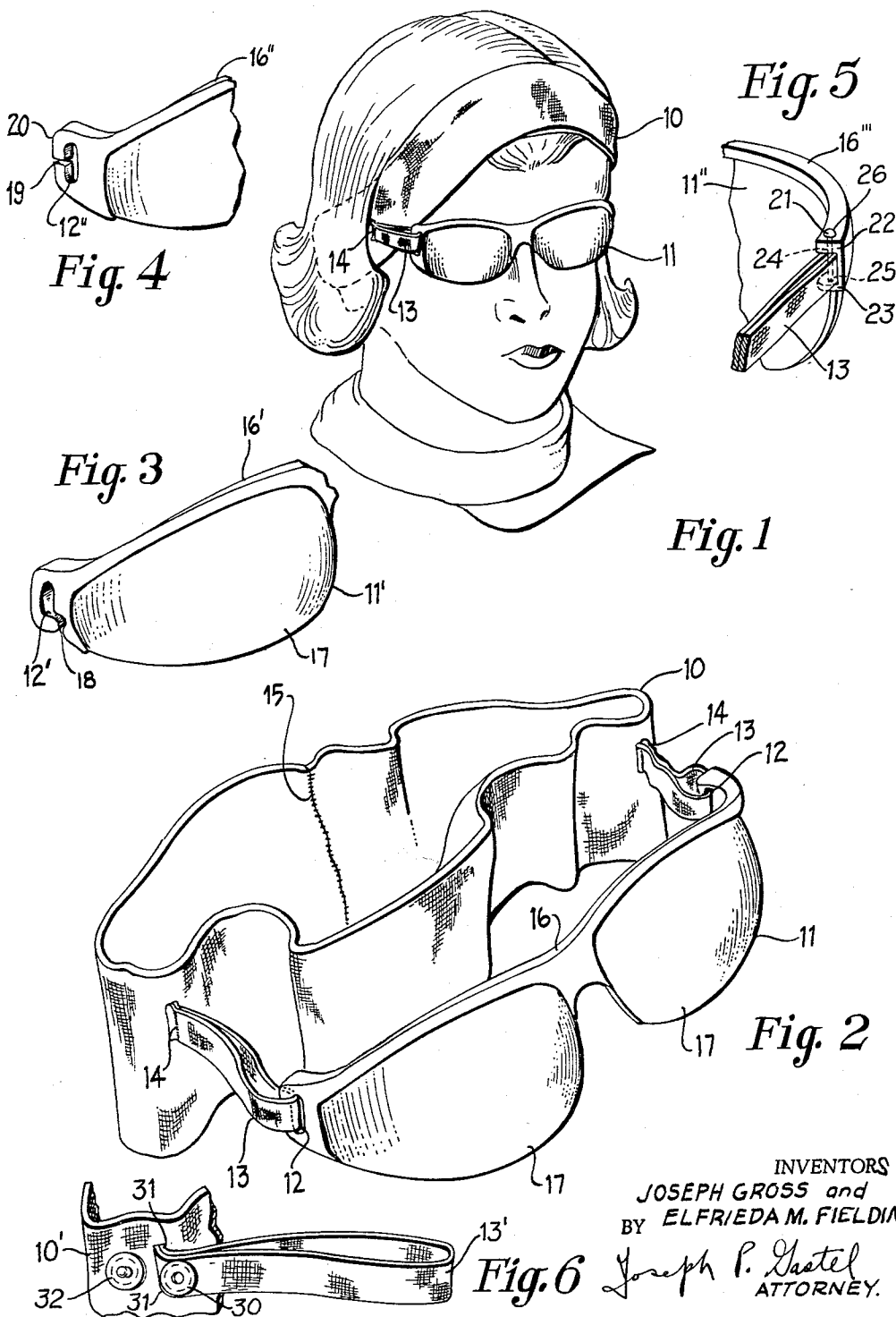


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HEADWEAR CONSTRUCTION

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The present invention relates to improved headwear construction. The present application is a continuation-in-part of application Serial No. 318,933 filed October 25, 1963 and now abandoned.

It is one object of the present invention to provide an improved article of headwear which not only can be utilized as a head band to keep the wearer's hair in place but also can be utilized as a unique anchoring base for flexibly holding a pair of goggles which can either be positioned across the wearer's eyes or moved to an out of the way position on the upper portion of the wearer's head.

Another object of the present invention is to provide an improved article of headwear including a head band which can be worn during all active sports to not only control the wearer's hair, and thereby keep such hair away from the wearer's eyes, but also serve as a mounting base for a pair goggles for shielding the wearer's eyes, said goggles being attached to said head band in such a manner so as to provide no sharp edges which could injure the wearer in the event that he falls or is struck.

A further object of the present invention is to provide an improved articles of headwear consisting of a head band and goggle construction which is firmly anchored to the wearer's head and therefore is not easily dislodged when the wearer is subjected to violent external forces experienced during sports activities. Other objects and attendant advantages of the present invention will readily be perceived hereafter.

The improved headwear of the present invention consists of a unique head band and goggle construction which includes an elastic head band which is adapted to fit over the upper portion of the wearer's head. The head band is preferably positioned in such a manner as to hold the wearer's hair in place when it is subjected to the external forces normally encountered in sports activities or the like. In addition, the band can be used to cover the wearer's ears, to thereby protect them against cold when the head band is worn during skiing or other winter sports. The goggle construction is mounted on said head band in a unique manner. In this respect, the goggles have anchoring means at opposite ends thereof for receiving first ends of a pair of loops, the opposite ends of which are sewn to the head band at spaced locations. Since these loops are preferably made of fabric or other soft material, there is no rigid material which can injure the person in the event that it is struck, as when the person falls or when it is hit by an external object. The flexibility of the loops permit the goggles to be worn over the eyes or to be pushed to an out of the way position on the wearer's head without changing the position of the head band. Furthermore the loops are resilient to thereby firmly hold the goggles in the position in which they are placed. The foregoing construction is suitable for use in all sports which subject the hair to external forces, including skiing, water skiing, tennis, golf, and sport car riding. In addition, the goggles are preferably made of plastic and are tinted to act as sunglasses. However, it will be appreciated that the instant headwear construction is manifestly suitable as an anchoring arrangement for corrective eye glasses, when such are required by the wearer. The present invention will be more fully understood when

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the following portions of the specification are read in conjunction with the accompanying drawings wherein:

FIG. 1 is a perspective view of a woman wearing the improved headwear of the present invention with the goggles in position across her eyes;

FIG. 2 is a perspective view of the improved headwear construction of the present invention demounted from the wearer;

FIG. 3 is a fragmentary perspective view of a modified anchoring construction for the goggles;

FIG. 4 is a fragmentary perspective view of a modified anchoring construction for the goggles;

FIG. 5 is a fragmentary perspective view of still another modified anchoring construction for the goggles; and

FIG. 6 is a fragmentary perspective view of an alternate construction for attaching the goggles to the head band.

From FIGS. 1 and 2 it can be seen that the improved headwear construction of the present invention includes a head band 10 which is preferably made of a stretchable material such as stretch nylon. It will be appreciated that band 10 can also be made of fabric covered elastic material or may consist of a non-stretchable material which has its ends sewn to an elastic material. The band 10 is sufficiently wide so that it can cover the wearer's ears in the event that it is worn for winter sports. As can be noted from FIG. 1, a band 10 is worn on the forehead of the hair to keep the hair in place and out of the wearer's eyes. In this respect it is to be noted that band 10 is particularly suitable as an article of feminine headwear because it keeps the hair in place but it can also be worn by men, especially skiers. In addition, band 10, if desired, can be worn across the forehead to thereby act as a sweat band.

In any or all of the foregoing position, band 10 acts as a firm anchoring base for goggles 11, which are preferably made of a single piece of molded plastic and include a frame 16 and lenses 17. Frame 16 has slots 12 located at opposite ends thereof for receiving loops 13, the ends 14 of which are sewn or otherwise attached to head band 10 at spaced locations. Loops 13 may be made of the same material as head band 10, that is, they are preferably elastic, and fabricated of stretch nylon, so that there will be a force firmly holding the goggles 11 in position against the wearer's head both in the event that goggles 11 are in the position shown in FIG. 1 or are positioned up on the wearer's forehead or on the top of his head. It will be appreciated that loops 13, if desired, may be made of non-stretchable material but that a firmer mounting of goggles 11 will be obtained if an elastic material is used. Because loops 13 are made of soft flexible material, they cannot injure the wearer in the event they are pressed against the wearer's head by an external object or during a fall.

If desired, band 10 which is merely an elastic band having a stem 15, may be modified so that it consists of a non-elastic band having end portions mounting suitable fastening means such as snaps or a buckle for adjusting the size of the head band.

In FIG. 3 a modified form of the present invention is shown. In this arrangement the frame 16' of the goggles 11' is modified to include slots 12' which have openings 18' for permitting the loops 13 to be slipped out of the slots to thereby permit the goggles 11' to be detached from the loops so that the head band can be washed without also requiring that the glasses be subjected to a washing action. Aside from the configuration of slots 12' of FIG. 3, goggles 11' of FIG. 3 may be identical in all respects to goggles 11 of FIG. 2.

In FIG. 4 a still further modification of the anchoring

construction for the goggles is disclosed. In this construction slot 12" has a horizontal slot 19 leading therefrom toward the rear wall 20 of goggle frame 16". In order to insert or remove loop 13 relative to slots 12", which are located at opposite ends of frame 16 in the same manner as slots 12 of FIG. 2, it is merely necessary to twist loops 13 sideways and cause them to pass through slots 19.

In FIG. 5 a still further modification of the present invention is disclosed which contains structure for permitting ready detachment of the headband with the loops attached thereto from the goggles. More specifically, the goggles 11", which may be of one piece molded plastic construction, have a frame 16" and this frame has a pin 21 at each opposite end thereof, each of said pins extending between an upper frame portion 22 and a lower frame portion 23 and fitting in apertures 24 and 25 in said frame portions, respectively. A head 26 is supplied on pin 21 to limit its movement with respect to the frame. While only one end of the goggles has been shown, it will be understood that the same structure is used at both ends thereof. When it is desired to remove the loops 13 from operative engagement with goggles 11", it is merely necessary to withdraw pins 21 from frame portions 22 and 23 and the loops 13 will become detached from the goggles. In the event it is desired to reassemble the headband and the goggles it is merely necessary to insert a portion of each loop between frame portions 22 and 23 and thereafter slip pin 21 into apertures 24 and 25 in said frame portions to thereby lock each of said loops against withdrawal from the frame portions. The foregoing construction permits the goggles to be removed from the headband in a simple and expedient manner to permit the headband to be washed.

In FIG. 6 a further modified form of the present invention is disclosed wherein each of the loops 13' has a snap fastener 30 fastened to the ends 31 thereof which holds the ends of loop 13' together. Portion 30 of the snap fastener is a female portion, and the male portion 32 is secured to headband 10' in the conventional manner. In the event it is desired to detach loops 13' from headband 10', it is merely necessary to pull the loop until snap portion 30 disengages from snap portion 32. This permits the loops to be disengaged from the headband when it is desired to wash the latter. This loop construction is ideally suited for use with the embodiment of FIGS. 1 and 2, but it will be appreciated that it can also be used with all of the other embodiments of the present invention. In other words, the snap fasteners provide a quick and easy way of detaching the goggles from the headband to permit the latter to be washed without the goggles attached.

It will readily be appreciated that the various attachment constructions utilized in the instant headband combination may readily be incorporated as a part of an attachment arrangement for attaching goggles to other types of headwear especially a ski helmet which covers the entire head by virtue of being a knit tubular member closed at one end and having only a slit-like aperture for permitting vision therethrough.

It can thus be seen that the improved headwear construction of the present invention includes a unique headband construction mounting a pair of goggles, which may be sun glasses or corrective lenses, in a firm manner so as to be capable of achieving all of the above-enumerated objects and advantages, and while preferred embodiments of the present invention have been disclosed, it will be appreciated that the present invention is not limited thereto but may be otherwise embodied within the scope of the following claims.

What is claimed is:

1. An article of headwear comprising a resilient fabric headband adapted to completely encircle the upper portion of a person's head, goggles, said goggles including a frame and lenses mounted on said frame, a pair of fabric-like loops attached to said headband at spaced locations,

first slot means in said frame for retaining said loops therein, and second slot means leading to said first slot means to permit insertion and removal of said loops from said first slot means.

2. An article of headwear for maintaining the wearer's hair in position, for covering the wearer's ears to provide warmth, and for serving as a firm mounting for a pair of goggles while permitting said goggles to be selectively located in a first position across the wearer's eyes or in a second position on the wearer's head above his eyes comprising flexible fabric headband means for providing substantially continuous encircling engagement with the upper portion of a wearer's head and being of sufficient width to cover substantial portions of the wearer's ears, a pair of goggles, first and second ends on said goggles, first and second flexible fabric-like members each having first and second ends, said first ends of both said first and second flexible fabric-like members being attached to said headband at spaced locations thereon, first and second fastening means at said first and second ends of said goggles, respectively, said second ends of said first and second flexible fabric-like members being secured to said first and second ends of said goggles by said first and second fastening means, respectively.

3. An article of headwear as set forth in claim 2 wherein said first and second flexible fabric-like members are stretchable to provide a resilient mounting to firmly bias said goggles against the wearer's head in both said first and second positions.

4. An article of headwear as set forth in claim 3 wherein said flexible fabric-like members are loops.

5. An article of headwear as set forth in claim 3 wherein said flexible fabric headband means are resilient for firm biasing engagement with the wearer's head.

6. An article of headwear as set forth in claim 5 wherein said flexible fabric-like members are loops.

7. An article of headwear as set forth in claim 6 wherein said first and second fastening means include means for permitting selective disengagement of said first and second flexible fabric-like members from said goggles.

8. An article of headwear as set forth in claim 7 wherein said first and second fastening means include pin means located at said first and second ends of said goggles for extending through said second ends of said loops.

9. A headband-goggle combination for maintaining the wearer's hair in position, for covering the wearer's ears to provide warmth, and for firmly mounting a pair of goggles while permitting said goggles to be selectively located in a first position across the wearer's eyes or in a second position on the wearer's head above his eyes comprising flexible resilient fabric headband means for providing continuous encircling engagement with the upper portion of a wearer's head and being of a sufficient width to cover substantial portions of the wearer's ears, a pair of goggles having frame means and lens means mounted on said frame means, first and second resilient fabric-like loops each having first and second ends, said first ends of each of said first and second loops being sewn to said flexible resilient fabric headband at spaced locations, said frame means having first and second ends, first and second spaced ears at each of said first and second ends of said frame means, a first pin extending through said first and second ears at said first end of said frame means, a second pin extending through said first and second ears at said second end of said frame means, said second ends of said first and second fabric-like loops being received between said first and second ears of each of said first and second ends of said frame means, respectively, with said first and second pins extending through said first and second loops, respectively, to thereby fasten said loops to said first and second ends of said frame means, said resilient mounting of said loops on said headband causing said goggles to be biased firmly in said first position across said wearer's eyes and in said second position across said wearer's head above his eyes.

10. An article of headwear comprising a fabric mem-

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ber for entirely encircling the upper portion of a wearer's head, goggles having first and second ends, first and second fabric-like flexible members each having first and second ends, means attaching said first ends of said first and second flexible members to said fabric member at spaced locations thereon, first and second fastening means at said first and second ends of said goggles, respectively, said second ends of said first and second fabric-like flexible members being secured to said first and second ends of said goggles by said first and second fastening means, respectively, to thereby mount said goggles on said fabric member.

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11. An article of headwear as set forth in claim 10 wherein said first and second members are fabric loops.

References Cited in the file of this patent

UNITED STATES PATENTS

1,599,096	Marks	Sept. 7, 1926
2,609,538	Jackson	Sept. 9, 1952
2,660,092	Bloom	Nov. 24, 1953

FOREIGN PATENTS

644,095	Germany	Apr. 23, 1937
612,042	Great Britain	Nov. 8, 1948