Dec. 21, 1937. A. D. MELLOR 2,102,599

RADIATOR INCLOSURE

Filed Dec. 13, 1935

Fig. 1.

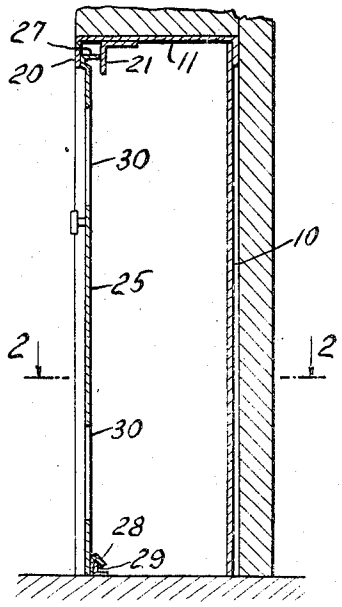


Fig. 4.

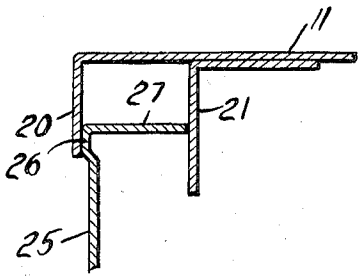


Fig. 2.

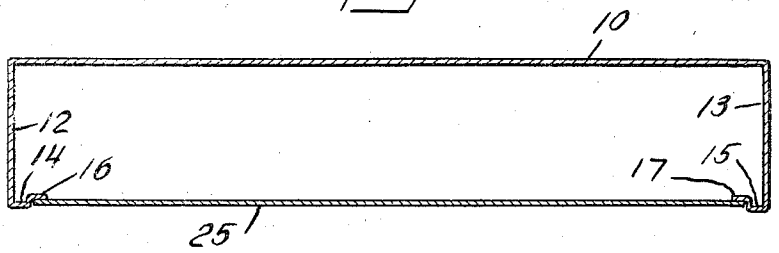
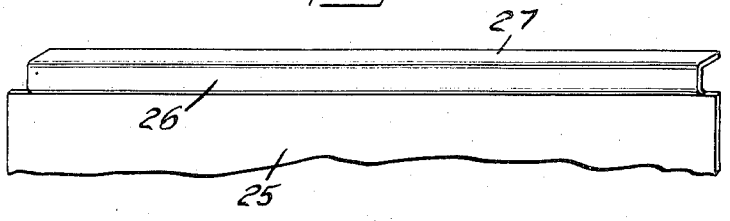


Fig. 3.



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RADIATOR INCLOSURE

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4 Claims. (Cl. 237—79)

This invention relates to radiator inclosures and particularly to removable covers or fronts for such inclosures.

Radiator inclosures are often made with ornamental or enameled finish. The covers or front plates are made removable and in the usual form of construction are easily scratched or marred when placed in position or removed.

This invention has for its salient object to provide a removable front or cover and coacting parts for a radiator inclosure so constructed and arranged that the front can be easily placed in position or removed without scratching or marring the surface thereof.

Another object of the invention is to provide a structure of the character specified so constructed that it will be rigid and stiff in structure and can be economically manufactured.

Further objects of the invention will appear from the following specification taken in connection with the drawing which forms a part of this application, and in which

Fig. 1 is a vertical sectional elevation through a radiator inclosure constructed in accordance with the invention;

Fig. 2 is a transverse sectional view taken substantially on line 2—2 of Fig. 1 looking in the direction of the arrows;

Fig. 3 is a perspective view broken away showing the upper end portion of the cover plate; and

Fig. 4 is an enlarged sectional elevation of the upper outer edge of the closure and cover plate.

The invention briefly described consists of an inclosure having a channel extending downwardly from the top adjacent the front edge thereof and a cover plate having an upper end constructed to fit within the channel and having adjacent the upper end a portion projecting forwardly of the remaining portion of the cover plate, the forwardly projecting portion being adapted to fit against and engage the lower inner surface of the front channel member.

Further details of the invention will appear from the following description.

In the embodiment of the invention illustrated in the drawing the radiator inclosure has a back wall 10, a top wall 11 and end walls 12 and 13. At the front edges of the end walls are formed flanges 14 and 15 having offset ends 16 and 17.

A channel is formed at the front edge of the top wall 11 and comprises downwardly extending channel members 20 and 21, attention being directed to the fact that the inner channel member 21 extends downwardly below the lower edge of the outer channel member 20.

A cover plate 25 is designed to fit across the front of the closure between the flanges 14 and 15, the lateral edges of the cover plate being dimensioned to fit against the offset portions 16 and 17 of the flanges.

The upper end of the cover plate 25 is bent to form a forwardly projecting offset portion 26 and the cover plate has formed thereon at the upper end a flange 27 adapted to fit between the channel members 20 and 21.

At the lower edge of the cover plate 25 is secured an angle member or bar 28 which is adapted to fit over a cross bar 29 at the bottom of the closure.

The cover plate 25 has across the width thereof a plurality of sets of openings 30 and the front surface may be enameled or ornamented in any desired manner.

When the cover plate 25 is to be placed in position on the inclosure the upper end of the cover plate is inserted below the lower end of the channel member 20 with the rear edge of the flange 27 engaging the front surface of the channel member 21. The cover plate is then moved upwardly into the channel using the channel member 21 as a guide and the lower end of the cover plate 25 is swung inwardly until the angle bar 28 is positioned above the cross bar 29. The plate is then lowered into the position shown in Fig. 1.

When the cover plate is to be removed it is lifted a sufficient extent to free the angle bar 28 from the cross bar 29 and the lower edge of the plate is swung outwardly, the upper end of the plate being guided by the engagement of the rear or inner edge of the flange 27 with the channel member 21.

It will be obvious that it is a simple matter to mount and remove the cover plate and, due to the offset upper end 26 of the cover plate, the front surface of the plate will not be scratched or marred.

Although one specific embodiment of the invention has been particularly shown and described it will be understood that the invention is capable of modification and that changes in the construction and in the arrangement of the various cooperating parts may be made without departing from the spirit or scope of the invention, as expressed in the following claims.

What I claim is:

1. An inclosure having a top wall, a back wall, end walls and a downwardly opening channel member disposed at the front edge of the top wall, and a cover plate adapted to close the front of the inclosure and having a flange at the upper edge

thereof adapted to enter said channel member, the upper edge portion of the cover having an off-set portion extending forwardly of the remaining portion of the plate when the cover plate is in position on the closure.

2. An inclosure having a top wall, a back wall, end walls and a downwardly opening channel member disposed at the front edge of the top wall, and a cover plate adapted to close the front of the inclosure and having a flange at the upper edge thereof adapted to enter said channel member, the upper end of the cover plate having a portion projecting forwardly of the remaining portion of the plate and engageable with the inner surface of the front channel wall.

3. A radiator inclosure having a top wall, end walls and oppositely extending flanges at the front edges of the end walls, a downwardly opening channel at the front of the top wall, a cover plate having an offset upper end portion adapted to fit within the channel and against the inner surface of the front channel, said cover plate being dimensioned as to width to fit at its edges against the flanges.

4. A radiator inclosure having a top wall, end walls and oppositely extending flanges at the front edges of the end walls, a downwardly opening channel at the front of the top wall, a cover plate, a flanged upper end thereon, said cover plate having an offset upper end portion adapted to fit within the channel and against the inner surface of the front channel, said cover plate being dimensioned as to width to fit at its edges against the flanges.

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