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1,594,765

R. T. AXE

WINDOW SASH CONSTRUCTION

Filed June 18, 1924

Fig. 1.

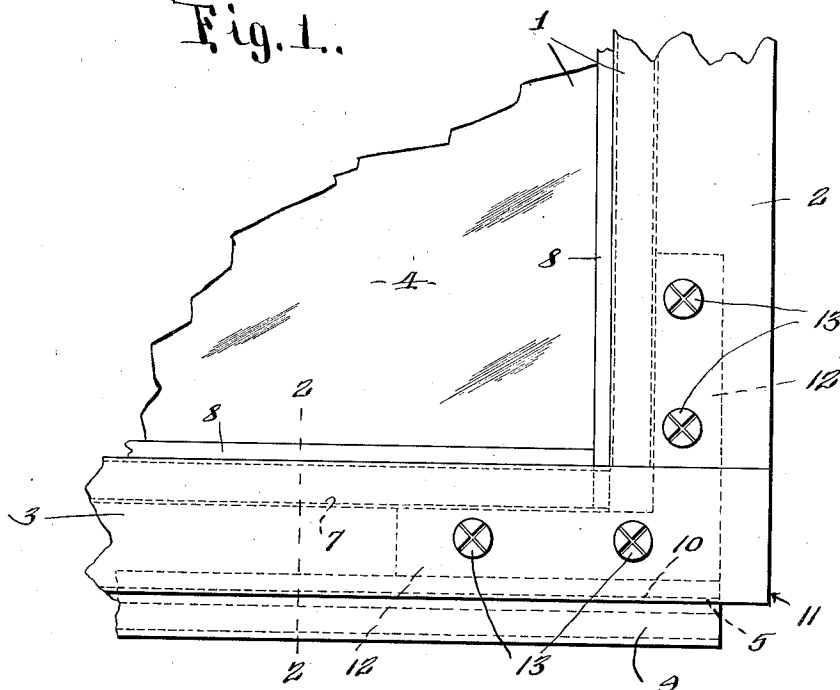
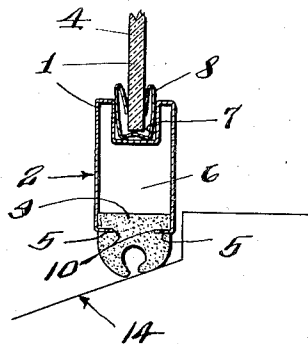


Fig. 2.



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UNITED STATES PATENT OFFICE.

ROY T. AXE, OF SYRACUSE, NEW YORK, ASSIGNOR TO THE O. M. EDWARDS COMPANY INC., OF SYRACUSE, NEW YORK, A CORPORATION OF NEW YORK.

WINDOW-SASH CONSTRUCTION.

Application filed June 18, 1924. Serial No. 720,876.

This invention relates to a window sash construction, and has for its object a sash or sash member construction by which a weather or buffer strip can be readily removed and replaced. The invention consists in the novel features and in the constructions hereinafter set forth and claimed.

In describing this invention reference is had to the accompanying drawings in which like characters designate corresponding parts in all the views.

Figure 1 is a fragmentary elevation of a sash embodying my invention.

Figure 2 is a sectional view on line 2—2, Fig. 1.

This sash is particularly applicable for railway cars and motor vehicles and particularly motor buses, and is constructed so that the weather strip or buffer carried by the lower member or rail of the sash can be removed when worn or a strip or buffer which best conforms to the sill of the window frame can be applied to the finished sash, it being understood that the faces of the sills are in some cases horizontal and in others inclined at different degrees.

This sash construction comprises a hollow sash member, as a lower rail open at its outer or lower edge, and a weather strip or buffer carried at the outer or lower edge of the rail, the rail and the buffer having means arranged to interlock upon an endwise sliding movement of the buffer through the open end of the rail, so that the buffer and the rail directly engage each other.

1 designates the sash as a whole including stiles and rails as 2, 3, a pane 4, suitably carried by the stiles and rails.

The stiles and rails are usually hollow and formed up from sheet metal and are in the form of a channel open at its outer edge, the rail having inturned flanges 5, at the mouth or open side of the channel 6. The bottom of the stiles and rails are also formed with channels or grooves 7 for receiving the margin of the pane 4 or devices 8 located in the groove 7, for receiving the margin of the pane 4.

9 is the strip extending into the channel 6 and interlocking with the contracted entrance thereof, it having grooves 10 in its opposite sides for receiving the flanges 5.

The strip is placeable in and removable from the channel by sliding the strip in the channel through the open end 11 of the same.

Usually the rail extends to the lateral end of the sash and each stile and rail is joined together by a cover rim 12 within the ends of the stiles and rails and by screws 13 extending through the stiles and rails and the corner rim.

The strip 9 is shaped to conform to either a flat sill or an inclined sill indicated at 14.

By my construction of stile the buffer strips are readily interchangeable and also readily removable and replaceable by a new one.

The general construction of the sash forms no part of this invention but constitutes the subject matter of my pending application, Sr. No. 55,765, filed September 11, 1925 and the specific construction of the weather strip or buffer itself forms the subject matter of my pending application, Sr. No. 55,764, filed September 11, 1925.

What I claim is:—

In a window sash construction, the combination of a hollow sash member, U-shaped in general outline and cross section, the sash being in the form of a channel open at its outer edge and the bottom of the channel having a re-entrant groove for receiving the margin of the glass pane, the opposing sides and the bottom of the U-shaped formation being an integral structure, the front and rear sides of the sash member being formed with inturned flanges at the open edge of the channel and a weather strip having lengthwise grooves for receiving said flanges.

In testimony whereof, I have hereunto signed my name, at Syracuse, in the county of Onondaga, and in the State of New York, this 22nd day of May, 1924.

ROY T. AXE.