the exposed portion of said bar and fit against the glass in said grooves, and securing means extending through said rail and through said converging surfaces at approximately right angles to said surfaces.

In testimony whereof I sign this specification in the presence of two witnesses.

JOHN PETZ.

Witnesses:

CHARLES F. BURTON,

MAY E. KOTT.