Jan. 31, 1928.

1,657,520

E. VAILLANCOURT

GLASS RUN ASSEMBLY

Filed Oct. 26, 1925

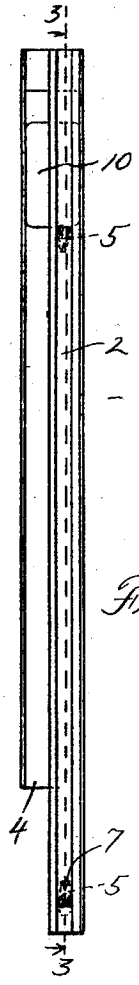


Fig. 1.

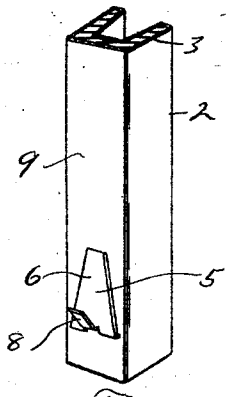


Fig. 2.

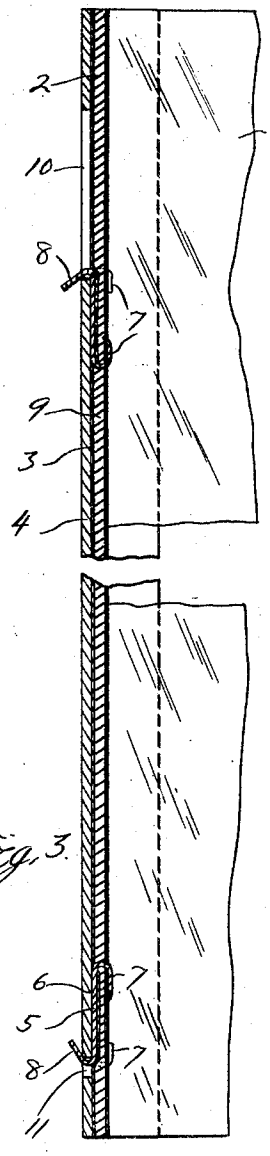


Fig. 3.

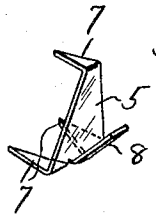


Fig. 4.



Fig. 5.

Inventor

Edward Vaillancourt

By Whittemore, Hubbard & Whittemore, Belknap

Attorneys

Patented Jan. 31, 1928. 1,657,520

UNITED STATES PATENT OFFICE.

EDWARD VAILLANCOURT, OF DETROIT, MICHIGAN, ASSIGNOR TO MURRAY BODY CORPORATION, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

GLASS-RUN ASSEMBLY.

Application filed October 26, 1925. Serial No. 64,936.

This invention relates generally to fasteners and refers more particularly to clips designed primarily for attaching window runways and the like to suitable supports.

One of the essential objects of the invention is to provide a fastener of this type that is simple in construction and that can be readily manufactured in large quantities at a comparatively low cost.

Another object is to provide a durable fastener that initially may be easily secured to the window runway or guide and that subsequently may be quickly engaged with the support to attach the runway thereto.

With the above and other objects in view, the invention resides in certain novel features of construction, combinations and arrangements of parts as will be more fully pointed out in the appended claims.

In the accompanying drawing:

Figure 1 is a front elevation of a window run assembly embodying my invention.

Figure 2 is a fragmentary perspective view of one of the runways.

Figure 3 is a section on the line 3—3 of Figure 1.

Figure 4 is a perspective view of one of the fasteners.

Figure 5 is a plan view of one of the fasteners before it is clamped in place.

Referring now to the drawing, the numeral 1 designates a sashless glass panel that is adapted to be guided in its movements by a suitable runway 2. As shown, this runway is preferably a resilient strip of channel-shape and is preferably provided throughout its length with a suitable felt covering 3.

To facilitate the attachment of the runway 2 to a suitable support such as the channel-shaped metallic rail 4, I preferably provide a plurality of fasteners 5 which are preferably permanently secured to the runway 2 and are detachably secured to the channel rail 4. As shown, each fastener 5 is preferably formed of sheet metal and comprises a flat substantially triangular shaped base 6 provided at its opposite ends, with three laterally extending prongs 7 and a laterally extending tongue 8. Any number of prongs or tongues may be provided as found desirable, however in the present instance two of the prongs 7 are preferably spaced laterally apart at one end of the base and, before attachment to the runway, are disposed substantially parallel to the third prong at the opposite end of the base. On the other hand the tongue 8 projects in an opposite direction, preferably from between the spaced prongs 7 and is preferably disposed at substantially an acute angle to the base 6 to facilitate its engagement with a support.

Thus, when it is desired to attach a runway to a support such as the rail 4, a plurality of fasteners 5 are first secured to the runway by pressing the prongs 7 through the runway base 9 and crimping the same over the inner face thereof as shown in Figures 1 and 4 of the drawing. Any number of such fasteners may be used and may be secured to the runway wherever desirable, however they are preferably spaced closer together on the runway than the openings 10 and 11 respectively provided in the rail 4 for receiving the tongues 8, as will be hereinafter explained. With the present construction, only two fasteners 5 are required and are preferably secured to the runway 2 adjacent to its opposite ends. After the fasteners 5 are secured to the runway 2, the latter may readily be attached to the rail 4 by inserting the tongue 8 of the uppermost fastener through the opening 10 at one end of the rail and then stretching the runway slightly longitudinally of the rail to position the tongue 8 of the other fastener under the upper edge of the opening 11 at the opposite end of the rail. Hence, the resiliency of the runway will effectively maintain the tongues 8 in firm engagement with the rail 4. With this arrangement it is unnecessary to crimp the tongues upon the rail, moreover a runway 2 may readily be replaced by merely disengaging the tongues 8 from the rail 4 and then attaching a new runway thereto in the manner described. To provide a neat and attractive appearance, a suitable strip of metal molding (not shown) may be inserted in the channel of the rail 4 at one side of the runway 2. Such a strip will also serve to maintain the runway in snug engagement with the opposite wall of the rail.

While it is believed that from the foregoing description, the nature and advantage of my invention will be readily ap-

parent, I desire to have it understood that I do not limit myself to what is herein shown and described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim as my invention is:

1. In a glass runway assembly, the combination with a stretchable glass runway, and a non-stretchable support having spaced openings therein, of means for attaching said glass runway to said support including clips fixed to the glass runway engageable with said openings by the stretching of said glass runway.

2. In combination, a channel-shaped glass runway of elastic material having oppositely extending hooked-shaped projections spaced longitudinally of its base, and a support for said glass run comprising a rail having a pair of longitudinally spaced openings receiving said hooked-shaped projections, the distance between the hooked-shaped projections being normally less than the distance between the spaced openings so that the glass run-way is stretched slightly and under tension when the projections are in engagement with the openings, and said projections will thereby be maintained in such engagement due to the resiliency of the glass runway.

3. In combination, a channel-shaped glass runway of elastic material, metallic fasteners therefor adapted for selective attachment to the base of said runway at longitudinally spaced predetermined points the said fasteners providing oppositely extending hooked-shaped members, and a support for said glass runway comprising a rail constituting a bearing or seat for the base of the runway and having a pair of longitudinally spaced openings receiving said hooked-shaped members, the hooked-shaped members being normally spaced apart a distance less than the distance between the spaced openings so that the glass runway is stretched and under tension when the hooked-shaped members are in engagement with the openings aforesaid and the hooked-shaped members will thereby be maintained in such engagement due to the resiliency of the glass runway, the fasteners aforesaid constituting the sole attaching means for said runway to said rail.

In testimony whereof I affix my signature.

EDWARD VAILLANCOURT.