June 17, 1952 T. S. CANCELL 2,600,392

SHAMPOO DEVICE

Filed Dec. 4, 1945

Fig. 1.

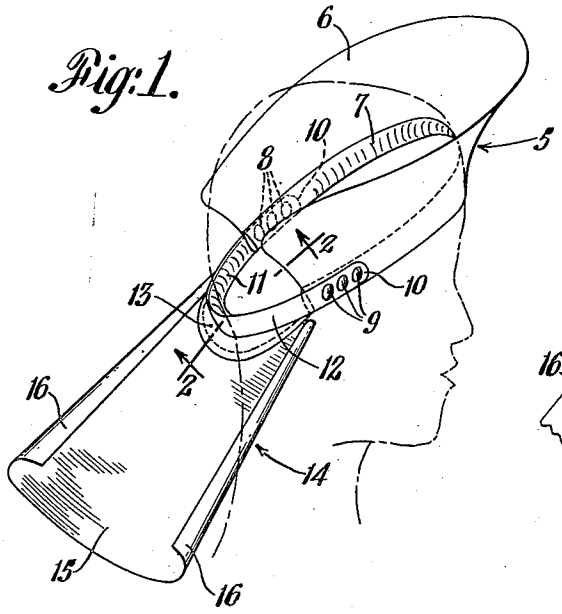


Fig. 2.

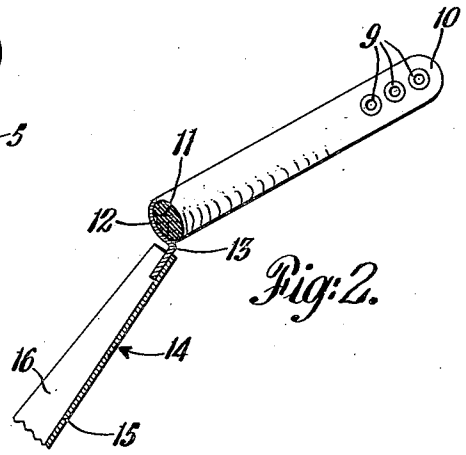


Fig. 3.

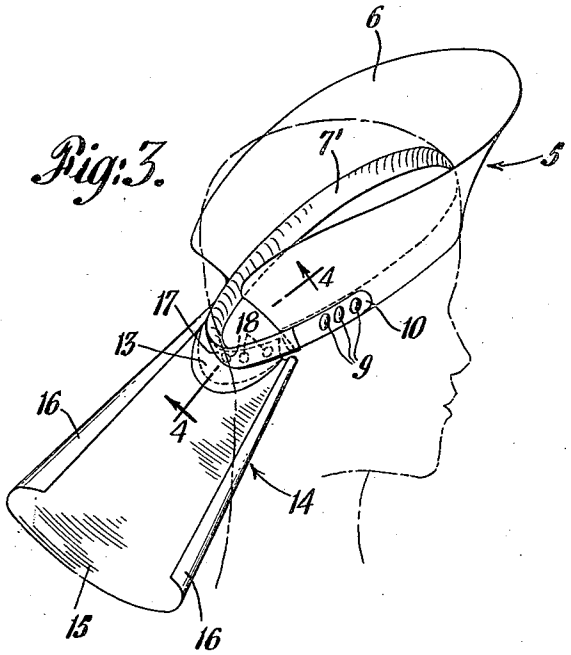
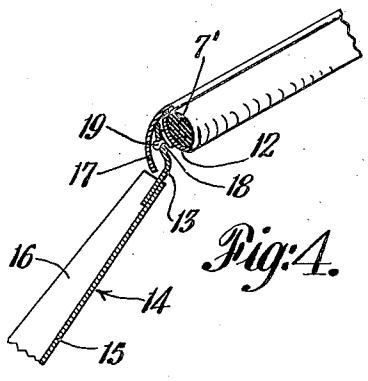


Fig. 4.



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SHAMPOO DEVICE

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4 Claims. (Cl. 4—159)

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This invention relates to an improved shampoo shield designed for home use or in beauty parlors, barber shops and the like.

It is one of the objects of the invention to provide an improved shield which may be adjustably applied about the head of a child or adult below or adjacent the hair line so as effectively to prevent soap suds or water from running down over the face and into the eyes or ears or dripping onto the clothing of the wearer.

It is a further object of the invention to provide, in combination with a shampoo shield, a water run-off trough or apron that is attached or attachable to the shield in position to receive the overflow of wash water and to lead it to a wash basin or other point of disposal without dripping upon the clothing of the person being shampooed or upon the floor and which at the same time permits the wearer to sit upright without discomfort.

It is a still further object of the invention to provide a combination shampoo shield and water run-off apron whereof the shampoo shield may be easily adjusted to heads of different sizes while maintaining the run-off apron properly centered with respect to the shield.

Still other features of the invention reside in the provision of improved sealing means encircling the shield and in the use of relatively inexpensive, light synthetic plastic materials to form elements of the complete structure.

Further advantages and objects of the invention will appear as the description proceeds.

Fig. 1 is a perspective view of one form of device embodying the invention, shown as applied to the head;

Fig. 2 is a detail sectional view on the line 2—2 of Fig. 1;

Fig. 3 is a perspective view of a modified form of device embodying the invention, shown as applied to the head likewise as in Fig. 1; and

Fig. 4 is a detail sectional view with parts broken away taken on the line 4—4 of Fig. 3.

In the embodiment of the invention represented by Figs. 1 and 2, 5 designates generally the shampoo shield comprising an upwardly extending, outwardly flaring member 6 which is preferably made of a light, relatively stiff but bendable material such as a suitable plastic, for example, one of the cellulose derivatives, cellulose nitrate and cellulose acetate. Various other plastic materials such as appropriately plasticized urea-formaldehyde resins, methacrylate resins and vinyl resins may also be used. The plastic material may be suitably pigmented or left in its

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natural state of transparency or color as the case may be.

As shown in Fig. 1, the shieldmember 6 is attached along its lower edge to a first portion 7 of a sealing band or strip preferably made of sponge rubber or similar soft resilient material and capable when drawn around the head of conforming closely to the contour of the head without exerting undue pressure and causing discomfort to the child or other individual being subjected to a shampooing treatment. The sealing band also includes a second portion 11, of similar construction, which is adapted to extend between the ends of the portion 7 and to overlap those ends. In the form of the device shown in Fig. 1, the sealing band portion 7 is separate from the portion 11 and terminates at the rearward edges of the shield member 6 and is provided with a series of attaching members 8, 8 on each side. These members 8, which may be ordinary snap fasteners, are adapted to be brought into fastening engagement with the complementary members 9, 9 carried at the ends 10 of the portion 11 which is adhered or otherwise secured to a backing strip 12 of fabric, soft rubber sheeting or other suitable flexible material.

As shown in Fig. 1, the backing strip 12 forms a continuation of a flexible attachment portion 13 of the tray 14. It will be understood that the attaching members 8, 8 and 9, 9 provide for adjustment of the length of the two-piece sealing sealing band or strip 7, 11 to the size of the head of the particular individual and at the same time make it possible to keep the tray 14 centered with respect to the shield. Besides the attachment portion 13, the tray 14 comprises a stiff trough-like member 15 curved up at the sides as at 16 to guide the water used in the washing or shampooing operation along the trough to the wash basin or other point of disposal, while at the same time preventing draining of the water onto the clothing or down the neck of the individual being shampooed. The member 15, likewise as the member 6, may be formed of a suitable synthetic plastic or resinous material. The attachment gusset 13 may be formed of any suitable pliable sheet material, such as, for example, a waterproofed fabric or rubber sheeting.

According to the modifications of Figs. 3 and 4, the first and second portions have an integral connection on one side to form the complete sealing band or strip 7' shown as extending in one piece beyond the rearward edges of the shield member 6 and provided with a single attachment portion 10 carrying fastening members 9, 9 adapt-

ed to be brought into fastening engagement with the complementary fastening members 8, 8 carried at one side of the shield member 6. In this modification the tray 14 is detachable from the rearward portion of the band 7'. In order to provide a sealing connection between the tray 14 and the band 7', the band 7' along its rearward section is provided with an overlapping strip 17 which may be a continuation of the backing strip 12. The flexible attachment portion 13 of the tray 14 is provided with a row of eyelets 18 along its upper edge and is adapted to be inserted underneath the strip 17 and attached to the sealing strip 7' through interengagement of the eyelets with the fasteners 19 carried by the member 12. It will be understool that a sufficient number of the fasteners 19 are provided to permit of adjustment of the tray 14 laterally to insure proper centering in conformity with the positioning of the member 7' which will vary depending on the size of the head and the consequent adjustment of the position of the end 10 with respect to the fastening members 8, 8 and 9, 9.

In either of the modifications shown it will be understood that the rear portion of the sealing band, whether it takes the form of the separate member 11 of Fig. 1 or the continuation of the single strip 7' of Fig. 2, serves to catch the water that may run down the scalp toward the nape of the neck and acts as a weir over which excess water may flow into the tray 14. While the shield 6 is shown as terminating rearwardly about in line with the ears, it will be understood that it may be carried further back if desired or even be continuous providing an opening is left for discharge of the water over the rear portion of the sealing band. Various other changes in the details of the construction may be made without departing from the invention, which is not to be deemed as limited otherwise than as indicated by the appended claims.

I claim:

1. In a device of the class described, an upwardly extending shield adapted to extend about the head of a person being shampooed, a sealing band secured along the lower edge of said shield and having a portion adapted to be adjustably fastened to another portion of said band to bring the band into close fitting and encircling engagement with the head at or adjacent the hairline, a water run-off apron, means for detachably securing said apron in centered position with respect to said sealing band and said shield throughout the range of adjustment of size of said band so as to receive wash water draining from the hair of the person being shampooed and to conduct same to a point of disposal and means for preventing leakage through said securing means.

2. In a device of the class described, a resilient one-piece band having its ends adjustably attachable to each other so as to encircle completely and engage closely the head of the wearer substantially at the hair line, a shield attached at its lower edge to a portion of said band and extending upwardly therefrom, the ends of said shield defining an opening for the discharge of water draining from the head of the wearer, a

run-off apron, and an adjustable leakproof connection between the run-off apron and that portion of the band adjacent said opening, so that said apron may be adjusted along said band to accommodate different adjustments of the band length.

3. In a device of the class described, an upwardly extending shield adapted to partially encircle the head of a person being shampooed, a sealing band adapted to completely encircle the head, said band having a first portion sealingly secured to the lower edge of said shield throughout the length thereof and a complementary portion having at least one end adapted to overlap one end of said first portion, cooperating attaching members on said overlapping ends selectively engageable with different lengths of overlap to adjust the size of the band and bring it into close fitting and encircling engagement with the head adjacent the hairline, a water run-off apron, and means including said complementary portion of the sealing band for securing the apron substantially in centered position with respect to the ends of said shield throughout the range of adjustment in size of said band so as to receive water draining from the head of the person being shampooed and guided to the apron by the shield.

4. In a device of the class described, an upwardly extending shield adapted to partially encircle the head of a person being shampooed, a sealing band adapted to completely encircle the head, said band having a first portion sealingly secured to the lower edge of said shield throughout the length thereof and a complementary portion having one end adapted to overlap one end of said first portion, cooperating attaching members on said overlapping ends selectively engageable with different lengths of overlap to adjust the size of the band and bring it into close fitting and encircling engagement with the head adjacent the hairline, a water run-off apron, said complementary portion being adapted to engage the back of the head and constituting a water overflow weir, a rearwardly and downwardly extending drip member sealingly attached to said complementary portion, attachment members fixed to said complementary portion and concealed beneath said drip member, and attachment members carried by the edge of the run-off apron and selectively engageable with different attachment members on said complementary portion to center the apron with respect to the shield throughout the range of adjustment in size of said band.

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