Feb. 21, 1933. E. P. GUSTAFSON 1,898,954

BATHING CAP

Filed July 23, 1931

Fig. 1.

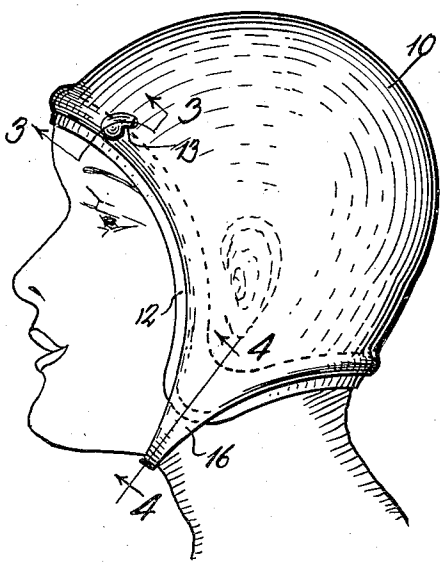


Fig. 2.

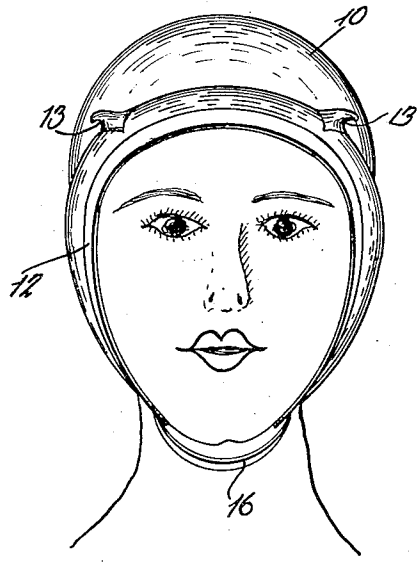


Fig. 3.

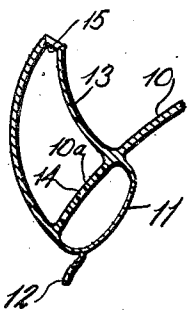


Fig. 4.

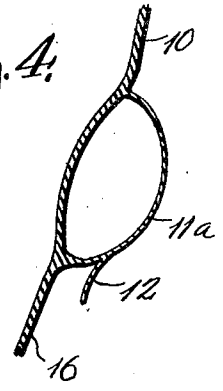


Fig. 5.

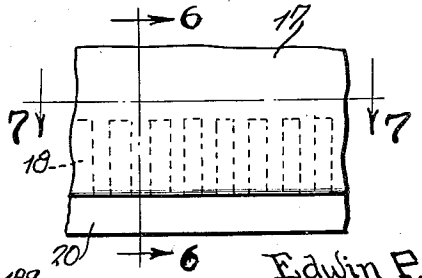


Fig. 6.

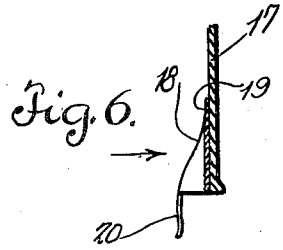


Fig. 7.



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UNITED STATES PATENT OFFICE

EDWIN PHILIP GUSTAFSON, OF FORESTVILLE, CONNECTICUT, ASSIGNOR OF ONE-FOURTH TO JAN P. CLARY, OF HARTFORD, CONNECTICUT

BATHING CAP

Application filed July 23, 1931. Serial No. 552,763.

This invention relates to certain new and useful improvements in bathing caps.

The primary object of the invention is to provide a bathing cap wherein the marginal edge thereof is constructed for intimate contact with the head and neck of the wearer so that intrusion of water into the cap is prevented.

A further object of the invention is to provide a bathing cap of the foregoing character wherein the marginal water seal comprises a thin walled pneumatic band for intimate contact with the head of the wearer with a relatively thin marginal strip projecting outwardly of the pneumatic band for head contact to provide a double seal.

It is a further object of the invention to provide a bathing cap of the foregoing character wherein a pleated strip is provided at the marginal edge of the cap for intimate contact with the head of the wearer to prevent intrusion of water within the cap.

A still further object of the invention is to provide a bathing cap formed of elastic material with one or more projections carried thereby to aid in correctly positioning the cap on the head of the wearer, the projections constituting valve devices to facilitate inflation for a marginal band.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:—

Figure 1 is a side elevational view of a bathing cap constructed in accordance with the present invention and illustrated on the head of a wearer;

Figure 2 is a schematic front elevational view;

Figure 3 is a detail sectional view taken on line 3—3 of Figure 1, showing the pneumatic head engaging band and the horn-like projection thereon to facilitate positioning of the cap and constructed to permit inflation of the band;

Figure 4 is a detail sectional view taken on line 4—4 of Figure 1, showing a transverse enlargement of the pneumatic band;

Figure 5 is a fragmentary elevational view of another form of cap band having a pleated head engaging edge;

Figure 6 is a detail sectional view taken on line 6—6 of Figure 5; and

Figure 7 is a detail sectional view taken on line 7—7 of Figure 5, showing the pleated band edge of the cap.

Referring more in detail to the accompanying drawing, the bathing cap may be constructed of any suitable water proof material, preferably rubber and is of the usual design having a head enclosing portion 10 with a marginal edge engaged with the forehead, cheeks and the nape of the neck of the wearer, the marginal edge being constructed to provide intimate contact to prevent the entrance of water to the interior of the cap and thereby maintain the hair of the wearer in a dry condition.

The cap includes side flap portions overlying the ears of the head of the wearer as shown in Figure 1, and a thin walled pneumatic band 11 is arranged at the inner side of the marginal edge of the cap, and that portion of the pneumatic band 11 extending around the side flap portions and which lies in contact with the cheek bones of the wearer, is transversely widened as at 11*a* as shown in detail in Figure 4 to provide for a more intimate contact around the head of the wearer. A relatively thin edge band or strip 12 is carried by the outer edge of the pneumatic band 11 at the head contacting surface of the pneumatic band as shown in Figures 1 and 2 to provide a double seal against the entrance of water to the cap.

To facilitate positioning of the cap upon the head of the wearer and also for accomplishing inflation of the pneumatic band 11, the outer marginal edge of the cap portion 10, as illustrated in Figures 1 to 3, has a pair of horn-like projections 13 that may be grasped in positioning the cap, the cap portion 10*a* within the smaller horn-like projection 13 having perforations 14 therein forming communication between the pneumatic band 11 and the horn-like projections.

An air check valve 15 of any suitable construction is provided at the outer end of the horn-like projections as illustrated in Figure 3 to facilitate inflation of the pneumatic band 11 and said band may be readily deflated by manually releasing the check valve 15.

The bathing cap is shown in position upon the head of the wearer in Figures 1 and 2 and when so disposed, the same may be secured in position by the neck strap 16 carried by the sides of the cap portion 10 and when the pneumatic band 11 is inflated, the relatively thin wall thereof moves into intimate contact with the head of the wearer while the edge strip 12 is similarly engaged to provide a double seal against the entrance of water into the cap. The edge strip 12 being located at the head contacting surface of the pneumatic band, inflation of the band causes the edge strip 12 to contact more intimately with the head of the wearer for the exclusion of water from the cap. The pneumatic band 11 is transversely enlarged as at 11*a* adjacent the cheek bones of the face to compensate for abrupt curves and angles and to insure a close fit, air pressure in the pneumatic tube being equalized over the entire endless length thereof for more efficient operation.

In the form of invention shown in Figures 5 to 7, the rubber cap portion 17 has a relatively thin pleated rubber strip 18 secured thereto along one edge as at 19, the pleats 18*a* being illustrated in Figures 5 and 7 and are adapted to lie in contact with the head of the wearer, the relatively thin marginal strip 20 also engaging the head of the wearer to prevent the intrusion of water in the cap.

It is to be understood that one or more horn-like projections may be carried by the cap to aid in positioning the cap on the head, as well as carry the inflating valve. Also, said projections may assume various configurations, such as animal heads, doll heads, frogs or other grotesque figures.

From the above detailed description of the invention, it is believed that the construction and operation thereof will at once be apparent, and while there are herein shown and described the preferred embodiments of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:—

1. A bathing cap comprising a head enclosing portion, a pneumatic band at the marginal edge thereof and a head engaging strip having one edge carried by the pneumatic band at the outer side edge thereof, with the other edge of the strip freely disposed, said strip being located at the head contacting surface of the band and extending completely around the band.

2. A bathing cap comprising a head inclosing portion, a pneumatic band formed integral with the cap at the marginal edge thereof, a head engaging strip at the outer side edge of the pneumatic band at the head contacting surface of the band and extending completely around the band, spaced ornamental projections carried by the cap in communication with the pneumatic band to facilitate positioning of the cap on the head of the wearer, and a check valve in each ornamental projection to facilitate inflation of the pneumatic band.

3. A bathing cap comprising a head inclosing portion and side flap portions for overlying the ears of the head of a wearer, a pneumatic band at the marginal edge thereof, a head engaging strip at the outer side edge of the pneumatic band at the head contacting surface of the band and extending completely around the band and said pneumatic band being transversely widened at opposite sides of the cap within the side flap portion to increase head contact of the band beneath the ears of the head of the wearer.

4. A bathing cap comprising a head inclosing portion and side flap portions for overlying the ears of the head of a wearer, a pneumatic band at the marginal edge thereof, a head engaging strip at the outer side edge of the pneumatic band at the head contacting surface of the band and extending completely around the band, ornamental projections carried by the cap in communication with the pneumatic band, a check valve in each ornamental projection and said pneumatic band being transversely widened at opposite sides of the cap within the side flap portions of the cap to increase head contact of the band beneath the ears of the head of the wearer.

In testimony whereof I affix my signature.

EDWIN PHILIP GUSTAFSON.