

Oct. 23, 1934.

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1,977,769

ATTACHMENT FOR WASHING TRAYS

Filed Nov. 25, 1933

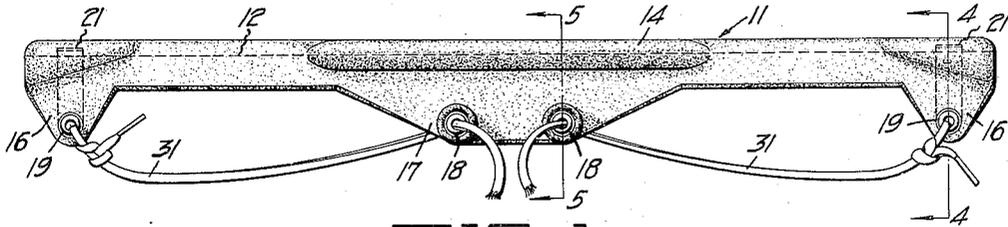


FIG. 1.

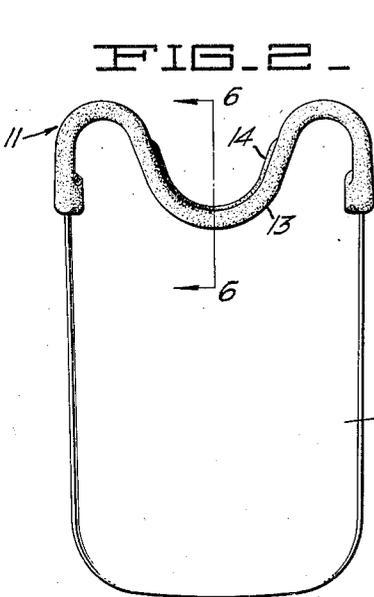


FIG. 2.

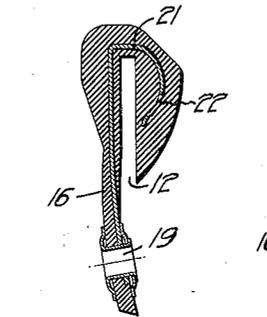


FIG. 3.

FIG. 4.

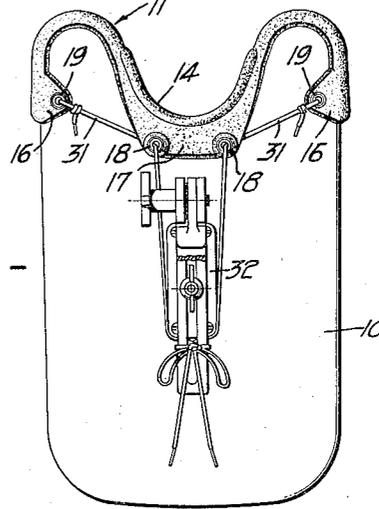
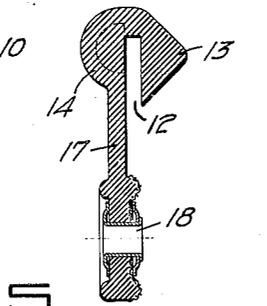


FIG. 5.

FIG. 7.

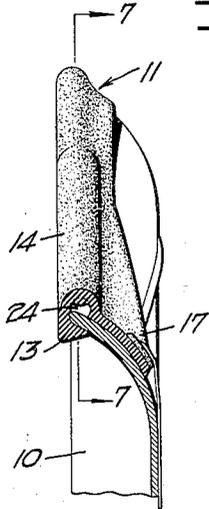
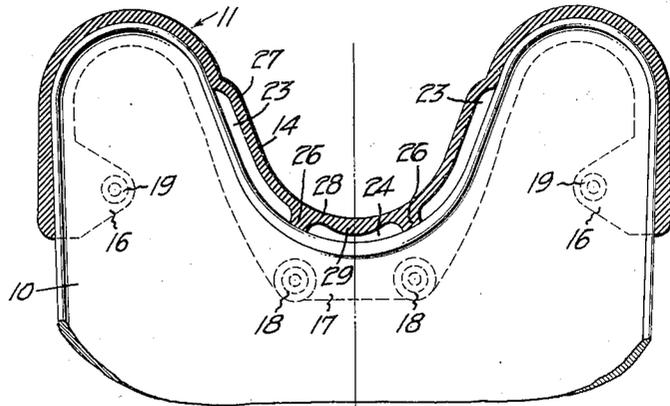


FIG. 6.



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# UNITED STATES PATENT OFFICE

1,977,769

## ATTACHMENT FOR WASHING TRAYS

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Application November 25, 1933, Serial No. 699,799

10 Claims. (Cl. 4—159)

This invention relates generally to devices of resilient material for attachment to the edges of washing trays, particularly portable metal trays, such as are employed in beauty parlors for the washing of hair.

It is an object of the invention to provide a device of the above character which will have universal application to trays of various sizes and structural designs, and which when once applied to a tray cannot be accidentally disengaged.

It is a further object of the invention to generally promote utility of the devices of the above character, not only with respect to adaptability to various types of trays, but also with respect to the comfort afforded to the subject.

Further objects of the invention will appear from the following description in which the preferred embodiment of the invention has been set forth in detail in conjunction with the accompanying drawing.

Referring to the drawing:

Figure 1 is a side elevational view illustrating a device incorporating the present invention, before application to the edge of a washing tray.

Fig. 2 is a plan view showing a washing tray to which the device of Fig. 1 has been applied.

Fig. 3 is a bottom plan view, of the device applied to a washing tray, showing the manner in which the device is retained in proper position upon the tray.

Fig. 4 is a cross-sectional detail taken along the line 4—4 of Fig. 1.

Fig. 5 is a cross-sectional detail taken along the line 5—5 of Fig. 1.

Fig. 6 is a cross-sectional detail, on an enlarged scale, taken along the line 6—6 of Fig. 2.

Fig. 7 is a cross-sectional detail taken along the line 7—7 of Fig. 6.

Referring first to Fig. 2 of the drawing there is shown a typical type of washing tray 10 such as is commonly employed in beauty parlors for the washing of women's hair. The forward end portion of this tray, which is the upper portion as viewed in Fig. 2, has a curved contour which is intermediately recessed to fit about the neck of the subject. Ordinarily this tray is used in an inclined position, adjusted to the back of the neck of the subject, so that water or other liquids applied to the hair are drained down into the tray. It is the edge of this forward end portion of the tray to which my device applies.

Referring now to Fig. 1 my device consists of a body 11, preferably made entirely of resilient material such as soft vulcanized rubber. Extending

the entire length of the body there is a slot 12 which serves to receive the edge of the tray. The side of the body which is to be faced inwardly with respect to the tray is provided with a rib 13 (Fig. 6) in order to minimize splashing back of liquid falling into the tray. An intermediate section of the outer side of the device, that is the side which is intended to contact with the neck of the subject, is provided with a bulge 14 forming a cushion, as will presently be explained.

To afford means for attaching the device to a tray, the body is provided with end and intermediate tabs 16 and 17. These tabs are preferably likewise made of resilient material such as soft vulcanized rubber, integral with the body of the device. Thus as shown in Figs. 4 and 5, the tabs 16 and 17 are extensions from one side of the body, whereby when the device is applied to the tray in the manner shown in Figs. 2 and 3, they underlie the forward end portion of the tray. The intermediate tab 17 is shown provided with a pair of grommets or eyelets 18, while the end tabs 16 are shown provided with single eyelets 19.

It is desirable that the ends of the device firmly grip the edges of the tray, and that they have sufficient strength to enable a considerable pull being applied to the end tabs 16. For this reason, embedded in the end portions of the device, are the strips 21 of spring metal. (Fig. 4.) These spring strips are hookshaped to embrace the slot 12 and are of sufficient length to be engaged by the eyelets 19. The rubber forming the body 11 may be thickened somewhat in the neighborhood of the spring strips 21, as shown in Fig. 4, to afford greater strength. Likewise the spring strips may be provided with one or more apertures 22, to afford more adequate anchorage to the rubber.

The manner in which the cushioning bulge 14 is formed is shown more clearly in Figs. 6 and 7. The wall portion of the body alongside the longitudinal slot 12 is provided with inner recesses or cavities 23 and 24, separate by the integral resilient rubber ribs 26. The wall portions 27 are sufficiently flexible as to be readily distortable, and the wall portion 28 adjacent recess 24 is likewise of reduced dimensions. However the medial part 29 of wall portion 28 is thickened somewhat, to prevent buckling when bent to the relatively sharp curvature required in placing the device upon a tray.

In order to adequately retain the device upon the edge of the tray, I provide means upon the un-

derside of the tray which exerts retaining pull upon the tabs 16 and 17. Thus as shown in Fig. 3, I provide two retaining cords 31 which have their forward ends tied to eyelets 19 of tabs 16, and which extend through the eyelets 18. The underside of the tray, as is usual practice, is provided with a fitting 32 which serves as a part of the tray supporting means. The cords 31 are shown engaged about this fitting and tied together. It will be noted in Fig. 3 that the length of the device is such that, when applied to the forward end portion of the tray in a manner shown in Fig. 3, the line of centers of eyelets 19 is spaced forwardly from the line of centers of eyelets 18. Thus the pull exerted by each of the cords 31 upon the tabs 16 is both inwardly and downwardly (as shown in Fig. 3) and the pull exerted upon each of the eyelets 18 is downwardly and outwardly. Pull exerted in this manner serves most effectively to retain the device upon the edge of the tray so that no part thereof can be displaced without first loosening cords 31.

The manner in which my device is used in practice will be evident from the above description. The operator first engages the device with the edge of the tray, taking care that the tabs 16 and 17 extend upon the underside, and that the edge of the tray is well seated within the longitudinal slot 12. During this operation the device is readily bent to the particular contour which the forward edge of the tray presents. Cords 31 are then slipped through eyelets 18, pulled taut about fitting 32, and tied.

As has been previously mentioned it is characteristic of my device that it is universally applicable to all washing trays of this particular character. In the type of tray illustrated no edge beading is employed, but the cords 31 retain the device in its desired position, although without such cords the device could be readily displaced. If the tray is provided with a beaded edge, or with an edge having a distinct depending lip, the device can be applied equally as well, since slot 12 can be readily spread to accommodate different edge constructions, and since frictional engagement is not relied upon of itself to retain the device in proper position. It is also characteristic of my device that while it is relatively rugged and of universal application, that portion which is pressed against the subject is soft and yieldable to promote comfort.

I claim:

1. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot to enable positioning of the same upon the edge of said end portion, and means upon the underside of the tray for applying a retaining pull upon the intermediate and end portions of the body, the pull being applied in a rearwardly direction to the intermediate portion of the body and in an inwardly and rearwardly direction with respect to the end portions of the body.

2. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot to enable positioning of the same upon the edge of said end portion; tabs secured to the intermediate and end portions of said body and adapted to extend along the un-

derside of the tray, and means upon the underside of said tray for applying retaining pull upon said tabs.

3. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot extending throughout its length to enable positioning of the body upon the edge of said end portion, tabs secured to the intermediate and end portions of said body and adapted to underlie the tray, and cords for exerting retaining pull upon said tabs, said cords having a slip engagement with the intermediate tab and having their ends secured to the end tabs.

4. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot extending throughout its length to enable positioning of the body upon the edge of said end portion, tabs secured to the intermediate and end portions of said body and adapted to underlie the tray, said tabs being provided with eyelets for engagement with retaining cords, the line of centers of the eyelets in the end tabs being spaced forwardly with respect to the eyelets in the intermediate tabs.

5. A device for application to wash trays of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot to enable positioning of the same upon the edge of said end portion, one wall of said body alongside said slot being recessed on its inner side to afford cushioning.

6. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot to enable positioning of the same upon the edge of said end portion, one wall of said body alongside said slot being provided with longitudinally extending recesses separated by integral resilient ribs, whereby better cushioning effect is afforded for an intermediate section of the body.

7. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed contour to fit about the neck, an elongated body of resilient material, said body being provided with a longitudinal slot to enable positioning of the same upon the edge of said end portion, one wall of said body alongside said slot being bulged outwardly and provided with longitudinally extending inner recesses separated by integral resilient ribs, whereby a cushion is afforded for the intermediate section of the body.

8. A device for application to a wash tray, comprising an elongated body of resilient material, said body being provided with a longitudinal slot to enable positioning of the body upon the edge of said tray, and clips of resilient metal embedded in the end portions of said body, said clips serving to reinforce and stiffen the walls on opposite sides of said slot at the ends of said body.

9. A device for application to a wash tray of the type in which the forward end portion thereof has a curved and intermediately recessed con-

5 tour to fit about the neck, an elongated body  
 of resilient material, said body being formed to  
 enable positioning of the same upon the edge of  
 said end portion, and means upon the underside  
 of the tray for applying a retaining pull upon  
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 the pull being applied in a rearward direction to  
 the intermediate portion of the body and in an  
 10 inward and rearward direction with respect to  
 the end portions of the body.

10 10. A device for application to a wash tray of  
 the type in which the forward end portion there-

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 said end portion, tabs secured to the intermediate  
 and end portions of said body and adapted to  
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 taining pull upon said tabs, said cords having a  
 slip engagement with the intermediate tab and  
 having their ends secured to the end tabs.

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