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2,599,152

BEAUTY SHIELD

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Fig. 1

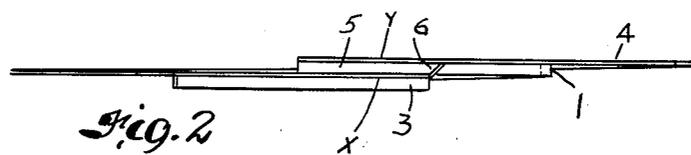


Fig. 2

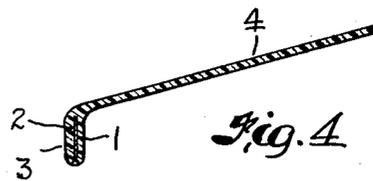


Fig. 4

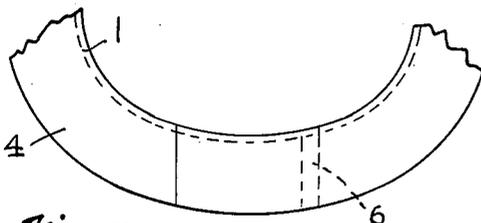


Fig. 3

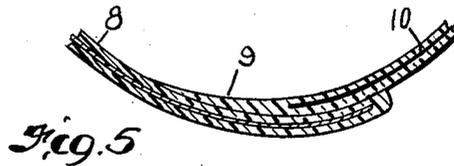


Fig. 5

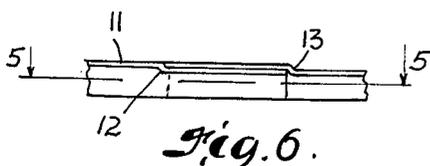


Fig. 6

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BEAUTY SHIELD

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3 Claims. (Cl. 2-174)

1 The present invention relates generally as indicated to a beauty shield and more particularly to a shield which is in the form of a unitary split ring with overlapped ends and adapted to be snugly fitted around the head and neck of a person while shampooing, dyeing, drying, cold-waving or otherwise treating the hair to guard against running of the soap or other hair-treating liquids down the face and into the eyes and onto the clothing of the person and to obviate the necessity of employing cumbersome and uncomfortable towels around the neck, head, and shoulders as is the present practice in beauty parlors and barber shops. The shield constituting the present invention is also adapted for other uses, for example, as a sunshade or visor and as an accessory to hold the hair in place.

Accordingly, it is one principal object of this invention to provide a shield of the character indicated which is of simple form and economical to manufacture and which is adjustable to snugly fit over a variety of sizes and shapes of heads without the necessity of employing buckles, ties, snaps or like fastening means.

Another object of this invention is to provide a beauty shield which is of a split annular form including a resilient flange along its inner marginal edge adapted to yieldably engage around the entire head of the wearer and thus form a fluid seal to preclude running of hair-treating solutions down the face and neck.

Another object of this invention is to provide a beauty shield which is fabricated from acid and alkali-resistant material so as not to be deteriorated by the hair solutions coming in contact therewith and which is fabricated from material which may be readily sterilized so as not to require the same to be discarded after each use.

Another object of the invention is to provide a beauty shield which is of a split-ring form in which the ends overlap and are provided with novel sealing means to preclude leakage of hair solutions therebetween.

Another object of this invention is to provide a shield having a resilient brim thereon which is warped or deformed to generally frusto-conical form when the shield is fitted over the head whereby to yieldably hold the inner marginal edge snugly around the head.

Other objects and advantages will become apparent from the following description.

To the accomplishment of the foregoing and related ends, said invention then comprises the features hereinafter fully described and particularly pointed out in the claims, the following description and the annexed drawing setting forth in detail certain illustrative embodiments of the invention, these being indicative, however, of but a few of the various ways in which the principle of the invention may be employed.

2 In said annexed drawing:

Fig. 1 is a side view of a beauty shield constituting the present invention, said shield being shown in a preferred position around the head and neck of a person;

Fig. 2 is a front elevation view of the shield illustrated in Fig. 1;

Fig. 3 is a fragmentary top plan view of the front portion of the shield;

Fig. 4 is a cross section view, on a somewhat enlarged scale, taken substantially along the line 4-4, Fig. 1;

Fig. 5 is a fragmentary cross section view, on a somewhat enlarged scale, such section having been taken longitudinally through the flange of a modified form shield as represented by the line 5-5, Fig. 6; and

Fig. 6 is a fragmentary front elevation view of the shield illustrated in Fig. 5.

Referring now more particularly to the drawing and first to Figs. 1 to 4, the shield, as therein illustrated, comprises a resilient split inner marginal flange 1, said flange including, for example, a strip of spring metal 2 (see Fig. 4) and a surrounding elastic jacket or cover 3 of rubber or rubber-like material. Extending outwardly from said flange 1 is a split annular brim 4 of relatively thin plastic or like material which is self-supporting to the extent that no reinforcing ribs, wires or the like are required to prevent drooping thereof in its operative position around the head of a person. Both said flange 1 and said brim 4 are preferably made of acid and alkali-resistant and sterilizable material to enable frequent use of the shield.

Attachment of said flange 1 and said brim 4 together may be effected in any of a number of different ways such as with an adhesive or an integral brim and flange may be employed and then by application of heat and pressure the flange may be molded around a spring metal insert 2. Said flange 1 is preferably about $\frac{1}{8}$ " thick and about $\frac{3}{8}$ to $\frac{1}{2}$ " wide whereby to be capable of forming an efficient seal around the head without exerting excessive pressure.

The ends of said flange 1 and said brim 4 overlap and, in the form of the invention illustrated in Figs. 1 to 4, the overlapping ends are on top of each other whereby a space 5 is formed between the overlapping ends of said brim. Such space 5 is closed as by forming the bottom end designated x in Fig. 2 of said brim with an upturned extension 6 which yieldably engages the bottom face of the upper end y of the brim. Said spring insert 2 is so made that it constantly tends to hold the overlapping ends of the flange 1 together and similarly to yieldably press the brim end and the extension 6 together to thus preclude leakage of the hair-treating solutions therebetween.

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Said flange 1 and brim 4 thus constitute a split ring which has an inner marginal edge defining an opening of generally elliptical shape and of size somewhat smaller than the head so that when said shield is expanded over the head as in Fig. 1 with the overlapping ends at the forehead and below the hairline and with the sides disposed below the ears and with the rear portion extending around the nape of the neck and also below the hairline, the resulting expansion of said flange 1 to snugly fit the head will cause the brim 4, which is of normally-flat form to be warped to generally frusto-conical form as shown to define an annular receptacle inclining downwardly toward the back of the neck. With the shield thus positioned over the head, the hair may be shampooed, rinsed, dyed, waved or otherwise treated and the liquids which are used will run inwardly toward the head and downwardly toward the back and will be discharged from the rear edge of the brim 4 into a suitable receptacle as provided for example by the drain-board 7.

It is to be noted that with the shield thus expanded and fitted over the head, the warped or deformed brim 4 has a tendency to return to its initial unexpanded form whereby to exert a contracting force to hold the flange 1 snugly engaged around the head, such contracting force being in addition to that exerted by spring member 2 or in lieu of the latter if said spring member is omitted.

In any case, the snug fit of flange 1 around the head and neck will provide a fluid-tight seal to prevent running of the hair-treating liquids down the face and neck and onto the clothing of the wearer. Also, the seal formed between the overlapping ends of the shield will preclude such leakage of the liquids.

If desired the shield may be inverted so that the flange 1 extends upwardly from the brim 4 in which case the brim will be snapped oppositely with respect to said flange. In such inverted position the extension 6 will again seal the overlapping ends of the brim 4.

For beach wear or use of the shield other than as indicated above, the brim 4 may be snapped downwardly if desired, but if the shield is worn as shown in Fig. 1, the brim 4 will hold the hair in place.

Instead of the ends of the flange being overlapped one above the other as in Figs. 1 to 4, they may be circumferentially overlapped as in the flange 8 in Figs. 5 and 6 with the inner end tapered to a thin feather edge 9 beyond the end of the spring metal insert 10 whereby the inner face of said inner end of the flange 8 will readily conform with and seal against the forehead and the outer surface of such inner end will seal against the inner face of the outer end of said flange. As in the Figs. 1 to 4 construction, the overlapping ends of the brim 11 in Figs. 5 and 6 are overlapped and are preferably offset as at 12 and 13 so as to be held by the spring band 10 in yieldable contact with each other to establish a fluid seal in all expanded positions of the shield. Here again, the brim 11 will assume a generally frusto-conical form when the shield is expanded to maintain a yieldable engagement of the flange 8 around the head.

The forms of the invention herein disclosed are, of course, to be regarded as merely typical and therefore the particular form of flange including a spring metal band therein may be variously modified. For example, instead of a

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spring metal strip or band as shown, it is possible to substitute a coiled wire or to omit the spring metal insert altogether and in lieu use a material which has the desired elasticity and resilience so as to form a comfortable seal around the head and capable of conforming to different sizes and shapes of heads. Moreover, said flange in some instances may simply comprise an elastic cushioning and sealing band and the contracting force to retain the band in snug, sealed engagement around the head obtained through the resilience of the warped or deformed brim in tending to restore itself to a normally unexpanded form.

Other modes of applying the principle of the invention may be employed, change being made as regards the details described, provided the features stated in any of the following claims or the equivalent of such be employed.

I, therefore, particularly point out and distinctly claim as my invention:

1. A beauty shield in the form of a unitary, flat, split brim of resilient water-proof material having overlapped end portions and designed to be fitted around the head of a wearer to expose the hair for treatment with shampooing, waving, and like liquids and to seal around the head to protect the face and neck from such liquids, said brim including an elastic, relatively soft inner marginal edge of shape to embrace the head of the wearer and of size smaller than the head of the wearer thereby requiring expansion of said brim when fitted around the head of the wearer, said brim when thus expanded being automatically warped to generally frusto-conical form and yieldably tending to assume its flat unexpanded condition so as to effect snug sealed engagement of such inner marginal edge thereof about the head, the overlapped end portions, in the normal flat condition of said brim, being resiliently held in contact with each other.

2. The beauty shield of claim 1 wherein such inner marginal edge is in the form of a flange projecting transversely from said brim and having end portions overlapped in sealed contact, one above the other, an end portion of said brim being disposed to make sealed contact with the other end portion of said brim.

3. The beauty shield of claim 1 wherein such inner marginal edge is in the form of a flange projecting transversely from said brim and having end portions which are circumferentially overlapped in sealed contact with each other and the inner one of such end portions being tapered circumferentially to a feather edge so as to provide a smoothly curved inner marginal edge conforming to the shape of the head over which said brim is adapted to be fitted.

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