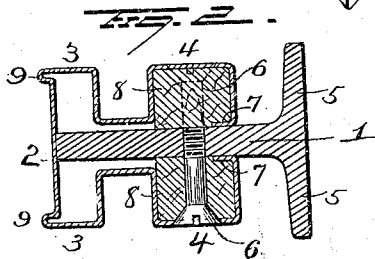
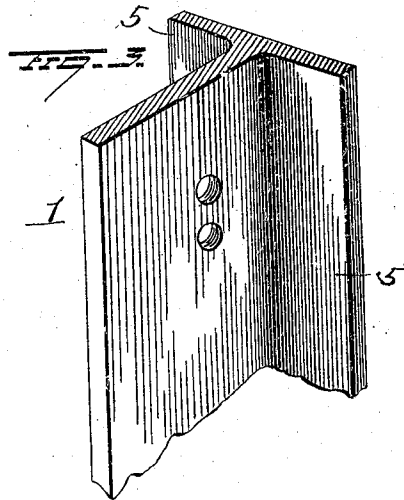
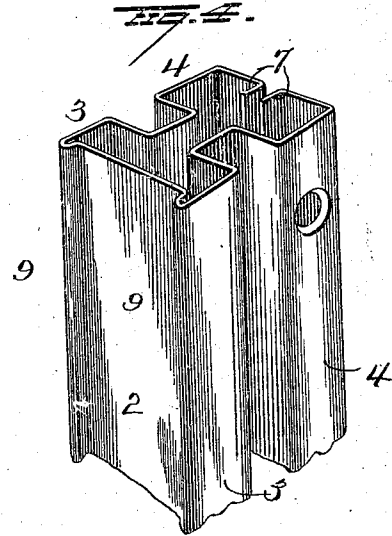
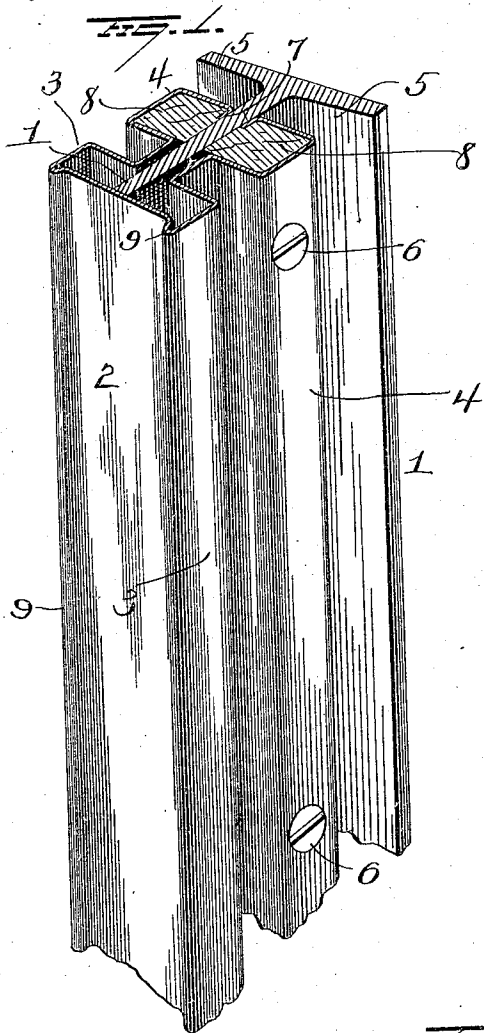


C. H. ANDERSON.
 SIDE FRAME FOR CAR WINDOWS.
 APPLICATION FILED SEPT. 24, 1914.

Patented May 29, 1917.

1,228,161.



WITNESSES
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SIDE FRAME FOR CAR-WINDOWS.

1,228,161.

Specification of Letters Patent.

Patented May 29, 1917.

Application filed September 24, 1914. Serial No. 863,370.

To all whom it may concern:

Be it known that I, CHARLES H. ANDERSON, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Side Frames for Car-Windows; and I do hereby 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 appertains to make and use the same.

My invention relates to improvements in side frames for car windows, the object being to provide a novel construction which can be cheaply manufactured and quickly assembled and which will provide for maximum window space with ample support between the latter for the top structure of the car.

With this object in view my invention consists in the parts and combination of parts and in the details of construction as will be more fully pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of a section of one of the side posts provided with my improved window stop strips and pilaster. Fig. 2 is a view in transverse section taken through one of the securing screws. Fig. 3 is a view of the side-bar with the top strip and pilaster removed, and Fig. 4 is a view of the latter removed from the side post.

1 represents one of the side posts which are secured to the underframe of the body, and support the roof structure. These posts are T-shape in cross-section, with the webs projecting inwardly, the side plates (not shown) of the car being secured to the outer faces of the bodies of the posts 1. Secured to the webs of the posts are the combined stop-strips and pilaster, which latter may be cast, but are preferably made of sheet metal, bent as shown to form the pilaster 2, and stop-strips 3 and 4, at opposite sides of the post. This combined pilaster and strips covers the free edge of the web, and sides of the latter to a point near the body 5 of the post, spaces sufficient being left between the strip 4 and the body 5 for the edges of the sashes in which the latter slide, so that the sashes have bearing at their edges and outer sides against the metal post 1, and at their inner sides against the metal stop-strip 4. The

grooves between the stop strips 4 and 3 are for the curtain rods.

The stop strip 4 at each side of the web of the post, is provided with a wood filler 8 of substantially the shape and size of the strip, so as to completely fill the same and thus prevent it from collapsing under the pressure of the securing screws, 6, which secure the combined stop strips and pilaster in place. The free edge 7 of the strips 4 are turned up so as to bear against the inner faces of the filling blocks 8, thus protecting the latter against contact with water. The combined stop and pilaster is shaped to receive the web of the post 1, and the free edge of the latter bears against the inner face of the pilaster at the center thereof thus supporting it throughout its length, the edges of the pilaster being preferably strengthened by the ribs 9 bent outward as shown. The pilaster may be any width and plain or ornamental as desired.

The securing screws pass through the stops 4 and the wood filling therein and are screwed to the web of the post, or if desired may pass through the web and into the strip at the opposite side of the web of the post, so that the screws at the two sides tend to and do hold both stops 4 solidly against the sides of the web. The side posts on both sides of the car body are of the same shape in cross-section, and the combined strips and pilaster are alike so that there are no right and left, but are interchangeable to facilitate placing them in position.

With my construction the grooves or channels for the window and curtain are formed by the side posts and the metal stop-strips. In other words the body and web of the side posts form of themselves, the base and outer walls of the grooves for the window sashes, while the stop-strips which are integral with the pilaster, form the outer walls of the grooves for the sash and the groove for the curtain rods. This not only economizes in the cost of construction, but also in space and permits of large size windows for any standard length of car.

It is evident that changes in the construction and relative arrangement of the several parts might be made without avoiding my invention and hence I would have it understood that I do not restrict myself to the particular construction and arrange-

ment of parts shown and described, but consider myself at liberty to make such changes as fairly fall within the spirit of the claims.

5 Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:

10 1. In a side frame for car windows, the combination of a T-shaped metal side post, and stop strips, the pilaster lying in front of the edge of the web of the post and the free edges of said covering being bent inwardly and lying against the sides of the
15 web with spaces between said inwardly turned edges and the body of the post for the window sashes, and readily accessible fastening means securing said covering to the post.

20 2. In a side frame for car windows, the combination of a metal side post, a covering for the inner portion of the same, the said covering consisting of a sheet of metal bent to form a pilaster for the inner face
25 of the post and stop strips, the latter being located at opposite sides of the post, the free edges of the covering bearing directly

against the sides of the post at a point removed from the body thereof, and forming with the latter, guides for the window sashes, the pilaster being supported centrally by the inner edges of the post, and readily accessible means for detachably securing the covering to the post.

3. The combination of a T-shaped metal side post, a combined integral pilaster and stop strips made of sheet metal and covering the inner edge and parts only of the sides of the web of the post so as to leave spaces for the window sashes between the edges of the covering and the body of the post, filler blocks filling the stop strips and screws passing through the stop strips and filler blocks and engaging the web of the post for detachably securing the covering to the post.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

CHARLES H. ANDERSON.

Witnesses:

W. M. MANGOLD,
H. H. KEENER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."