

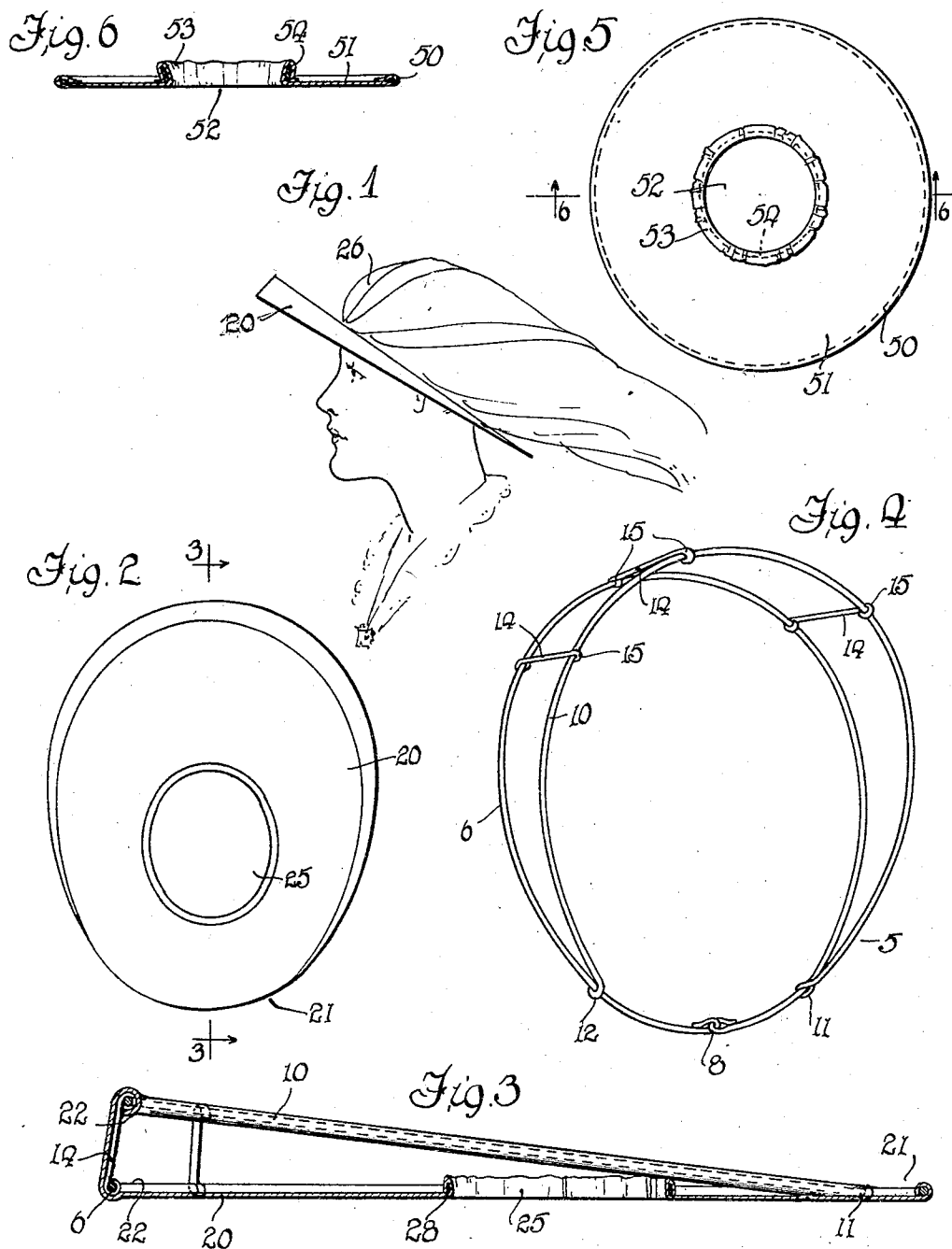
May 19, 1931.

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1,806,155

SHAMPOO CAP

Filed April 12, 1930



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UNITED STATES PATENT OFFICE

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SHAMPOO CAP

Application filed April 12, 1930. Serial No. 443,901.

This invention relates to improvements in shampoo shields and the like.

One object of the invention is the provision of a shield of this sort, in the nature of a cap, that can be conveniently applied to and removed from the head and which will when applied prevent the suds, water or other fluid from running down over the face and into the eyes and which will also prevent running down onto the clothes or other parts of the person wearing the shield.

Another object is the provision of a device which will perform these functions with the head in an upright position, thereby permitting an easy and comfortable sitting position of the person during the shampoo or other treatment.

Another object is the provision of a device of simple, inexpensive and sturdy construction which will, when applied, not irritate the head and which will support itself to at all times properly drain off the soap suds and water or other fluid so that the same will not reach the face, eyes, clothes or other parts of the person. Additional holding means with its increased weight, expense and complications in attaching and removing and in securing the desired snug fit on the head are all avoided.

Another object is the provision of a device which, when in place, will not only not interfere with the shampooing or other treatment of the head but which will also not interfere with treatment of the face with the shield on the head, but will permit such treatment with the shield in place when desired.

To the foregoing ends I provide a shield of rubber sheeting, fabric or other suitable material impervious to the passage of water. The shield is provided with an opening to fit over the head and a brim extends radially from the opening and entirely in the same plane, when in use, to properly shield the face and clothing without interfering with the treatment of the head and without hanging down over and interfering with treatment of the face which is often desirable with the shield in place. An upstanding portion may be provided about the edge of

the brim to prevent the liquid from running over the edge of the brim. Where an upstanding portion is provided about the brim an opening in the upstanding portion or a space between the opposite ends of the upstanding portion may be provided preferably at the rear of the shield to permit draining at that point.

To apprise those skilled in the art with the manner of constructing and utilizing my invention, I shall now describe a specific embodiment of the same in connection with the accompanying drawings which form a part of this specification and in which:

Figure 1 is a side elevational view showing a device embodying the invention, applied to the head;

Figure 2 is a plan view of the shield;

Figure 3 is a vertical section on line 3—3 of Figure 2;

Figure 4 is a perspective view of the frame of the shield.

Figure 5 is a plan view of a modification; and

Figure 6 is a cross section on line 6 of Figure 5.

In the embodiment of the invention selected for illustration, 5 designates generally the frame of the shield comprising a resilient wire, drawn rod or other suitable ring or closed frame member 6 having its opposite ends twisted or otherwise secured together at 8. A U-shaped wire, drawn rod or other suitable frame member 10 has its free ends secured at 11 and 12 to the rear edge of ring 10 with a space between the points of attachment 11 and 12 through which space the suds and water or other liquid is adapted to drain or run off. U-shaped frame member 10 is inclined forwardly from points of attachment 11 and 12 and a plurality of stay wires or links 14 are secured between inclined frame member 10 and ring 6 as shown at 15. These stay wires or links with connections 11 and 12 join frame members 6 and 10 into a unitary frame. Wires 6 and 10 may be of rust proof material or they may be coated or wrapped as desired.

A piece of material 20, preferably flexible

and impervious to the passage of water, such as rubber sheeting, suitable treated cloth or even paper or the like is stretched across and covers ring 6 and its edges forward of space 21 between points of attachment 11 and 12 extends up to and are folded over and vulcanized, stitched or otherwise suitably secured to frame member 10, as shown at 22 in Figure 3. Along space 21 the rear edge of sheet 20 is folded up over ring 6 and suitably secured thereto:

Sheet 20 is provided with an opening 25 to receive the head of the user, indicated at 26 in Figure 1, the hair being exposed through opening 25 when the shield is in place, and the shield fitting about the lower edge of the hair and preventing the liquid employed from reaching the eyes, ears, face and clothing of the user. The shield when in place in no way interferes with proper soaping, rinsing or other treatment of the hair, and by providing a brim portion which extends radially from the opening 25 and lies entirely in the same plane, the shield does not hang down over the face. The brim extends radially from opening 25 and the entire brim portion is in the same plane so that the shield will not interfere, when in place, with treatment of the face which is frequently desirable. The upstanding portion about the forward part of the shield and back to the relatively small space 21 prevents the liquid from running down over the edge of the shield and down onto the face and clothing. It directs the liquid back to the space 21 at which point the liquid is permitted to drain off without reaching the face or clothing of the user. A drain may be arranged beneath space 21 when the shield is in use to receive and carry away the liquid which drains from the shield at that point if desired, but such provision is in nowise necessary.

Sheet 20 is shown as being turned up about opening 25 and it may be ruffled or plain about the edge of the opening and surrounding said turned up portion is a band 28 of rubber or other elastic material to cause the shield about the opening to snugly grip the head and conform the opening properly thereto, to hold the shield in place and provide the desired snug engagement to heads of various shapes and sizes, so that the liquid will in no case run down between the head and shield.

Ruffling of the material about opening 25 permits variation in the size of the opening to conform to heads of different shapes and sizes without danger of tearing or breaking the sheet material. This ruffling may of course be omitted. The upturned edge about opening 25 may likewise be omitted, as may band 28, and the edge of the opening may be suitably finished in the plane of the brim of the shield and the elas-

ticity of sheet 20 relied on to grip same to the head. The material and shape of ring 6 and frame member 10 may likewise be varied. The ring, however, is preferably of oval or elliptical form substantially as shown to extend properly around the head when in place.

From the foregoing it will now be apparent that additional holding devices for the shield are avoided. Upon pulling the cap or shield in place over the head so that the hair is properly exposed therethrough the elasticity of the material about the opening 25 holds the entire shield properly in place and provides the desired snug fit. When in place the brim portion of the shield extends radially in the same plane from opening 25 so that it will not only not interfere with proper treatment of the head, but also will not interfere with treatment of the face with the shield in place. The shield so protects the face and clothing of the person that the head may be shampooed in an upright position and without bending over. When the treatment is finished the cap or shield is readily removed by pulling it off.

In the embodiment shown in Figures 5 and 6 the frame comprises simply a wire ring 50 over which the rubber sheeting 51 or other flexible material impervious to the passage of water is stretched and secured. Frame 50 is shown in this case of circular formation but it may be oval or of any other desired formation. It is preferably relatively large to direct the water and suds clear of the person wearing the same. The edge of sheet 51 is folded over frame member 50 and vulcanized, stitched or otherwise secured thereto and the central portion of the sheet is provided with an opening 52 to receive the head of the user. About the edge of opening 52 sheet 51 is turned up at 53 and may be ruffled or plain as desired and surrounding said turned up portion is a band 54 of rubber or other elastic material to cause the shield about the opening to snugly grip the head and conform the opening properly thereto, to hold the shield in place and provide the desired snug engagement to heads of various shapes and sizes, so that the liquid will in no case run down between the head and shield. As already pointed out the annular brim about opening 52 extends radially from the opening in the same plane. There is nothing extending up to interfere with treatment of the head nor are there any hanging portions to interfere with treatment of the face with the shield in place.

I claim:

1. In a device of the class described, a closed frame, an open frame having its ends attached to said closed frame, the points of attachment being spaced apart to permit draining off therebetween and the open

frame being inclined from said points of attachment, connecting means between the closed frame and the inclined portion of the open frame and a sheet of elastic material impervious to the passage of water arranged over the closed frame and having an opening for the reception of the head, said sheet having its marginal portion turned up and secured to the open frame and between the points of attachment of the ends of the open frame to the closed frame having its edge secured to the closed frame.

2. In a device of the class described, a frame comprising a closed wire frame, an open wire frame having its free ends attached to said closed frame member, the points of attachment being spaced apart and the open frame member being inclined from said points, and connecting means between the closed frame member and the inclined portion of the open frame member, a sheet of material covering said first frame and turned up and attached marginally to said second frame, said sheet having an opening for receiving the head, elastic means surrounding said opening and the device being held in place on the head solely by said elastic opening surrounding means.

In witness whereof, I hereunto subscribe my name this 9th day of April, 1930.

ADALINE FARRELLY.

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