June 17, 1930. D. N. ROSS 1,763,674

MEANS FOR SECURING NAME PLATES

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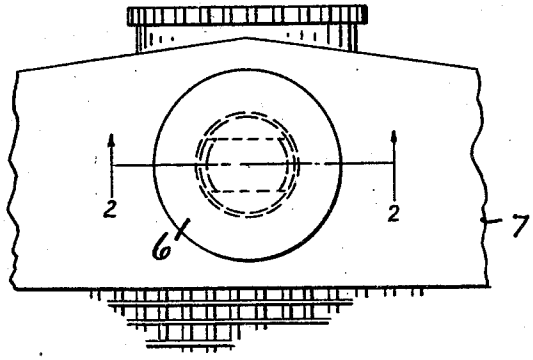


Fig. 1.

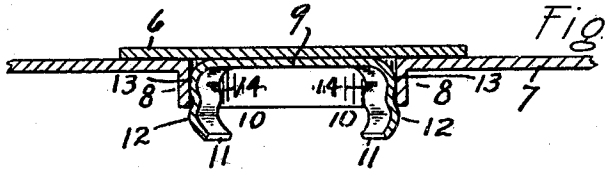


Fig. 2.

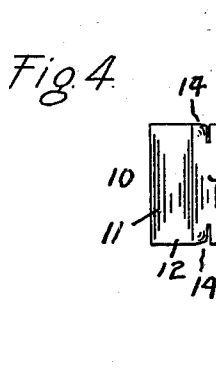


Fig. 4

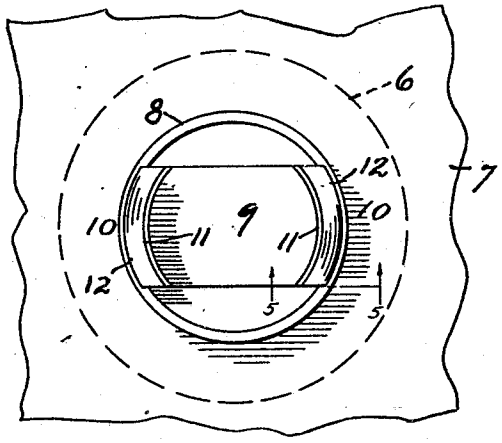


Fig. 3.

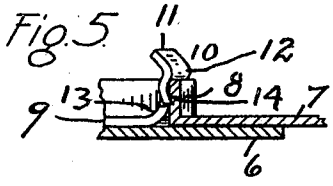


Fig. 5

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UNITED STATES PATENT OFFICE

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MEANS FOR SECURING NAME PLATES

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The object of this invention is to provide means for attaching a name-plate or other device securely in position on the front of a radiator housing or the like by pressing a gripping device into an opening in the housing.

Another object is so to form the gripping device that the opening may be readily found and the gripping device properly entered while the opening is hid by the over-extending plate.

A further object is to prevent movement of the gripping device and attached name-plate, diametrically of the opening in the radiator housing, and the object, also, is to prevent rotary movement of the gripping device and attached name-plate.

I accomplish the above, and other objects which will be hereinafter disclosed, by the device illustrated in the accompanying drawing, in which—

Fig. 1 is a fragment in front elevation of a radiator and housing showing my invention operatively applied.

Fig. 2, is a section on the line 2—2 of Fig. 1, on a larger scale.

Fig. 3, is a reverse or inside view of the radiator housing and name-plate shown in Fig. 1.

Fig. 4, is an edge view of the name-plate with my attached gripping device; and

Fig. 5, is a fragment, in section, showing the radiator front opening, and my invention separately assembled in said opening.

Like characters of reference indicate like parts throughout the several views of the drawing.

The name-plate 6 is here shown as attached to a radiator shell 7 having a circular opening surrounded by an inturned sleeve 8. The name-plate 6 is considerably larger in diameter than that of the sleeve, and soldered or otherwise permanently attached to the back of the name-plate is a cross bar 9 of resilient metal, having its two ends turned generally at right angles therewith, forming the legs 10, 10, alike in size and shape except that they are reversed on account of being on opposite sides, and with this difference in mind a description of one leg will apply to both.

The legs 10, are curved in the direction of their widths to conform with the curvature of the sleeve 8 in which sleeve they are designed to telescope. The ends 11 of the legs are bent inwardly far enough to form finding members that will readily enter the bore of sleeve 8 in the operation of placing a name-plate and aid such operation if the plate should be of such diameter as to tend to cover and hide the bore as the name-plate is applied to the automobile. Inwardly of each in-bent end 11, is a transverse outside bead or corrugation 12, which, taking the two tongues together, has a diameter greater than that of the sleeve to snap over the edge of the sleeve in the manner shown in Figs. 2 and 3, and lock the name-plate on the radiator front.

Between the bead 12, and the cross-bar 9, on each leg, is a second outside bead or corrugation 13, similar to the outer one 12, but of less projection. The two legs where the corrugations 13 occur make a close sliding fit in the bore of sleeve 8, to prevent edge movement of the name-plate and also to hold the four barbs 14, in constant close gripping position relative to the inner wall of the sleeve.

The bars 14 are formed of the sheet metal of the ends of the beads 13. There are four of them as shown and each is turned out and sharpened to cut into the inner wall of sleeve 8, when the legs are forced into the latter to attach a name-plate. Their purpose is to prevent rotation of the legs in the sleeve and of the attached name-plate on the radiator front.

In affixing a name-plate embodying my invention, the plate is held level and its attached legs are moved until the ends of the legs "find" the opening. Then by a direct inward pressure the legs are inserted and due to the resiliency of the legs their beads 12 are snapped over the edge of sleeve 8, whereupon the legs spring apart until arrested by the contact of the beads 13 and their barbs with the wall of sleeve 8.

Having thus fully described my invention

what I claim as new and wish to secure by Letters Patent of the United States, is—

1. The combination of a radiator shell having an opening and an inturned flange, a name plate, a pair of spaced apart resilient legs attached to the inner side of the name-plate, said legs having ends normally at a considerably less distance apart than the distance across the inturned flange, each leg having near its free end a bead formed with an outside face portion normally spaced from the corresponding portion of the other bead a distance greater than the distance across the inturned flange, retaining means on the legs normally making a close fit in the flange and barbs to prevent rotation of the legs in the flange.

2. The combination of a radiator shell having an opening and an inturned flange, a name plate, a pair of spaced apart resilient legs attached to the inner side of the name-plate, said legs having ends normally at a considerably less distance apart than the distance across the inturned flange, each leg having near its free end a bead formed with an outside face portion normally spaced from the corresponding portion of the other bead a distance greater than the distance across the inturned flange, other beads on the legs normally making a close fit in the flange and means in the last beads to prevent rotation of the legs in the flange.

3. The combination of a radiator shell having an opening and an inturned flange, a name plate, a pair of spaced apart resilient legs attached to the inner side of the name-plate, said legs having ends normally at a considerably less distance apart than the distance across the inturned flange, each leg having near its free end a bead formed with an outside face portion normally spaced from the corresponding portion of the other bead a distance greater than the distance across the inturned flange, other beads on the legs normally making a close fit in the flange and barbs formed in the last beads to engage with the walls of the flange and prevent rotation of the legs in the flange.

In testimony whereof I affix my signature.

DAVID N. ROSS.