April 12, 1955 E. J. W. TELLIER 2,705,802

COMBINATION CAP AND GOGGLES

Filed Aug. 19, 1954

Fig. 1.

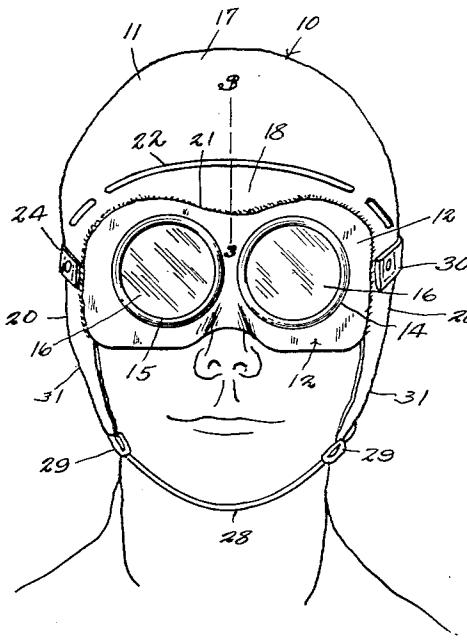


Fig. 2.

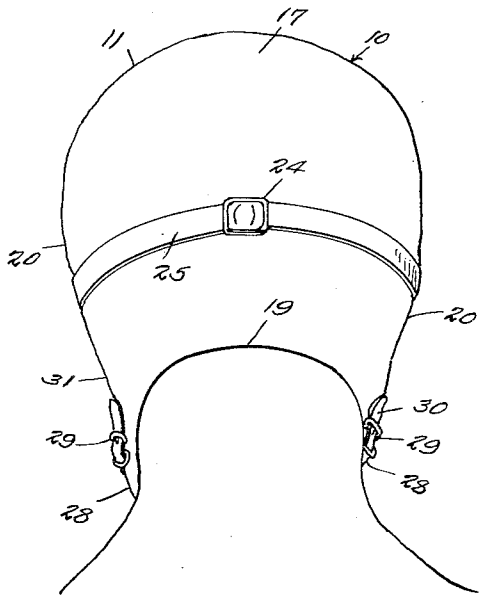
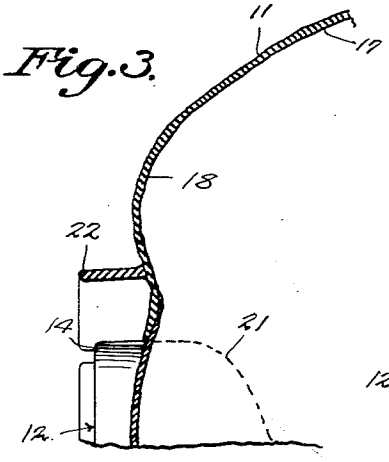


Fig. 3.



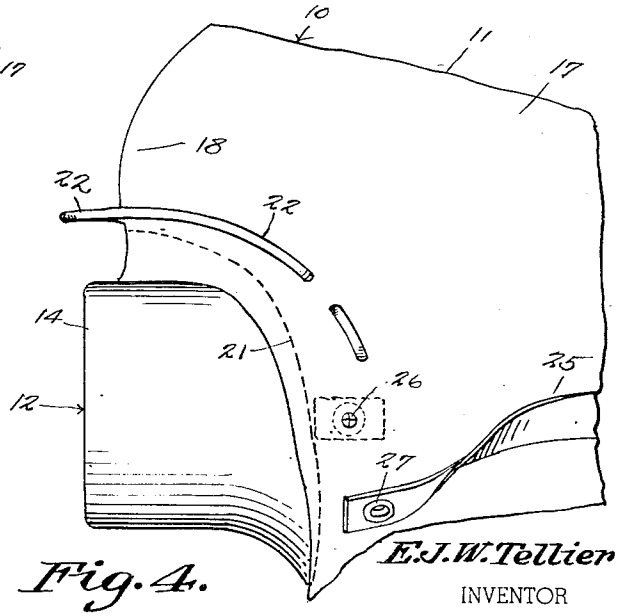


Fig. 4.

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United States Patent Office 2,705,802 Patented Apr. 12, 1955

2,705,802

COMBINATION CAP AND GOGGLES

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Application August 19, 1954, Serial No. 450,889

2 Claims. (Cl. 2—68)

This invention relates to a combination cap and goggles.

This invention relates to a novel combination cap and goggles to keep water out of the eyes and from the face of a swimmer wearing such combination. The goggles and cap are united by vulcanizing or securing them together or by manufacturing them together in one piece thus to provide a leak proof connection between them.

It is a principal object of this invention to provide a combination cap and goggles of the kind to be more particularly described hereinafter with the cap having ridges or protuberances extending outwardly spaced above the goggles and eyes of the wearer and an extended neck covering portion engaging about the neck of the swimmer to avoid chafing of the swimmer's neck while providing a firm and secure engagement of the cap with the neck of the person wearing the cap and preventing any flow or seeping of water into the cap and goggles.

A further object of this invention is to provide a combination swimming cap and goggles of the type to be described hereinafter defined having pull tabs adjacent to the temples of the wearer of such combination within easy reach of the fingers of the swimmer either in or out of the water whereby to relieve pressure on the goggles securing strap on his forehead.

Other and further objects and advantages of the invention will be hereinafter described and the novel features thereof defined in the appended claims.

In the drawings:

Fig. 1 is an elevation of the front of a combination cap and goggle constructed according to an embodiment of my invention on the head of a swimmer.

Fig. 2 is an elevation of the rear of the combination.

Fig. 3 is an enlarged fragmentary vertical cross section, partly broken away, of the combination taken on the line 3—3 of Fig. 1.

Fig. 4 is an enlarged fragmentary side elevation, partly broken away, of the combination swimming cap and goggles showing a continuous ridge along the forehead of the cap.

It is to be noted that when swimming under water it has been the custom of the swimmer to employ the use of a cap and a separate pair of goggles both fastened on the head of a swimmer so that the swimmer may observe things underneath the surface of the water. It is noted, as above, that the unitary swimming cap and goggles is the essence of this invention. The swimming cap and goggles being formed integral without the necessity of separately fastening the cap and then the goggles onto the head of the swimmer.

Referring now more particularly to the drawings the numeral **10** designates generally a cap and goggles combination constructed according to an embodiment of my invention which combination may be used in place of a separate cap and separate goggles.

The combination **10** comprises a cap **11** having goggles **12** formed thereon, or attached securely thereto so that by placing the cap **11** on the head of the swimmer the goggles **12** are also placed on his head.

The goggles **12** have a goggle frame **14** which is more or less plastic in structure although the structure of the goggle frame **14** may be rubberized to correspond with the plastic or rubber cap **12**. By forming the goggles **12** and cap **11** of the same material as rubber or rubberized material, the cap **11** and goggles **12** may be vulcanized or otherwise secured together for the unitary function of the use of both the cap and the goggles.

The goggle frame **14** is provided with a pair of laterally spaced apart apertures **15** within each of which there is provided a lens **16** through which articles below the surface of the water may be properly viewed by the swimmer. If the cap **11** and goggles **12** are formed of the same type of material both may be manufactured at the same time by special manufacturing means for the cap and goggles combination **10**.

In the structure of the combination **10** including the cap **11** and goggles **12** the cap **11** is formed with a crown covering portion **17** adapted to cover the crown of the head of a swimmer, a forehead covering portion **18** depending from the forward edge of the crown covering portion **17** as clearly noted in Fig. 1 of the drawings and a neck covering portion **19**.

By the vulcanization of the goggles to the cap and the portions of the cap together there is provided a vulcanization line **21** which may appear in the drawings as a sort of welding line.

There is also formed integral with the cap **11** protuberances **22** which extend forwardly and outwardly from the cap **11** spaced upwardly from the forehead covering portion **18** which is clearly shown in Figs. 1 and 3 of the drawings. While the protuberances **22** may be arranged as a series of separate protuberances on the cap **11** it is to be understood that a single ridge may also be provided by moving the protuberances together in the form of a single linear protuberance extending across the forward end of the cap **11** above the forehead covering portion **18** thereof. The protuberances **22** constitute a means for pulling the cap away from the forehead of the wearer to temporarily relieve pressure and permits circulation of the blood at the forehead. The continuous protuberances at the forehead covering portion also serve to prevent the dripping of water over said lenses when the swimmer is above the surface of the water.

Snap fasteners **24** are used to hold a goggles strap **25** on the cap **11** with the goggles strap extending substantially around the head of the wearer and the outside of the cap **11**. Snap fastener elements **26** are formed on the cap adjacent to the goggles **12** and co-related snap fastener elements **27** are secured onto the outer edges of the strap **25** for fastening the strap **25** to the cap **11**. A similar snap fastener **24** may be provided intermediate the length of the strap **25** for engaging with a snap fastener element on the rear side of the cap **11** such latter snap fastener being provided to secure the goggles strap **25** and goggles **12** to the cap **11**. Ordinarily as the goggles **12** are united with the forehead covering portion **18** such intermediate snap fastener will not be required to secure the goggles **12** to the cap **11**.

There is also provided a chin strap **28** releasably secured by fasteners **29** to the lower end of the depending ear covering portions or flaps **31** formed integral with the cap **11**. The ends of the goggle straps **30** are provided with detachable fastener elements for connection with cooperating fastener elements on the cap adjacent to the sides of the goggle lens frame.

While the specific details of one embodiment of this invention have been herein shown and described, the invention is not confined thereto as changes and alterations may be made without departing from the spirit and scope thereof as defined in the appended claims.

I claim:

1. The combination cap and goggles for underwater use on the head of a swimmer, comprising a cap having a crown engageable over the crown of the head of a swimmer, and having integral ear covering portions and a rear neck covering portion, a goggles lens frame having lenses therein sealingly secured along the upper transverse edge thereof to the lower front transverse edge of said crown and at its side edges to said ear covering portions for positioning said lenses over the eyes of the swimmer, a strap removably secured at the ends thereof to said cap adjacent to the sides of said goggles lens frame and extending around the rear side of the cap for positioning said goggle lens frame in sealing relation with the swimmer's face, a chin strap secured between the lower front extremity of said ear covering portions and adapted to maintain the cap in water sealing relation with the face and neck of the swimmer, a continuous protruding ridge

member extending outwardly from said cap along the front side of said crown at the forehead covering portion thereof to prevent dripping of water over said lenses when the swimmer is above the surface of the water and effective for pulling the cap away from the forehead temporarily, to relieve pressure and promote blood circulation at the forehead, said cap and lens frame being formed of water impervious material.

2. The combination of a unitarily united cap as set forth in claim 1 wherein said cap and goggles frame are made of rubber and wherein the secured edges thereof are vulcanized together.

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