May 5, 1942. A. L. GAGE 2,282,220

HEAD BAND FOR USE IN CONNECTION WITH BATHING CAPS

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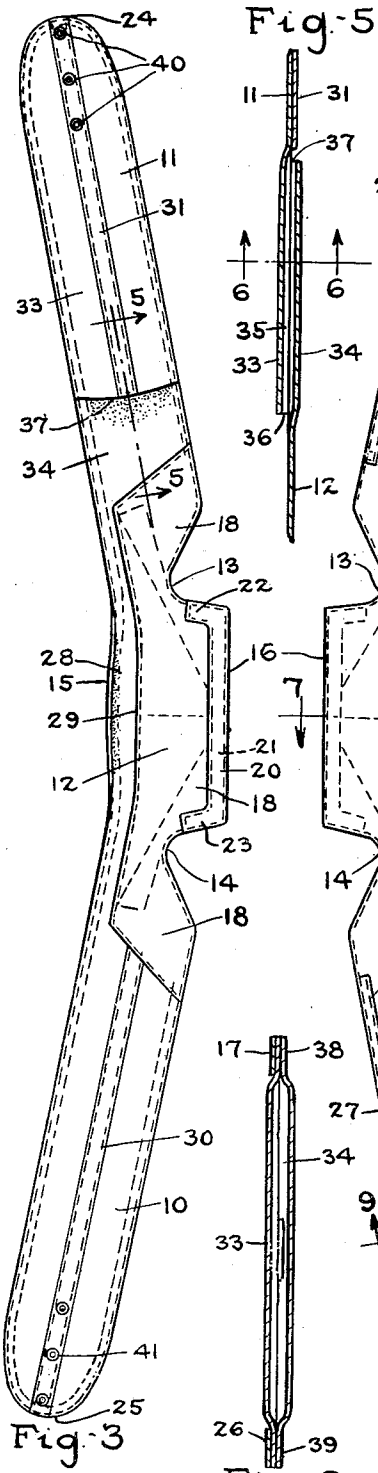


Fig. 3

Fig. 6

Fig. 5

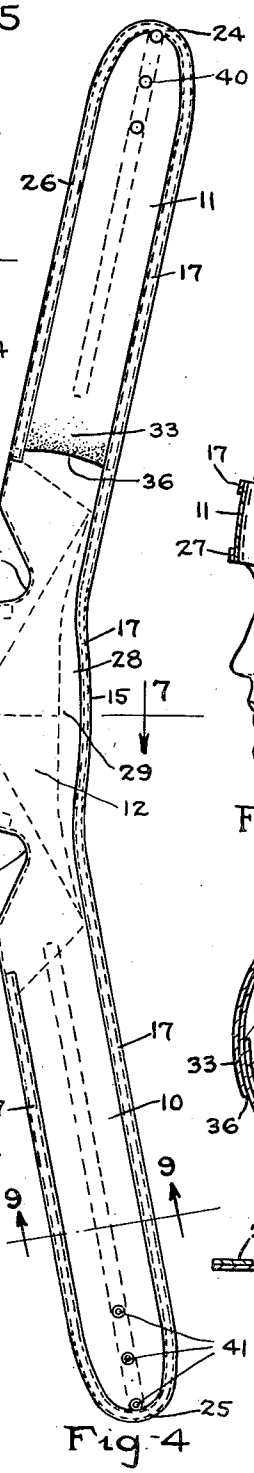


Fig. 4

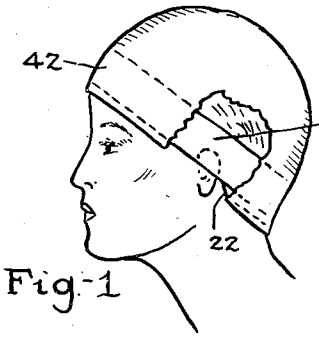


Fig. 1

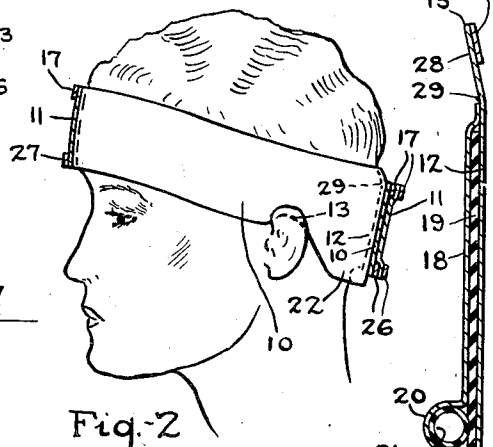


Fig. 2

Fig. 7

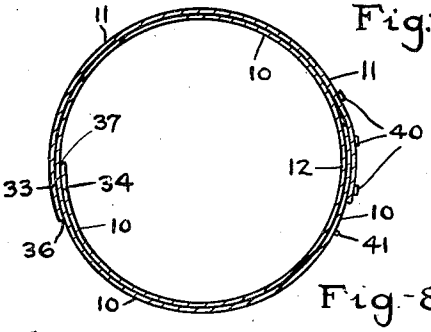


Fig. 8

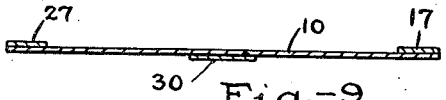


Fig. 9

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HEAD BAND FOR USE IN CONNECTION WITH BATHING CAPS

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Application July 18, 1941, Serial No. 402,977

6 Claims. (Cl. 2—68)

My invention relates to head bands for use in connection with bathing caps and has for its object to keep water from getting under the bathing cap and wetting the hair of swimmers, particularly women. I am aware of the fact that other devices have been employed for this purpose and this application is an improvement on my Patent No. 1,501,591, issued July 15, 1924.

The invention of my aforesaid patent has been continuously and extensively in use since before the date of application for the patent and has been generally effective for keeping water away from the hair of wearers. My improvements have to do with rendering the band more certain of performing the function of keeping out water, particularly on the back of the neck of the wearer, more comfortable in the wearing of the same, particularly in reference to the ears of the wearer, easier to apply to the head of the wearer and constructed better to resist strains and to have durability and a long life.

In carrying out these improvements it is one object of my invention to provide a back flap wider than the average width of the band having mounted therein along its lower edge a compressing member such as a small rubber tube which will engage and find a seat along the nape of the neck and will enter into the hollow at the nape of the neck just below the hair to provide a complete sealing contact.

It is a further object of my invention to form the band curved or with portions extending away from said central portion and with cut-out parts adapted to surround the ears so as to leave the ears largely exposed.

It is a further object of my invention to provide a reenforcing strip down the central portions of the ends of the bands having thereon the eyes and sockets respectively of snap fasteners together with means for permitting one end of the band when wrapped around the head to be inserted through the other end of the band to bring the snap fasteners into operative engagement.

The full objects and advantages of my invention will appear in connection with the description thereof hereinafter given, and the features by which the advantageous results above referred to are secured will be particularly pointed out in the claims.

In the drawing illustrating an application of my invention in one form—

Fig. 1 is a side view of my band in position with the cap over it and a portion of the cap broken away to show the band.

Fig. 2 is a side view of the band in position on the head of a wearer with parts thereof broken away.

Fig. 3 is a full plan view of the band taken from the side which contacts the head of the wearer.

Fig. 4 is a similar plan view of the band taken from the other side.

Fig. 5 is a sectional longitudinal view of a part of the band taken on line 5—5 of Fig. 3.

Fig. 6 is a transverse sectional view of the band taken on line 6—6 of Fig. 5.

Fig. 7 is a transverse sectional view of the band taken on line 7—7 of Fig. 4.

Fig. 8 is a circumferential view of the band with the parts overlapping and in fastening position.

Fig. 9 is a transverse sectional view of the band taken on line 9—9 of Fig. 4.

As illustrated the band comprises end portions 10 and 11 with an intervening central portion 12 which, as shown, is wider than the end portions 10 and 11 and is separated from them by cut-out or notched portions 13 and 14. The central portion 12 is provided with a curved top edge 15 and a straight bottom edge 16. At the top edge 15 there is applied to the member 12 a reenforcing strip 17, this strip being on the outside of the band as worn. The outer portions of the parts of the band 10, 11 and 12 except for reenforcing elements are composed of chamois and the central member 12 has a second ply 18 of chamois between which is a layer of impervious rubber material 19, as in my aforesaid Letters Patent. In the construction of this application at the lower edge 16 of the two plies 12 and 18 and intervening strip of rubber as sewed together I secure a second strip 20 having thereon a compressible extension member 21, preferably in the form of a hollow rubber tube. The part 20 is formed with extensions 22 and 23 along the adjacent edges of the notches 13 and 14, as clearly shown in Fig. 3. The reenforcing band 17 is carried around the ends of members 10 and 11 at 24 and 25 and form continuations along the inner side of members 10 and 11, as indicated at 26 and 27 of Fig. 4, and the central edge portion 28 is shortened so as to turn up towards the extension 20, 21 as indicated at 29 in Figs. 3 and 7. Central reenforcing strips 30 and 31 are formed along the center of members 10 and 11, as indicated in full lines in Fig. 3 and in dotted lines in Fig. 4. The member 11, as best shown in Figs. 3, 4 and 5, comprises two overlapping parts 33 and 34 which are secured

at their edges as indicated at 38 and 39 of Fig. 6 and are open between as indicated at 35, 36 and 37 of Figs. 3, 4 and 5. Snap eyes 40 are formed at the end of reenforcing band 31 and snap sockets 41 are formed to extend outwardly from the opposite side of the member 10 as shown in Fig. 4.

When the band is in position a flexible bathing cap 42 will be applied over the band, as indicated in Fig. 1.

In assembling the band it is first placed upon the back of the head with the pushed-out part 20 across the nape of the neck and the short parts 22 and 23 along the sides of the nape. The parts are then wrapped around the head in opposite directions, the portion 10 being carried through the opening 35 between parts 33 and 34 of extension 11 and the part 11 carried over the part 10 to bring the proper snap members 40 and 41 in position to snap shut, as indicated in Fig. 8, in which position the parts will be drawn tight about the head of the wearer, compressing the hair under the fastened band, after which the bathing cap 42 is applied.

This has the great advantage of so enclosing the hair and gripping and following the lines of the face and head, particularly at the nape of the neck, and on each side thereof so that water is effectively prevented from getting into the hair at all.

I claim:

1. A head band for use under bathing caps, comprising a band member formed with a central portion and two side portions angularly disposed thereto, said central portion being formed of outside plies of material and a ply strip of rubber between them, and a resilient extruded member attached to the inside of the central member at the bottom edge thereof outside the plies and rubber and embodying a compressible filler.

2. A head band for use under bathing caps, comprising a band member formed with a central portion and two side portions angularly disposed thereto, said central portion being wider than the side portions and being formed of outside plies of material and a ply of rubber between them, and an extruded member attached to the inside of the central member at the bottom edge thereof outside the plies and rubber and embodying a rubber tube.

3. A head band for use under bathing caps, comprising a band member formed with a central portion and two side portions angularly disposed thereto, said central portion being formed of outside plies of material and a ply strip of rubber between them, a resilient extruded member attached to the inside of the central member at the bottom edge thereof outside the plies and rubber and embodying a compressible filler, and means including a transverse slit through one of the members to permit the other member to be passed therethrough in wrapping around the head of the wearer and snaps on the ends of the band to secure the band in position on the head.

4. A head band for use under bathing caps, comprising a band member with a central portion and two side portions, said central portion being formed with a resilient extruded member attached to the inside of the central member at the bottom edge thereof, and notched-out portions on the lower sides of the band at each side of the central member.

5. A head band for use under bathing caps, comprising a band member with a central portion and two side portions, said central portion being formed with a resilient extruded member attached to the inside of the central member at the bottom edge thereof, the inner edge of said central member being shortened to cause the same to curve inwardly on the same side as the resilient extruded member.

6. A head band for use under bathing caps, comprising a band member with a central portion and two side portions, said central portion being formed with a resilient extruded member attached to the inside of the central member at the bottom edge thereof, the inner edge of said central member being shortened to cause the same to curve inwardly on the same side as the resilient extruded member, and notched-out portions on the lower side of the band to each side of the central member.

ANNA L. GAGE.