June 19, 1928. 1,674,439

G. A. KNAPP

METAL TRIM FOR WINDOWS

Filed Aug. 5, 1924

Fig. 1.

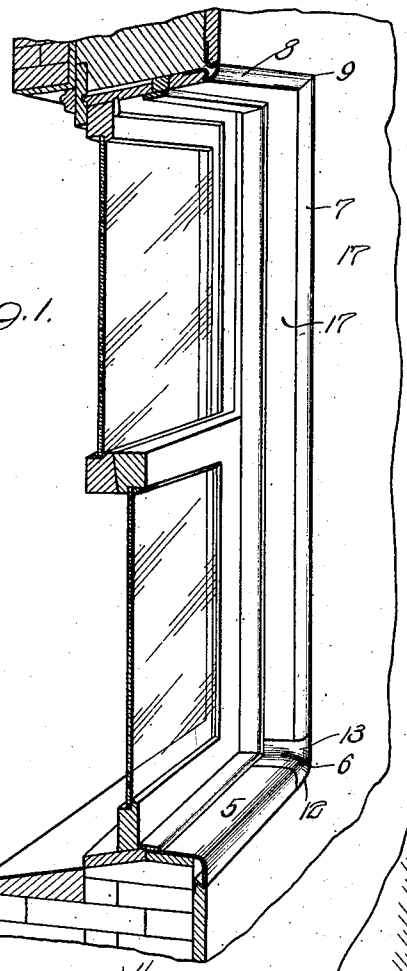


Fig. 2.

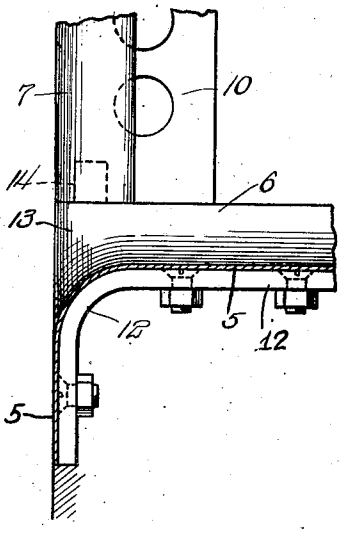


Fig. 3.

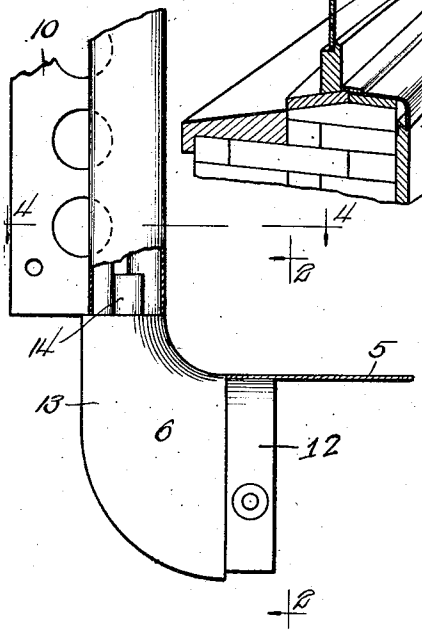
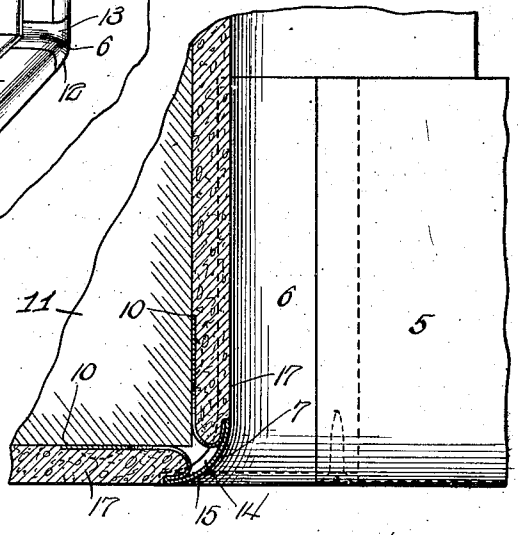


Fig. 4.



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Patented June 19, 1928.

1,674,439

UNITED STATES PATENT OFFICE.

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METAL TRIM FOR WINDOWS.

Application filed August 5, 1924. Serial No. 730,182.

This invention relates to improvements in metal trim for windows.

One of the objects of the invention is to provide a metal facing for the vertically extending inside corners for windows in cooperation with a metal facing or stool overlying the horizontal bottom side or lower boundary of window opening, the entire metal trim or facings being flush with the plaster surrounding the inner surface of the window opening rendering the finish sanitary.

Another object is to provide means for connecting the vertical corner facing with the sheet metal stool of the window.

Other objects, benefits and advantages will become apparent from a consideration of the following description, when taken in conjunction with the accompanying drawing, wherein:—

Fig. 1 is a perspective view of a window showing the invention and showing parts in section.

Fig. 2 is a section on line 2—2 of Fig. 3.

Fig. 3 is a front view of the lower left hand corner of the trim showing parts in section.

Fig. 4 is a section on line 4—4 of Fig. 3.

In all the views the same reference characters are employed to indicate similar parts.

In my U. S. Patent No. 1,393,792, granted to me October 18, 1921, the trim and reveal are made of one piece of metal which covers the entire surface bordering the sides and upper end of the window opening. In this patent the reveal extended under the vertical stop strip which serves to retain the window sash in place.

In the present application the trim and reveal are replaced by a rounded strip to cover the corners, commonly known as a corner bead but wider in extent, and furnishing grounds to which the plaster is to be finished.

The stool covering 5 of the stool is similar to that shown in my patent to which reference has been made. The bracket 6 which joins the covering 5 and the curved vertical member 7 is somewhat different.

The vertical members 7 are mitered to a similar member 8 at the top of the window, as at 9.

The side plates 10 of the member 7 may be nailed to the corner of the wall 11, as shown in Fig. 4. The bracket 6 is curved at its outer end downwardly, providing a segmental part at 12, and laterally at 13, to avoid exposed angular surfaces and to conform to the curves of the connected parts 5 and 7.

An upstanding dowel 14 rises from the segmental curved end 13 about which the lower ends of the side members 14 are placed to unyieldingly hold said side members in position with respect thereto. The curved portion 15 of the member 7 stands out from the wall 11 being held by the dowel 14 and the plates 10. The plaster 17 is made flush with the part 15.

A bracket, one right hand and the other left hand, is placed in each of the respective corners of the window.

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

1. In combination, a corner bead structure comprising a corner bead formed from a strip of material bent longitudinally to provide a bead portion proper, portions of said strip being bent backwardly upon itself at the edges of said bead portion proper, thence inwardly substantially parallel to form a narrowed throat and thence away from each other substantially at right angles to form wings for attachment to a structure to be plastered, and a corner piece adapted to form a right angular continuation and connection for said bead portion proper, said corner piece being provided at one end with an ear adapted to be inserted into the end of the corner bead in a space defined by said bent portions of the bead portion proper.

2. In combination, a corner bead structure comprising a corner bead formed from a strip of material bent longitudinally to provide a bead portion proper, portions of said strip being bent backwardly upon itself at the edges of said bead portion proper, thence inwardly substantially parallel to form a narrowed throat and thence away from each other substantially at right angles to form wings for attachment to a structure to be plastered, and a corner piece adapted to form a right angular continuation and connection for said bead portion proper, said corner piece being provided at one end with an ear adapted to be inserted in a space between the bead portion proper and said bent

back portions of said strip, said ear being adapted to be held snugly in said corner bead between the corner bead portion proper and said backwardly bent portions.

3. In combination, a corner bead structure comprising a corner bead formed from a strip of material bent longitudinally to provide a bead portion proper, portions of said strip being bent backwardly upon itself at the edges of said bead portion proper, thence inwardly substantially parallel to form a narrowed throat and thence away from each other substantially at right angles to form wings for attachment to a structure to be plastered, a stool located at substantially right angles to said bead, and a corner piece comprising a right angular portion adapted to form a continuation of and a right angled connection between the bead portion and stool, said corner piece being provided at its ends with projections adapted to telescope an end of the corner bead and an end of said stool, whereby the outer surface of said corner piece will lie flush with the outer surfaces of said bead and stool.

4. As an article of manufacture, a corner bracket for casings comprising a substantially angular body provided with an ear extending from the internal angle of the body adapted to engage and substantially transversely fill a receiving space of an angularly disposed plate.

5. As an article of manufacture, a corner bracket for casings comprising a substantially angular body provided with projections extending from the ends of the body adapted to engage and substantially transversely fill receiving spaces of a vertically disposed corner bead and a horizontally disposed stool.

In testimony whereof I hereunto set my hand.

GEORGE A. KNAPP.