June 17, 1924. 1,497,841

R. W. DISBRO

ELEVATOR INCLOSURE

Filed April 25, 1921

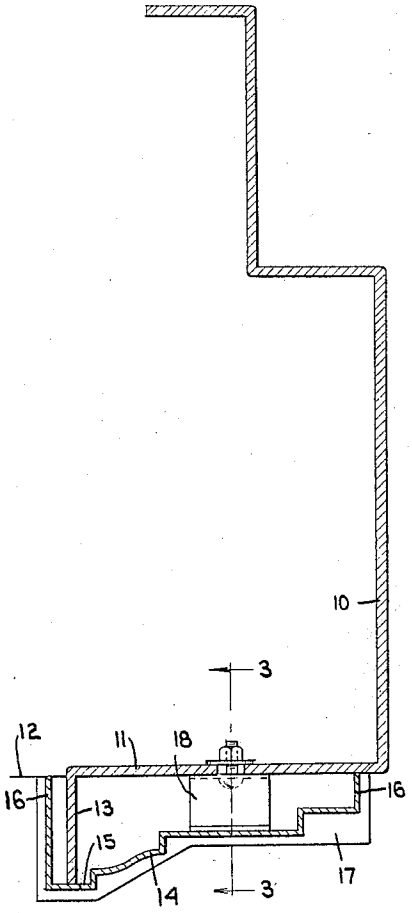


Fig.1.

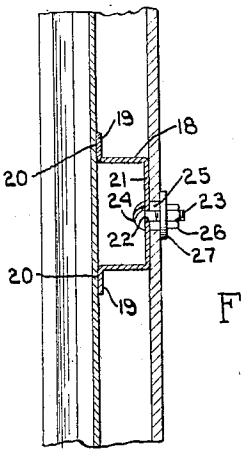


Fig.3.

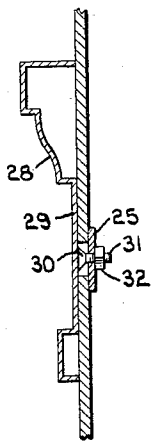


Fig.4.

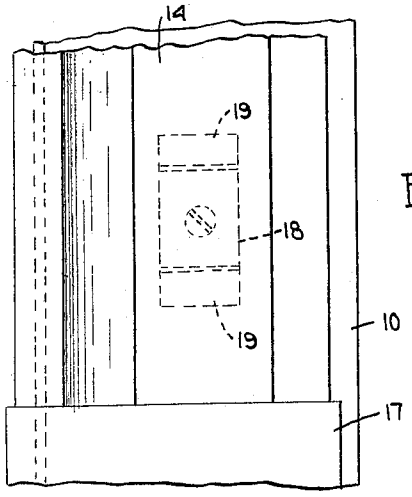


Fig.2.

Inventor
Roger W. Disbro
by Day, Oberlin & Day
Attorneys

Patented June 17, 1924. 1,497,841

UNITED STATES PATENT OFFICE.

ROGER W. DISBRO, OF CLEVELAND HEIGHTS, OHIO, ASSIGNOR TO THE W. S. TYLER COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

ELEVATOR INCLOSURE.

Application filed April 25, 1921. Serial No. 464,433.

To all whom it may concern:

Be it known that I, ROGER W. DISBRO, a citizen of the United States, and a resident of Cleveland Heights, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Elevator Inclosures, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

This invention relates to improvements in elevator inclosures, and more particularly to novel means for attaching ordinary metallic trim strips in place on the frame, commonly known to the trade as the buck, of elevator inclosures.

An object of the invention is to devise a simple, inexpensive trim strip attaching means which will rigidly secure the strips to the buck, and which will be concealed from view when the strip is in place. In ordinary structures of this character the trim strip is secured to the frame by screws or bolts which pass through the strips and remain exposed, thus impairing the appearance of the trim strips. My invention completely obviates this objectionable feature and presents a very practicable construction.

With the above and other objects in view I have devised the novel means for attaching trim strips which I will now describe, referring to the accompanying drawing forming a part of this specification and using reference characters to indicate the several parts.

Fig. 1 is a horizontal sectional view taken through the buck and trim strips at one side of an elevator inclosure, and showing my novel trim strips attaching means in use; Fig. 2 is a fragmentary front elevation of the parts seen in Fig. 1; Fig. 3 is a sectional view on the line 3—3 in Fig. 1, looking in the direction of the arrows; and Fig. 4 is a longitudinal sectional view, similar to Fig. 1, of a modified form of trim strips and attaching means therefor.

I have illustrated in the drawing only a sufficient portion of the frame or buck of one side of an elevator inclosure to aid in understanding my invention. While the buck is shown as being made of pressed metal, and the novel trim strip attaching means, to be hereinafter more fully set forth, as specially designed for use with a pressed metal buck, it will be obvious that the said means may be utilized for securing the trim strip to other framework.

In Fig. 1, is shown the buck 10 of an elevator inclosure, the front side 11 of which lies flush with the wall 12 at either side in front of the inclosure. The end of the portion 11 is bent outwardly to form a right-angular flange 13 which is adapted to bear against the rear side 15 of a metallic trim strip 14, and to rigidly support the strip to prevent it from being dented inwardly. The ends 16 of the trim strip shown in Figs. 1, 2 and 3 are bent inwardly and bear against the wall 12 and the front side of the buck, at either side of the flange 13. The lower end of the trim strip is received in the usual plinth block 17.

I provide 6 U-shaped brackets 18 having lateral ears 19 at their outer ends. The bracket is attached to the trim strip by welding the ears 19 to the rear side of the trim, as indicated at 20. It will be noted that in attaching the bracket to the trim strip, the front surface of the trim is not pierced or injured, as by the ordinary screws, and that the bracket is not visible when the trim is in place. The bridging portion 21 of the bracket is provided with an aperture 22 in which is received a screw or bolt having its threaded shank 23 protruding beyond the portion 21. The screw may be permanently secured in the aperture by welding the head 24 to the portion 21 of the bracket.

The portion 11 of the buck is provided with a hole 25 which is adapted to receive the protruding shank of the screw. In use, the trim strip is placed on the buck with the shank 23 extending through the hole 25. A nut 26 is screwed on the shank to draw the bracket and trim strip firmly against the buck. The hole 25 may be made sufficiently large to allow for slight variation in the location of the bracket on the strip, and a washer 27 may be placed between the buck and the nut.

In Fig. 4 is illustrated a modified form of my invention for attaching a trim strip 28 on a buck without the use of the bracket 18. In some styles of trim strips the cross-section is formed with a central rib 29 which lies against the buck. In such constructions

it is impossible to attach the bracket between the strip and the buck. To provide a novel trim strip attaching means, which will rigidly hold the strip and which will be invisible, I weld the head of a flat-headed screw 31 to the rear side of the rib 29. The trim strip 28 may then be attached to the buck, similarly to the strip 14, by placing the shank of screw 31 through the hole 25 and screwing up a nut 32 on the end of the screw against the opposite side of the buck.

It will be apparent from the foregoing that I have accomplished the objects primarily stated, and that I have provided a novel means for rigidly securing a trim to the buck of an elevator inclosure, which means is not exposed to view. While the invention has been shown and described in its preferred form, no limitation of the invention is to be implied as the invention is capable of several applications in various forms.

Other modes of applying the principle of my invention may be employed instead of the one explained, change being made as regards the mechanism 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:—

In combination, a wall, a buck mounted against the same and having a right-angular flange at one end, a trim strip provided at either end with flanges and said trim strip being mounted in a position with said flanges straddling said flange on said buck, the flanges on the strip engaging against the wall and the buck, and the flange on the buck engaging against the inside face of the trim strip, and means securing the trim strip in firm engagement in such position.

Signed by me, this 7th day of April 1921.

ROGER W. DISBRO.