

G. C. HESTER.
METHOD OF MAKING SHEET METAL COVERED MEMBERS.
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1,363,413.

Patented Dec. 28, 1920.

Fig. 1.

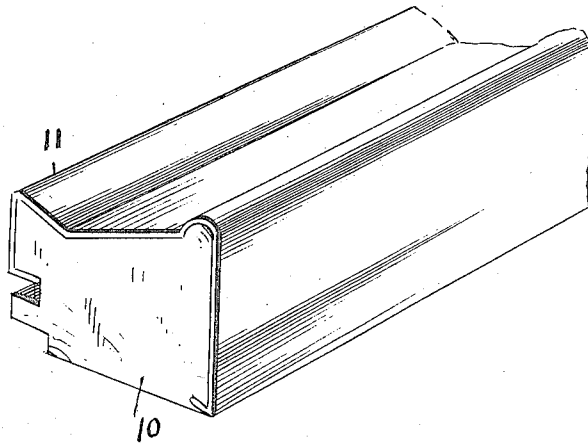
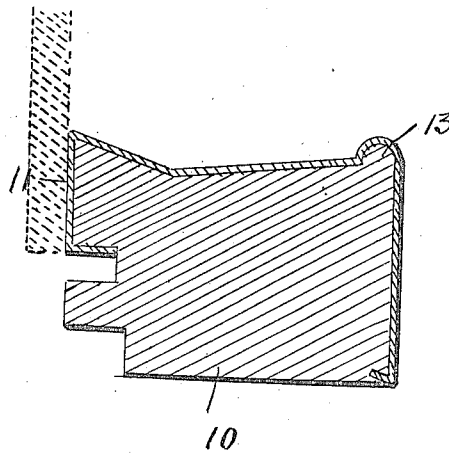


Fig. 2.



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METHOD OF MAKING SHEET-METAL-COVERED MEMBERS.

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To all whom it may concern:

Be it known that I, GEORGE C. HESTER, a citizen of the United States, and resident of Chicago, in the county of Cook, and in the State of Illinois, have invented a certain new and useful Improvement in Methods of Making Sheet-Metal-Covered Members, and do hereby declare that the following is a full, clear, and exact description thereof.

A well known type of construction for the sash or frame members for the windows or display fronts of stores, etc., is a wooden core or molding, covered with sheet metal, such as copper, that is made to conform to the contour of the wood core. For inexpensive manufacture it is desirable first to shape the strip and then to draw upon it the copper or other sheet metal cover, or thin shell, or molding to form the sash, corner bar, division bar, or other member. The wood core is usually given a molding form with narrow edges or thin, rib-like projections, which, with the wood in its natural state (especially if it is pine, or has pine-characteristics) are fragile and apt to be broken off during the drawing operation. Again, it is desirable for the purpose of facilitating the sheet metal drawing operation and to contribute to the smooth, even laying thereof on the wood, to provide the wood surface with a lubricant that will afford the desired slipperiness of surface. A third important matter is the protection of the wood from rotting, which, notwithstanding it is covered with metal, is nevertheless exposed to this danger by reason of the nail, or screw-holes that exist for the required attaching means. The object of my invention is to supply the needs just indicated, and to do so preferably by a single instrumentality, and to this end my invention consists in the sash or store-front member and in the method of producing the same, all substantially as hereinafter specified and claimed.

In the annexed drawings—

Figure 1 is a perspective view of a section of store front sash made in accordance with my invention;

Fig. 2 is a cross section thereof.

The section of sash shown in the drawings is a sill member which lies against the side of and clamps the plate glass sheet, and said member is composed of a core-molding 10 of wood, and a sheet metal cover or shell 11, say of copper. Before the sheet metal shell is applied the core-molding is treated with preferably a single material which will serve to toughen or remove the brittleness of the wood, render its surface slippery and be a preservative. I preferably use creosote, which, I have discovered possesses all these properties, and whose use and mode of application to wood in other relations is well known. After such treatment, which may be in accordance with the known methods, or others, the sheet metal is by a drawing operation, with suitable tools, applied to the wood core.

It will be observed that at one edge on the upper side, the sash has a bead-like upwardly projecting flange 13. Said bead-like flange (over which the sheet metal is passed) has as its primary object the provision of a curb that confines between it and the glass any drainage water, and protected and reinforced by the sheet metal cover the bead can be made very slight in cross section. Besides its purpose as a curb, said bead enhances the appearance of the sash since it has an ornamental effect.

Having thus described my invention what I claim is—

1. The method of making a glazing member which consists in treating a wood core-molding to a wood preservative and then applying a sheet metal cover thereto by a drawing operation.

2. The method of making a glazing member, which consists in creosoting a wood core-molding, and then applying a sheet metal cover thereto by a drawing operation.

In testimony that I claim the foregoing I have hereunto set my hand.

GEORGE C. HESTER.