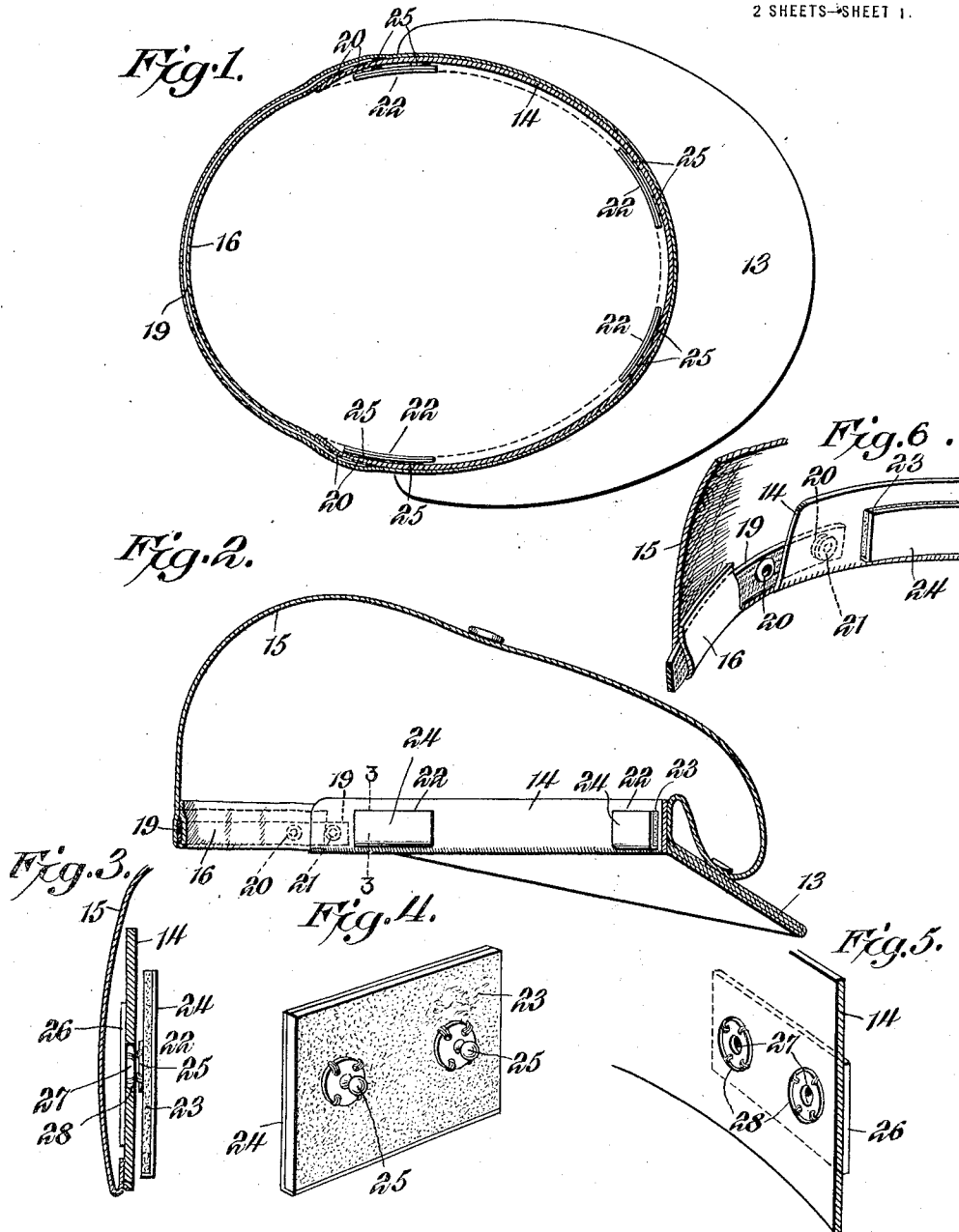


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 HEADGEAR FOR PREVENTING BALDNESS.
 APPLICATION FILED NOV. 16, 1918.

1,434,745.

Patented Nov. 7, 1922.

2 SHEETS—SHEET 1.



WITNESSES

Howard D. Orr,
 J. B. Siggers,

George S. MacLeod, INVENTOR,

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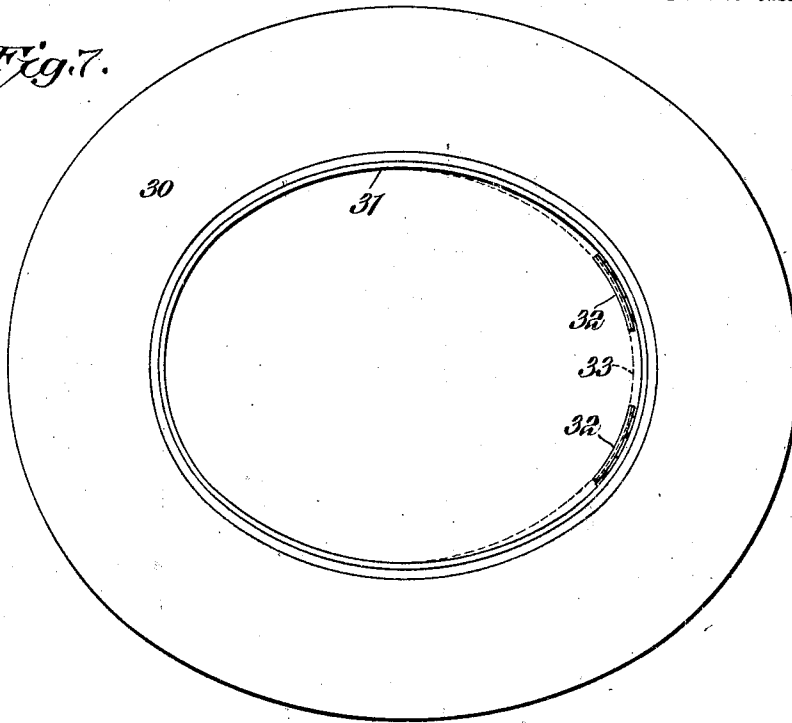
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Fig. 7.



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UNITED STATES PATENT OFFICE.

GEORGE STEWARD MacLEOD, OF SEATTLE, WASHINGTON.

HEADGEAR FOR PREVENTING BALDNESS.

Application filed November 16, 1918. Serial No. 262,841.

To all whom it may concern:

Be it known that I, GEORGE S. MacLEOD, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented a new and useful Headgear for Preventing Baldness, of which the following is a specification.

The present invention relates to headgear, and particularly to headgear which is designed to prevent baldness.

The chief object of this invention is to furnish a comfortable hat or cap which will not press upon the wearer's head except at what may be called the "neutral spaces" where no scalp-feeding arteries or veins occur.

A further object is to produce a head-gear which is adapted to fit several sizes of heads, and hence is adjustable with respect to the tension with which it binds upon any one head.

Another object is to provide an attachment which prevents any hat or cap from cutting off the flow of blood to and from the scalp, which may be applied with a minimum of trouble and expense, and which may be removed readily by the wearer when desirable.

For a complete understanding of the invention, reference should be made to the drawings which accompany and form a part of this specification, and in which—

Figure 1 is a horizontal sectional view of a cap made in accordance with my invention;

Figure 2 is a vertical longitudinal sectional view of the same;

Figure 3 is a transverse section on the line 3—3, Figure 2, showing the manner in which my attachments are secured to the sweatband of a cap;

Figure 4 is a perspective view of one of my pads;

Figure 5 is a perspective view of the holding strip, which is designed to hold the pad of Fig. 4, shown mounted in the sweatband; this construction being preferably applied at the sides;

Fig. 6 is a detail perspective view showing the connection between the elastic and the sweat band.

Fig. 7 is a plan view from the underside of a brimmed hat provided with my attachment.

Referring to Figures 1 and 2 in detail, there is shown a cap having a brim or vizor

13, a sweat band 14, a crown 15 and a tuck or hem 16, this latter being formed from the material of the crown. The sweat band 14 extends only about two-thirds of the way around the inside of the cap, and is constructed of the usual material, and terminates at points somewhat to the rear of a wearer's ears. The rear third of the cap is completed by the tuck or hem 16, whose open ends are preferably covered by the corresponding ends of the band 14 as shown in Figure 1.

An elastic 19 is run through the tuck or hem 16, and has each end provided with two or more sockets 20, which are designed to engage with the studs 21, one of which is secured to the inner face of the sweat band near each end thereof, as Figures 1, 2 and 6 show.

It will be observed that the fastening or connection of the elastic to the sweat band is on the outside of the latter so as to interpose the band between the said fastening and the head of the wearer.

The cap illustrated in Figure 1 has four pads 22, all alike and detachable at will. One pad is shown apart from the cap in Figure 4, and includes a felt backing 23, a leather facing 24 and the studs 25. The felt backing gives the desired stiffness and rigidity, besides offering a base upon which the studs 25 can be mounted. The leather facing 24 should be made of exactly the same kind of leather as that used in the sweat band. However, other materials than felt and leather might be utilized to advantage in making up my attachments, and I do not wish to be confined to the preferred form described.

Figure 5 shows a detail in perspective of the sweat band carrying a backing strip of leather 26, to which in turn are secured sockets 27. Holes 28 are provided in the sweat band, and through these holes the sockets 27 extend for the reception of the studs 25 of the pads. The stud and socket fasteners connect the pads and strips through the holes and maintain the parts in place. As shown in Figure 3 this construction is applied at the sides of the cap, but may be at the front also. Of course, thick cloth, cardboard, celluloid or other material could be used in place of leather for these strips 26. The latter do not show, being covered by the sweat band, and are not subjected to any wearing action. their sole

function being to make the pads 22 readily detachable from the band, and when detached leaving only the holes 28 in the band, which holes are not objectionable. When specially designed snap fasteners are employed for the pads, presumably the strips 26 could be dispensed with, but when the present snaps are used, I find that placing the eyelets on the sweat band itself makes the pads protrude too far and is somewhat uncomfortable. This last construction is shown in Figure 1 as applied to the front pads, but I prefer the other.

Obviously, since the strips and pads are detachable from each other and from the sweat band as well, the wearer of one of my caps may take off the pads at will and change their position by punching new holes in the band, or may replace them by others, or may leave them off altogether. These four pads are designed to be placed so that they will bear on the neutral spaces of the average person's head. Once in a while a person with an abnormal development in some bone of his skull will be encountered for whom these four pads might not be advantageously spaced. In such a case, to change their location will be a matter of but a few minutes.

The elastic makes the cap fit better and more comfortably. Were an elastic not provided it would be difficult to fit a person properly with four pads on the sweat band. With an elastic a perfect mild fit becomes an easy matter. Several sizes of heads are readily accommodated by one of my caps. After the elastic has lost some of its strength, its tension may be restored by setting the stud 21 into the next socket 20. This procedure may be repeated until the elastic is useless, whereupon it may be removed and a new one substituted.

The vizor of the cap should extend far enough back on each side to provide a support for the side pads as Figure 1 shows. In other words, the vizor should extend at least as far back as the ear line.

Figure 7 shows a hat 30, whose sweat band 31 is provided with two pads 32 exactly like pads 22. I have found that hats are so much stiffer than caps, that by providing two pads 32 to bear upon the neutral spaces of the forehead, the hat is held away from the head until the neutral space above the ear is reached. The dotted line 33 indicates the head line.

I have come to the conclusion that baldness is not inherited, nor is it a peculiarity of one sex. I believe that baldness is due to a lack of nourishment given the hair; that the lack of nourishment results from a continual checking of the blood supply; and that the checking of the flow of blood to the scalp occurs whenever the hat bears with equal pressure all around the head. People

with round or oval heads if they wear a hat that presses upon their heads are certain to become more or less bald. People with heads that are angular are likely to retain their hair as long as they live, regardless of the hat they wear, because the oval bearing surface of the hat bridges the parts which overlie the veins and seats itself upon the neutral spaces only.

My invention gives a round headed man the advantages of a square headed man. It keeps the headgear away from the veins which are vital to the preservation of a good head of hair. At the same time, it is comfortable, easily and cheaply made and applied, and readily attached.

Having described my invention, what is claimed is—

1. In a head covering, a sweat band extending part way around the inside of the covering, a hem completing the inside of the headline of the covering, an elastic run through the said hem, said elastic having adjustable means at each end whereby it may be held with varying tension to the sweat band, a vizor carried by said head covering, and a plurality of pads carried by the sweat band, certain of the pads pressing upon predetermined points above the ears, and said vizor being extended rearwardly to these latter pads to maintain them in proper position.

2. In a head covering, a flexible non-metallic sweat band, a plurality of relatively soft flexible pads removably mounted on the sweat band whereby the head covering is supported by the pads, and cooperating quick-detachable fastening elements secured upon the sweat band and upon the pads whereby the pads are readily attached to or detached from the sweat band, the fastening elements of the sweat band being located at such points that the pressure of the head covering is transmitted to the head of the wearer without interfering with the scalp-feeding arteries.

3. In a head covering, a sweat band; and detachable pads disposed upon the sweat band, said pads comprising a felt backing, a leather facing, and means carried thereby for detachably holding the pads to the sweat band.

4. In a head covering, a sweat band extending part way around the inside of the covering, an elastically contracted hem formed of the material of the covering and bridging the space between the ends of the sweat band, said hem being covered by the ends of the band, and a plurality of pads on the band.

5. In a head covering, a sweat band having a break therein, a hem bridging said break, and an elastic enclosed within the hem and detachably connected to the sweat band near the ends thereof.

6. In a head covering, a sweat band extending partway around the inside of the covering, a hem completing the inside of the head line of the covering, and an elastic
5 run through the hem, said elastic having adjustable means at each end whereby it may be held with varying tension to the sweat band.

10 7. In a head covering, a sweat band extending partway around the inside of the covering, a hem completing the inside of the

head line of the covering, an elastic enclosed within the hem, and snap fasteners provided on the elastic and band for adjustably connecting the parts together.

15 In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GEORGE STEWARD MacLEOD.

Witnesses:

JOHN H. REID,

WALTER SHAVE.