C. J. SWANSON.

METAL DOOR TRIM.

APPLICATION FILED APR. 10, 1912.

1,150,790.

Patented Aug. 17, 1915.

2 SHEETS—SHEET 1.

Fig. 1.

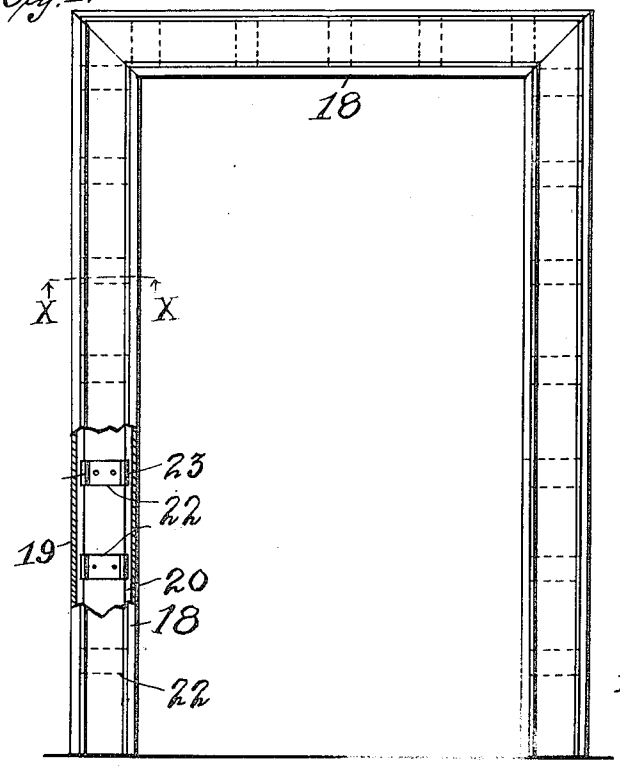


Fig. 3.

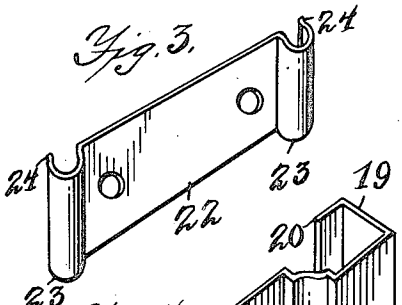


Fig. 4.

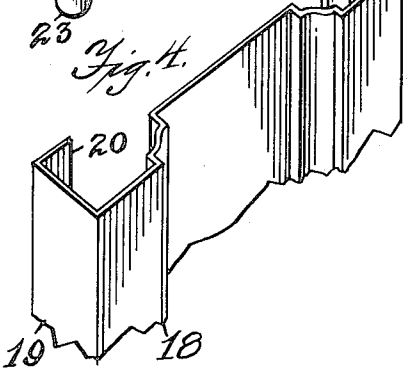
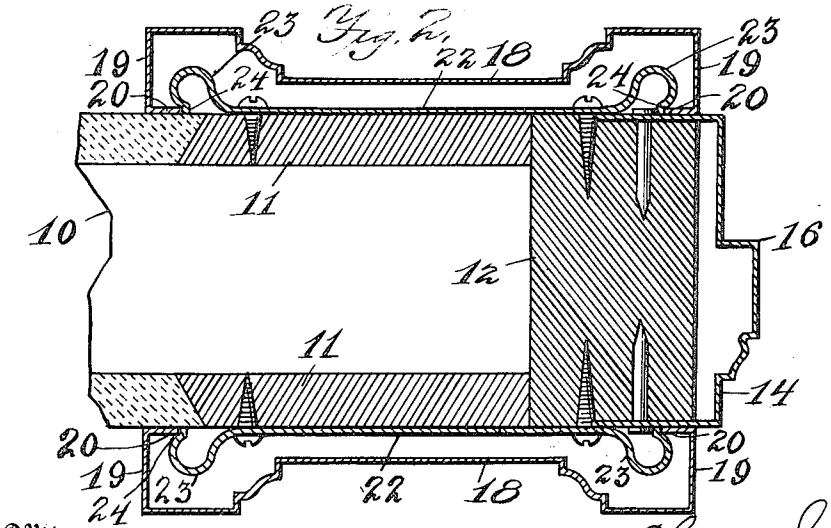


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 5.

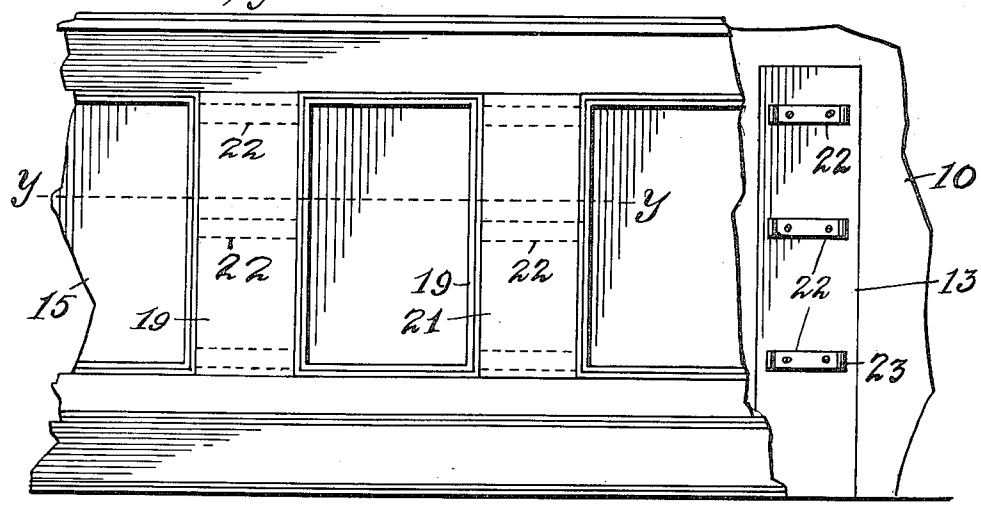


Fig. 6.

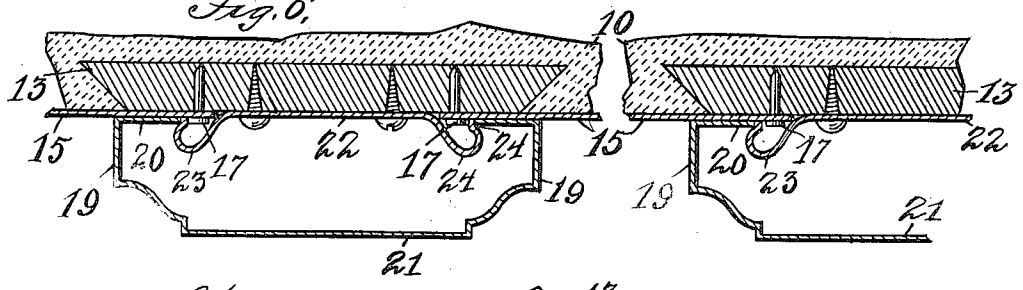


Fig. 7.

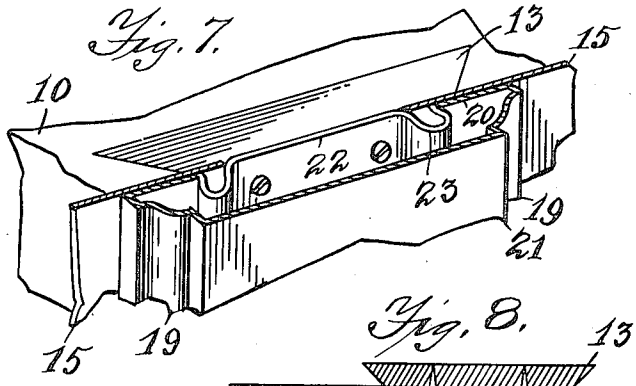
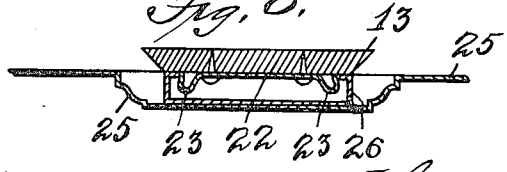


Fig. 8.



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UNITED STATES PATENT OFFICE.

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METAL DOOR-TRIM.

1,150,790. Specification of Letters Patent. Patented Aug. 17, 1915.

Application filed April 10, 1912. Serial No. 689,787.

To all whom it may concern:

Be it known that I, CHARLES J. SWANSON, a citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Metal Door-Trims, of which the following, taken in connection with the accompanying drawings, is a specification.

The invention relates to sheet metal construction for door or window frames, paneling, wainscoting and similar devices; and the object of the improvement is to provide a simple and efficient means for attaching the sheet metal trim to the wall, as, for example, in a door or window frame, to attach the trim to the jambs and lintel of the opening said sheet metal trim being constructed so that the jamb strips may be attached with nails or screws, and the molding or wall facing may be sprung into place upon holding clips which hold them rigidly in place and cover the means of attachment, making a pleasing finish for a door or window frame or for paneling; and the invention consists in the combination and arrangement of the parts as shown in this specification and the accompanying drawings and pointed out in the claim.

In the drawings, Figure 1 is an elevation of the door frame, one of the moldings being shown in section to reveal the spaced clips. Fig. 2 is a sectional view of the door at line X X in Fig. 1. Fig. 3 is a perspective view of one of the holding clips for the molding; and Fig. 4 is a perspective view of a portion of the molding or sheet metal wall trim. Fig. 5 is an elevation of a portion of sheet metal wainscoting with part of the paneling broken away to show the spaced holding clips. Fig. 6 is a sectional view at line Y Y in Fig. 5 showing the manner of attaching a pillar of the paneling to the wall. Fig. 7 is a sectional perspective view of the wall and paneling showing the manner of construction. Fig. 8 is a similar sectional view to that shown in Fig. 6 showing a modification of the preferred construction.

Like numerals of reference refer to corresponding parts in the several views.

The numeral 10 designates the wall adjoining the opening for a door or window which is to receive the sheet metal trim or which is to receive the paneling or wainscoting. Around doors and windows the wall 10 is preferably faced with attaching strips 11 and 12 and in walls where it is intended to attach paneling or wainscoting strips 13 are inserted preliminary to putting on the metal trim.

The sheet metal trim consists of the jamb facing 14 for doors and windows or panel plates 15 for paneling or wainscoting. The jamb facing 14 has an angular stop 16 for the door and the jamb facing is attached to the strip 12 at each side, as shown in Fig. 2. The panel plates 15 are preferably attached to strips 13 as shown at 17 in Fig. 6.

On each of the wall faces on each side of the jamb or lintel of a door or window opening the trim consists of moldings or channel strips 18 which are preferably formed with raised sides 19 having inturned edges or flanges 20 at each side, which edges 20 are usually parallel to one another and a spaced distance apart. For paneling, a similar molding or channel strip 21 is provided having spaced sides 19 and 20 the same as molding 18. The moldings 18 and 21 are attached to the wall by means of a number of spaced holding clips 22 which are attached to strips 11, 12 and 13 in line and at spaced distances. Each of the holding clips 22 have their ends curved outwardly in a tubular bend 23. The length of the holding clips 22 is fitted to the spaced distance between the inturned edges 20 and said clips are preferably attached with two screws in order to rigidly hold said clips and the metal trim in place. The outwardly curved ends 23 are sufficiently large to give them considerable spring and the sides 19 of the sheet metal moldings 18 and 21 also have considerable spring so that said flange sides are readily sprung over the curved ends 23. A slight angle 24 is preferably provided in the curved end 23 adjacent to the wall to receive thereagainst the edge 20 and thereby hold or lock said sheet metal edge 20 firmly in place on each side of the molding.

The modification shown in Fig. 8 is used when it is desired to make the door trim wider or to form the wainscoting or other paneling in a continuous strip as designated by the numeral 25. A sheet metal channel strip 26 is provided having angular sides and inturned spaced edges exactly the same as moldings 18 or 21. The holding clips 22 are provided the same as in the preferred form of panel construction and the channel

strip 26 is attached to the inner side of the molding 25 by spot welding or other means and it is apparent that the molding can be quickly attached to the wall by springing the channel strips 26 over the curved ends 23 of the holding clips 22.

The moldings for the jambs and lintel of door or window openings are preferably mitered and the jamb facing 14 is also mitered and first fitted to place around the opening. The holding clips 22 are then attached at spaced distances upon both faces of the surrounding wall and the molding 18 is then sprung over the same, said holding clips being so placed as to bring the mitered joints into perfect alinement. In order to adjust the holding clips perfectly in alinement the holes therethrough for the screws may be made larger than the screws or elongated so that a perfect adjustment may be made at the mitered corners. It is obvious that this simple construction permits the completion of the trim for either a door, window or paneling construction in an exceedingly simple and workmanlike manner.

I claim as new—

A sheet metal trim comprising a holding clip having a substantially flat central portion for attachment to the wall, the ends of the central portions terminating in return bends, the free edges of which are formed with inwardly offset flanges which have free edges that slidably bear against the wall, and a molding having raised sides to accommodate the bends and wholly conceal the same, the sides of said molding having inturned edges for engaging the outer side faces of the free edges of the flanges after said edges have been sprung over the bends.

In testimony whereof I have affixed my signature in the presence of two witnesses.

CHARLES J. SWANSON.

Witnesses:
H. U. HARRIS,
ARTHUR O. MORSE.