Oct. 25, 1932. J. A. BOHNSACK 1,883,870

METALLIC BUILDING ELEMENT

Filed Aug. 17, 1927

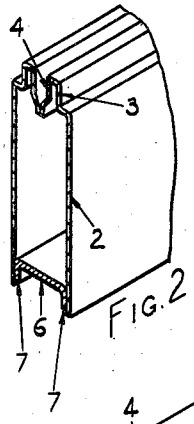


FIG. 2

FIG. 1

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UNITED STATES PATENT OFFICE

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METALLIC BUILDING ELEMENT

Application filed August 17, 1927. Serial No. 213,523.

The present improvement relates to metallic building elements, and more particularly to construction adaptable for doors and framing units where glazing or other panel filling elements may be employed.

It is among the objects of this invention to provide a construction which is simple and convenient for manufacture, strong and durable, consisting of few parts and pleasing in appearance, especially by the avoidance of exposed welded joints. Also the proposed construction is sanitary and otherwise desirable by the elimination of exposed crevices between a multiplicity of parts. Other objects and advantages will appear as the description proceeds.

This invention consists of the features hereinafter described, and particularly pointed out in the claims; the following description and the annexed drawing setting forth but one illustrative embodiment of the various forms in which the principle may be applied.

In said annexed drawing:

Fig. 1 shows the lower part of a door constructed in accordance with this invention; and Fig. 2 is a fragmentary view showing a modification.

This construction is also suitable for any concealed margin of a metallic building unit, such as for example the top, bottom or edges of a partition or the sides of a window sash. We, therefore, call our invention a marginal metallic building element.

In the form illustrated the lower horizontal portion of the door, called the bottom rail, is indicated by the designating number 1, and this invention relates to marginal metallic building elements, of which bottom rail 1 is an example.

Bottom rail 1 is of the type in which the body portion 2 of the rail is integral with the moulding or beading portion 3 and the panel holding groove 4.

The outer or concealed portion of the rail is formed by the edges of the metal being bent to meet one another in such a manner as to be conveniently welded or otherwise fastened to one another from the outside of said rail, one form of such a joint being shown at 5. Another form is shown at Figure 2 in reduced scale, in which another piece of metal conveniently shaped as shown at 6 is welded between the sides of the element as at points 7—7.

The joint thus formed, although more or less unsightly in itself is so located as to be concealed by the assembly thereof in the finished structure, and therefore avoids the necessity of grinding or otherwise finishing said joint.

Other modes of applying the principle of this invention may be employed instead of that explained, change being made as regards the features herein disclosed, provided the means stated by the following claim or the equivalent of such stated means be employed.

I therefore particularly point out and distinctly claim as my invention:

A framing member for a metallic building unit, comprising two symmetrical sheet metal shells assembled with one margin inturned as a stretcher-receiving groove with parallel walls converging at their base to a V-shaped seam, and the other margin having an inwardly directed recess with outwardly-directed flanges weld-seamed together and lying within the contour outlined by the outside dimension.

Signed by me this 13th day of August, 1927.

JOHN A. BOHNSACK.