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2,447,215

SHIELD

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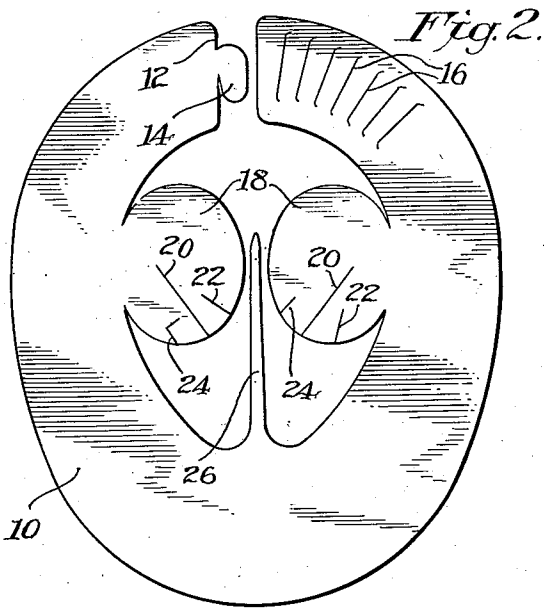
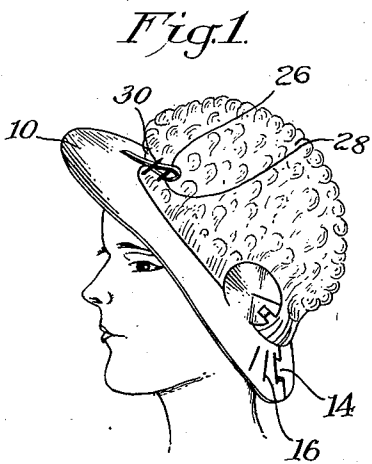


Fig. 3

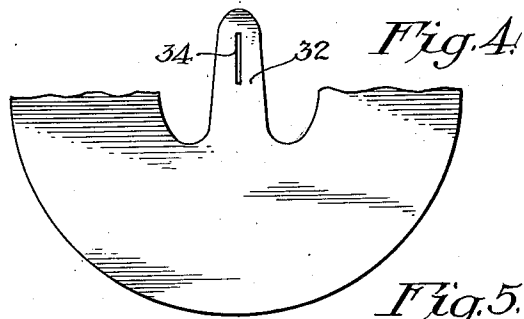
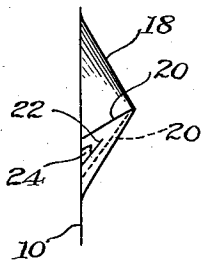
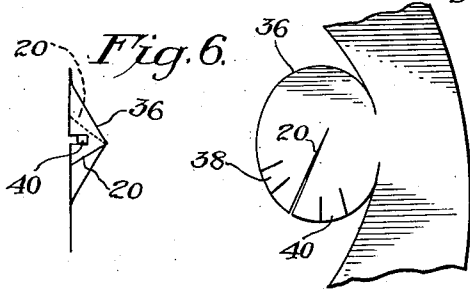


Fig. 5



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UNITED STATES PATENT OFFICE

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SHIELD

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My invention relates to shields and more particularly to shields applicable for protecting the person while subjecting the hair to hot air from the common drier used in beauty parlors.

An object of my invention is to provide a shield of such shape as to effectively cut off the flow of hot air at the hair line, permitting full utilization of the drying effect of the hot air upon the hair, while preventing the passage of said hot air over the face and neck lest the person be burned or the skin parched.

Another object of my invention is to provide on my shield means by which the ears are similarly protected.

A further object of my invention is to provide said shield with adjustable features whereby said shields may be of the same size but adaptable to fit different persons.

Another object of my invention is to provide my shield as a flat, cut out paper form when not in use, being thus adapted for easy packing and storing.

Another object of my invention is to provide said shield simply constructed of a flat, cut out sheet of paper having no strings, hooks, and the like, and being adapted for use with one or at the most two simple bobby pins. By virtue of this feature I am able to supply said shields in great quantity at insignificant cost and in manner extremely inexpensive to the customer or beauty parlor operator.

Other objects and advantages of this invention, it is believed, will be apparent from the following detailed description of a preferred embodiment thereof as illustrated in the accompanying drawings.

Figure 1 is a perspective view of one embodiment of my shield shown as used by the wearer.

Figure 2 is a plan view of the shield as it appears unworn.

Figure 3 is a side view of the ear cover shown in Figure 2 in assembled form.

Figure 4 is a plan view of a modification of the attachment device shown in Figure 2.

Figure 5 is a plan view of a modification of the ear cups shown in Figure 2.

Figure 6 is a side view of the ear cups shown in Figure 5 in assembled form.

Referring to the drawings, a blank piece of heavy paper or other suitable material is cut or stamped out to the form shown in Figure 2 whereby is provided the split, semi-oval ring 10, the inner-circumference of which is shaped to fit closely the ordinary head at approximately the hair line. At the margin 12 is provided the

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tongue 14 which is adapted to co-act with slits 16 for closing the ring to form a substantially frustro-conical shape cutting off the flow of air at the hair line, as shown in Figure 1. A number of slits 16 are provided by means of which adjustment to varying head sizes is permissible.

Extending from the inner-circumference of the split ring 10 are ovals which form ear cups 18, said ear cups 18 having slits 20 cut therein which permit overlapping of the surfaces thereof to form cones as shown in Figure 3. Adjacent said slits 20 are the shorter slits 22 which converge slightly from the parallel in relation to said slits 20. For co-acting with said slits 22 are cut the flaps 24. When the surfaces of the ear cups 18 are over-lapped, flaps 24 engage slits 22, preserving the conical shape of said ear cups.

Extending from the inner-circumference of the ring 10, opposite the tongue 14, is the strap 26. The strap 26 is provided to enable the fastening of the shield to the hair by use of bobby pins. Were this strap 26 not provided, the force of the hot air coming from the drier, in addition to the possibility of striking the shield, would tend to displace said shield from the proper position about the hair. As shown in Figure 1, the strap 26 lies on top of the hair to which it is fastened by a bobby pin 28, is folded back, and another bobby pin 30 grasps hair and strap to hold the shield firmly in position.

Where the use of but one bobby pin is desired, strap 26 may be modified, as is shown in Figure 4, to provide the stub 32 having a slit 34. The stub 32 merely lies atop the hair while a bobby pin grasps hair and stub, passing through slit 34 to hold the shield firmly in place.

Figures 1, 5 and 6 show in operative position a modified form of the ear cups 18. In this adaptation, the oval 36 has slit 20, as do the ear cups 18. In addition, the flaps 38 and 40 are provided, which, as shown in Figure 6, together fold over to preserve the conical shape.

When the shield is utilized as in Figure 1, it will provide protection to the eyes, face, ears, and neck while permitting the user to read, knit, and the like during the drying operation.

Having fully described my invention, it is to be understood that I do not wish to be limited to the details herein set forth, but my invention is of the full scope of the appended claims.

I claim:

1. A device of the class described comprising: a split annular ring; means on said ring for closing said ring in substantially frustro-conical shape; ear cups on said ring; and an integral

projecting element on said ring extending between the ear cups for attaching said ring to the head.

2. A device of the class described comprising: an annular divided ring; means for closing said ring to form a substantially frusto-conical shield; means for securing said shield about the hair line; and ear cups extending from said ring having slits therein permitting the over-lapping of said cups to assume a substantially conical shape.

3. A device of the class described comprising: an annular divided ring; means for closing said ring to form a substantially frusto-conical shield; means for securing said shield about the hair line; and ear cups extending from said ring having slits therein permitting the over-lapping of said cups to assume a substantially conical shape, further slits in said ear cups, and flaps cut in said ear cups adapted to co-act with said slits to hold said ear cups in conical shape.

4. A device of the class described comprising: an annular divided ring; means for closing said ring to form a substantially frusto-conical shield; means for securing said shield about the hair line; and ear cups extending from said ring having slits therein permitting the over-lapping of said cups to assume a substantially conical shape, and flaps cut on either side of said slits adapted to co-act to hold said ear cups in said conical shape.

5. A device of the class described comprising a split annular ring; means on said ring for closing said ring in a substantially frusto-conical shape; ear cups formed integrally on said ring, said ear cups having slit means for changing said ear cups from flat shape to cup shape, and a projection on said ring remote from the closing means for attaching said ring to the head.

6. A device of the class described comprising: a split annular ring; means on said ring for closing said ring in a substantially frusto-conical shape; ear cups formed integrally on said ring, said ear cups having slit means for changing said ear cups from flat shape to cup shape, and an element formed integrally with the ring projecting inwardly therefrom symmetrically between said ear cups adapted to facilitate the support of the ring on the head.

7. A device of the class described comprising: an annular divided ring; means for closing said ring to form a substantially frusto-conical shield, and ear cups extending from said ring having slits therein permitting the overlapping

of said cups to assume a substantially conical shape.

8. A device of the class described comprising: a flat paper divided ring; means for connecting adjoining ends of the divided ring to encircle the head of a wearer; and a long narrow paper strap formed integrally with the ring projecting inwardly therefrom to a position near the center of the ring and adapted to facilitate the support of the ring on the wearer's head, and ear cups on the ring positioned on opposite sides of the strap.

9. A device of the class described comprising: a flat paper divided ring; means for connecting adjoining ends of the divided ring to encircle the head of a wearer; a paper strap formed integrally with the ring projecting from the inner circumference thereof and adapted to facilitate the support of the ring on the wearer's head; and ear cups located symmetrically with respect to said strap formed integrally with the ring.

10. A device of the class described comprising: a flat annular divided ring; means for connecting adjoining ends of the divided ring to encircle the head of a wearer; and a stub extending radially inwardly from the inner circumference of said divided ring and having a radial slit formed therein.

11. A device of the class described comprising: a flat annular divided ring; means for connecting adjoining ends of the divided ring to encircle the head of a wearer; a stub extending radially inwardly from the inner circumference of the divided ring and having a radial slit formed therein; and ear cups formed integrally with the ring and disposed symmetrically with respect to the stub extending from the inner circumference of said annular ring.

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