Dec. 25, 1951 A. M. RUSSELL 2,580,323

VENTILATED HAT

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Fig. 1.

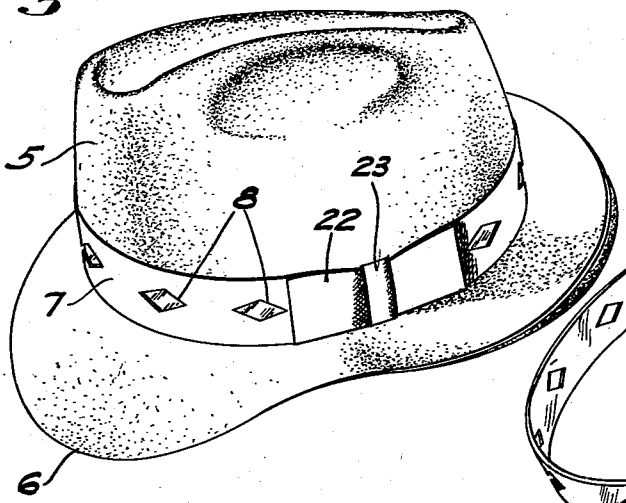
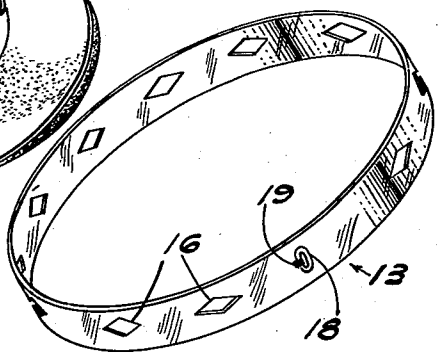


Fig. 5.



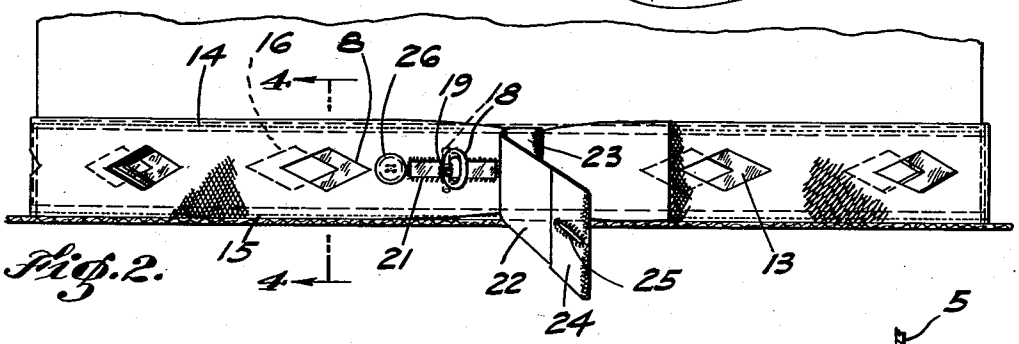


Fig. 2.

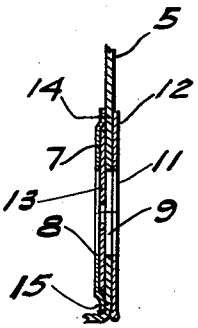


Fig. 4.

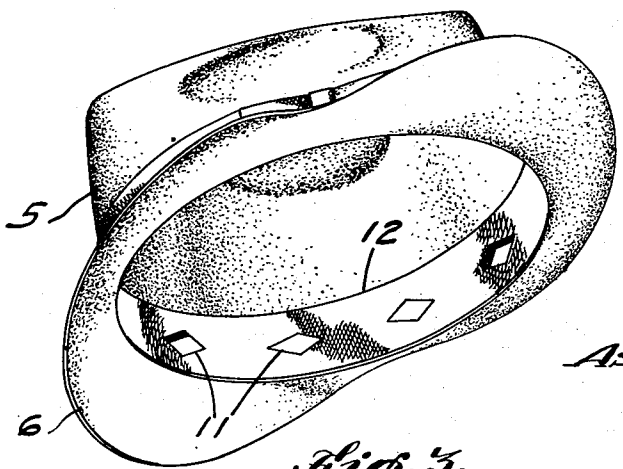


Fig. 3.

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VENTILATED HAT

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4 Claims. (Cl. 2—176)

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This invention relates to a ventilated hat.

More specifically speaking, the invention pertains to an improved assembly, in a hat ventilating structure, of relatively adjustable multi-apertured members whereby the amount of air admitted to the head of the wearer of the hat can be regulated in a more satisfactory manner.

This invention also pertains to a new article of manufacture consisting of a band having a series of ventilating apertures extending throughout its circumference, said band carrying improved finger-hold means for the wearer of the hat to use in so adjusting the band as to bring the apertures thereof more or less into register with the cooperating ventilating apertures through the lower part of the crown of the hat.

Among the objects of the invention are: to provide a ventilated hat structure of a more durable character wherein repeated adjustments of the movable apertured member in relation to the adjacent hat structure will cause no unsightly wear; to provide hat ventilating means that can be more conveniently operated while the hat is in place upon the head of the wearer; to provide, an adjustable hat ventilating means that will aid in keeping the hat properly contoured; and to provide an improved, normally concealed means for manually operating the adjustable member of the air vent controlling means.

Another object is to provide for using Celluloid in an advantageous manner in the construction of the adjustable member of the hat ventilating structure.

Further objects include providing a smoother, apertured ventilating band that can be more readily slidably adjusted and which is of a moisture-proof character.

Other objects, advantages and features of invention will hereinafter appear.

Referring to the accompanying drawing, which illustrates a preferred embodiment of the invention,

Fig. 1 is an outside perspective view of a hat equipped with the device, the latter being adjusted to the non-ventilating position.

Fig. 2 is an enlarged, elevational view of the band portion of the hat the part of the hat thereabove being mostly broken away to contract the view, the brim of the hat being sectioned. This view illustrates the means for manually adjusting the movable ventilating member, together with a flap usable normally to conceal said means.

Fig. 3 is an inside perspective view of the hat shown in Fig. 1, but with the ventilating band in the fully ventilating position.

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Fig. 4 is a fragmentary cross section on line 4—4 of Fig. 2.

Fig. 5 is a perspective view of the ventilating band per se.

Referring in detail to the drawing, the felt hat shown in Fig. 1 comprises a body portion 5, rim 6 and band 7 of the usual external appearance except that a circumferentially extending series of diamond shaped openings 8 are shown through said band, these openings at all times registering with like openings 9 through the lower part of the hat body and openings 11 through the sweat band 12.

Interposed between the hat band 7 and lower part of the hat body 5 is an endless Celluloid band 13 which is somewhat narrower than the hat band 7. Rows of stitches 14 and 15, not necessarily continuous, extend respectively along the upper and lower edge portions of the band 7 to secure it to the hat body 5 and said endless Celluloid band occupies the space between said rows of stitches in a circumferentially adjustable manner.

Said Celluloid band has a series of diamond shaped openings 16 extending throughout its circumference, positioned to be brought more or less into registry with the already mentiond registering openings 8, 9 and 11, so that a series of openings of the desired size may be caused to extend completely through the lower part of the hat; or else intact portions of said band 13 may be interposed between the openings, of the hat body and hat band 7, thus excluding external air from the head of the wearer.

The aforesaid circumferential adjustment of the Celluloid band 13 is manually effected by using a ring 18 anchored at 19 to the midwidth portion of the exterior surface of the Celluloid band 13 at a part of said band where its openings 16 are more widely spaced apart. Some adhesive of a very tenacious character should be used to anchor said ring to said band, and yet such cement should be sufficiently flexible to allow the ring to be swung through an angle of ninety degrees in relation to the band to which it is attached. The use of a cement of the kind stated to attach the ring to the band is desirable because it is not feasible to sew the ring to the Celluloid or Celluloid-like material which is used to construct the band.

In order to afford operative clearance for said ring a longitudinally extending slot 21 is cut through the midwidth portion of that part of the hat band 7 that would otherwise at all times overlie said ring 18, thus affording convenient

manual access to the ring after it has been fed through said slot. Normally said ring and slot 21 are concealed by an end portion 22 of the hat band bow 23. Said bow portion 22 carries an internally folded back free end portion 24 provided with a button-hole 25 with which cooperates a button 26 attached to an adjacent part of the hat band 7.

If it is desired to use stitching to attach the ring 18 to the band 13, that may be done by first making a group of perforations through said band where the ring is to be attached, and passing through said perforations the thread used to sew on the ring.

Preparatory to applying the invention to hats already manufactured a series of circumferentially spaced apart diamond shaped holes will first be punched through that part of the hat which comprises the hat band 7, sweat band 12 and intervening zone of the hat body, and also the slot 21 and button-hole 25 will be formed in the hat band, both the latter apertures being preferably reinforced by marginal stitching, as shown. Then, the upper hat band stitches 14 having been removed, the Celluloid band 13 will be pushed down over the crown of the hat and inside the band 7 until the lower edge of said band rests upon the lower row of stitches 15, as shown in Fig. 4, thus bringing the apertures through the Celluloid band into an alinable relation to the apertures made by the aforesaid punching operation. Then the band 13 can be slid around the crown 5 of the hat to place the diamond shaped apertures in varying degrees of fully opening or closing the corresponding apertures of the crown 5, sweat band 12 and outer hat band 7. Then it will only remain to attach the button 26 to the hat band 7 in a position to be used to button down the flap 24; and to reapply the upper row of hat band stitches 14, and the remodeled hat will be ready for use. It will be understood that the operating ring 18 will be fed through the slot 21 when the ventilating band 13 has been fully inserted.

It will be observed that the cooperating diamond shaped openings through the adjustable band 13 and hat structure adjacent thereto afford means for ventilating the scalp through a wide range of adjustment, only a slight ventilation being afforded when only point portions of the openings 16 through the band 13 are caused to register with the diamond shaped openings through the non-adjustable parts of the hat. All of the diamond shaped openings are arranged with their point portions directed circumferentially of the basal part of the hat.

Owing to the adjustable band being made out of Celluloid or Celluloid-like material, it does not suffer injury when moistened by sweat, it slides very freely from one adjusted position to another and it does not wear the adjacent parts of the hat with which it slidably contacts, and it is not injured if the hat is folded up. Also, when made of Celluloid, it can readily be obtained in various colors.

Preparatory to operating the adjustable ventilating band the user will unbutton the bow portion 22 and will then take hold of the ring 18. Then he will slide the Celluloid band in the direction and to the extent necessary to provide the desired amount of ventilation to his scalp. After doing this he will button down the flap to conceal the ring. On cold mornings the Celluloid band may be adjusted to close all vents and as the temperature rises the air vents may be opened to the extent desired by adjusting the band 13 for that purpose while the hat remains on the head of the wearer.

I claim:

1. In a ventilated hat structure, an endless band located between the outside band of the hat and the lower part of the body portion of the hat, said outside band having a bow portion which normally overlies a longitudinally slotted part of the latter's band, an operating projection carried by said endless band and located within the slot of the outside band, said endless band having a series of ventilating apertures extending throughout its circumference which by manually sliding said endless band by means of said projection can be brought more or less into registry with alined openings between the said body portion and the outside band which are located internally and externally respectively of said endless band, said bow portion of said outside band comprising a flap deflectable to and from an overlying concealing relation to said slot and projection.

2. The subject matter of claim 1, and said flap having an infoldable free end portion carrying a button-hole and said outside hat band carrying a button onto which said free end portion of the flap, while infolded, can be buttoned.

3. In a ventilated hat having a body portion and an outside band, there being ventilating openings through said body portion and outside band continuously in register with each other, an endless band located between said body portion and outside band, said endless band having a series of ventilating apertures extending throughout its circumference and, for the purpose of placing its said ventilating apertures in varying degrees of fully opening or closing the first recited ventilating openings, being manually slidable around said body portion of the hat, and a sweat band having a series of apertures extending throughout its circumference alining with the openings of said body portion and outer band.

4. As an article of manufacture, an endless hat ventilating band of smooth form retaining material having a series of ventilating apertures extending throughout its circumference, and an external projection between two adjacent apertures, said projection consisting of a ring one side portion of which is fastened to said endless band, said ring being manually graspable for use in circumferentially adjusting said band, said band being made of a Celluloid-like material and said ring being secured thereto by a tenacious flexible cement that allows the ring to be swung through an angle of ninety degrees to and from flatwise engagement with the band.

ASA M. RUSSELL.

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