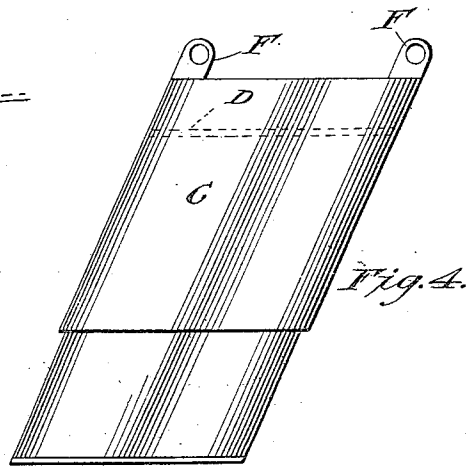
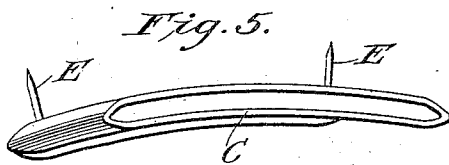
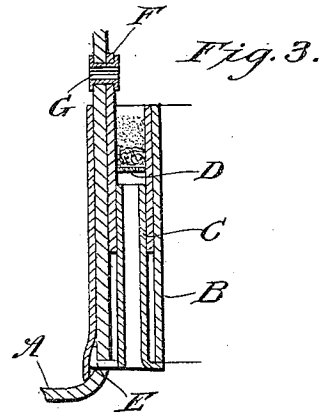
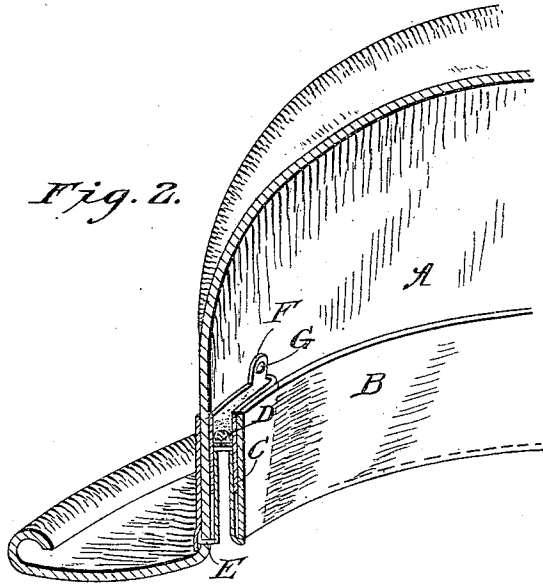
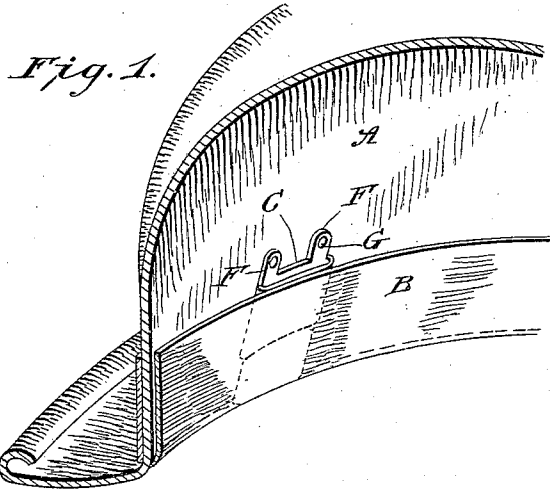


H. D. BARNES.
 VENTILATOR AND MEDICAMENT OR PERFUME CONTAINER FOR HATS.
 APPLICATION FILED JAN. 23, 1909.

935,832.

Patented Oct. 5, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRY D. BARNES, OF UNIONTOWN, PENNSYLVANIA.

VENTILATOR AND MEDICAMENT OR PERFUME CONTAINER FOR HATS.

935,832.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Application filed January 23, 1909. Serial No. 473,815.

To all whom it may concern:

Be it known that I, HARRY D. BARNES, a citizen of the United States, residing at Uniontown, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Ventilators and Medicament or Perfume Containers for Hats, of which the following is a specification.

My invention relates to a device for diffusing perfume or medicament, and particularly to a means for medicating or perfuming the air within a hat and bringing the perfumed or medicated air into direct contact with the hair or scalp of the wearer.

Baldness is due to the wearing of hats which fit closely to the head and prevent free circulation of air in contact with the scalp or the hair. As hats are now manufactured and sold there is very little provision made for the circulation of air within the crown, and the principal object of my invention is to provide improved means for assisting the circulation of air within the hat, and in this connection to provide means for effectively bringing medicated or perfumed air into intimate contact with the hair and scalp without inconvenience to the person under treatment.

Another object of the invention is to provide a container for said perfume or medicament adapted to be concealed between the sweat-band of a hat and the crown thereof, the container or holder being provided with means whereby a more or less constant current of air may be passed directly over or through the perfume or medicament and into the hat, there to circulate within the crown thereof in intimate contact with the hair or scalp of the user.

A further object of the invention is to provide a container which shall be adapted to be adjusted to the width of the ribbon or hat band, so that the container may be adapted to hats having any width hat band and thus permit the ventilating openings to remain open under all circumstances.

My invention is shown in the accompanying drawings wherein—

Figure 1, is a fragmental section of a hat showing my holder in place. Fig. 2, is a

vertical section of my device and a fragment of the hat crown. Fig. 3, is an enlarged vertical section of the container and a portion of the hat. Fig. 4, is a side elevational view of the holder detached, and Fig. 5, is a top view.

In the drawings A designates a hat of any ordinary shape having the usual sweat-band B stitched at its lower edge of the crown of the hat, but unattached at its upper edge.

C designates a shallow shell or casing preferably sectional, hollow in its interior and open at both ends, preferably made of some very light material such as aluminum and adapted to be placed behind the sweat-band and of such length that it will not project above the band. Preferably, too, the shell is laterally curved to fit the curvature of the head as shown in Fig. 5, and preferably the shell is made in two portions as shown in Fig. 4, adapted to telescope one within the other so as to permit the shell to be lengthened or shortened for a purpose to be hereafter described. As will be seen from Fig. 4, the case or shell C has the form of a quadrilateral, the sides of which are parallel to each other, but inclined to the top and bottom of the case. The case C is so placed behind the hat band that the longer axis of the case is oblique to the rim of the hat, or inclined rearward.

The interior of the casing C is preferably crossed by a partition or shelf D, preferably made of perforated or reticulated material such as wire gauze, and adapted to support upon it the medicament or perfume which is to be diffused. While the medicament or perfume might be in the form of powder, or in any other convenient form, I preferably support upon the shelf D a layer of cotton or other filamentous material on which the perfume or medicament is placed, or with which it is dampened.

The lower end of the casing or holder C is open so that air may pass upward there-through, circulate through the casing and carry perfume or the vapor of the medicament used with it to the crown of the hat. It is of course, obvious that the stitches of the sweat-band are to be loosened to allow the holder to be inserted through the band.

At its lower end the outer plate is flanged or flared outward to prevent the holder from being forced upward and to prevent the sweat-band from working down and closing the lower open end of the holder C.

The casing is provided at its lower end with hooks or other suitable fastening means E whereby it may be attached to the hat body, these hooks being upset after insertion so as to offer no projection on the outside. At its upper end the shell or casing is preferably formed with lugs F and tubular eyelets G. These eyelets may be made in one piece with the lugs or may be inserted through openings in the lugs. In either case the eyelets are to be upset on the outside of the hat so as to form passages or ventilating openings through which air may pass into the body of the hat above the head.

It will be seen that the construction above detailed allows the air to enter the hat through the lower end of the container, and that the obliquity of the container tends to accelerate the entrance of air into the hat as it is inclined rearward away from the front of the hat and the direction in which the person is moving. The air passes upward through the medicament or perfume in the crown of the hat, circulates through the hat and then passes outward through the eyelets G carrying the medication into direct contact with all parts of the hair and scalp and provides for a constant inlet of fresh air and a constant outlet for the air which has been circulating within the hat. If the container were not extensible by being formed of two telescopic shells, it could only be applied to hats having hat bands of one width, otherwise the hat band would cover the opening of the eyelet. By extending or compressing the casing C it can be adapted to any size band. As will be seen from Fig. 5, the casing is relatively thin, is curved laterally to conform to the head and has its ends brought down to an edge. The casing is intended to be made so light and thin that it will form no obstacle to the wearing of the hat and will give no discomfort to the wearer.

The peculiar shape of the container, which provides for its rearwardly inclined position in the hat is of particular importance, as this permits the air to pass more readily through it as the wearer walks, the movement of the wearer practically forcing air in the hat and as the air must find an escape from the hat acting to force it out through the outlet openings and thus complete the circulation.

It will be obvious that my invention provides means whereby perfumed or medicated air may be brought into very thorough contact with the hair and scalp of the user, and that such medication will take place during

all the period that the hat is worn. The medicated vapors created by the air passing through or over the container are confined within the hat and cannot escape from contact with the head until the hat is removed. It will also be seen that while my container is concealed within the hat band, yet the medicament or odoriferous material itself does not come in contact with the forehead of the wearer which would be the case were it not held behind the sweat-band.

By preference of course the medicament used by me consists of disinfectants or antiseptic remedies in such form as to be readily volatilized or diffused by the air passing across the container or up through the same.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is.

1. A ventilator and perfume or medicament container for hats comprising an open casing adapted to be attached to the hat inside of the sweat-band thereof, said casing being hollow and containing a support for medicament or perfume.

2. A ventilator and medicament or perfume container for hats comprising a hollow casing open at its lower end, having means in its interior for holding medicament or perfume, and provided with tubular eyelets adapted to pass through the crown of a hat to permit the circulation of air therethrough.

3. A ventilator and perfume or medicament container for hats comprising a hollow casing open at its lower end, having means in its interior for supporting medicament or perfume, and tubular eyelets attached to its upper end and extending outward, adapted to be passed through the body of a hat, and permit the circulation of air through the material contained in said casing and around the head.

4. A ventilator and perfume or medicament container for hats comprising a relatively thin hollow casing open at both ends, the lower end of said casing having hooks whereby it may be attached to the hat, a perforated support for the medicament or perfume within said casing, and tubular eyelets at the upper end of said casing adapted to be passed through the body of a hat.

5. A ventilator and perfume or medicament container for hats comprising a thin laterally curved hollow casing open at both ends, the lower end of said casing being provided with means of attachment to the hat, the upper end of said casing having tubular eyelets adapted to be passed through the body of a hat, and a perforated supporting shelf within said casing adapted to support medicament or perfume.

6. A ventilator and perfume or medicament container for hats comprising a rela-

tively thin hollow casing open at both ends
laterally curved to fit the head, formed in
two sections and telescoping into each other,
the lateral edges of said casing being in-
5 clined to the ends, the interior of the casing
being provided with a perforated shell for
supporting the medicament, the upper end
of the casing having perforated lugs and
tubular eyelets passing through the lugs and

adapted to permit outflow of air from the 10
hat.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

HARRY D. BARNES.

Witnesses:

CHAS. S. BOWMAN,
J. FRANK BALSBY.