

Aug. 26, 1930.

E. WITTCOFF

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HAT

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Fig. 1.

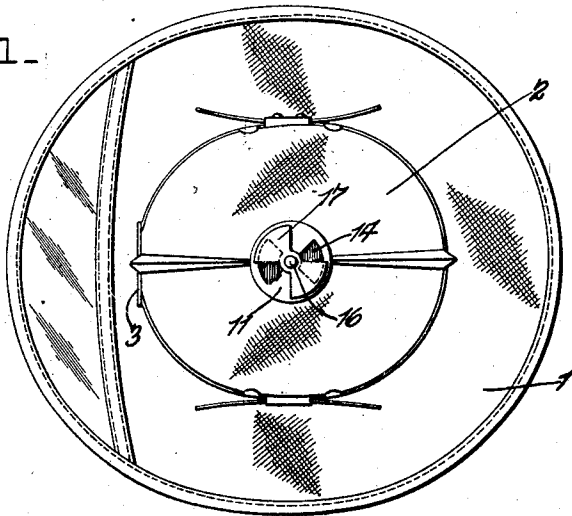


Fig. 2.

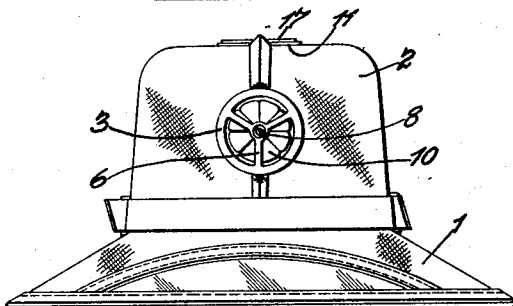


Fig. 3.

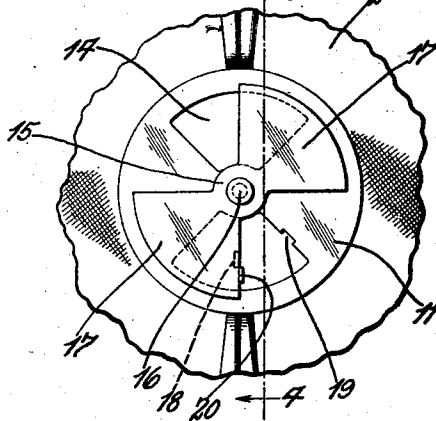


Fig. 5.

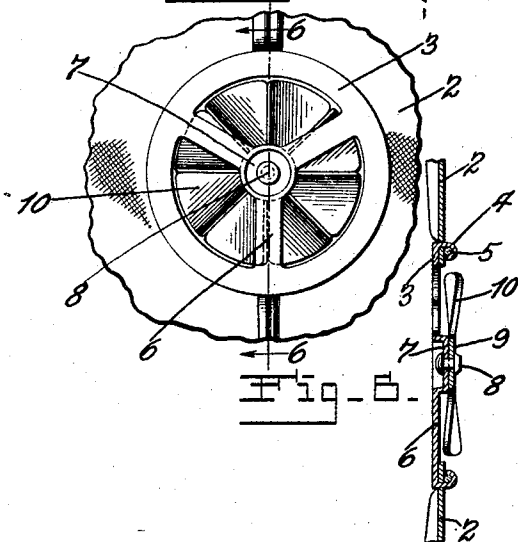
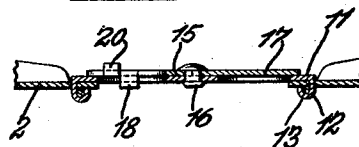


Fig. 4.



Inventor:
Edward Wittcoff,
by Ripsey & Kingsland,
His Attorneys.

UNITED STATES PATENT OFFICE

EDWARD WITTCOFF, OF ST. LOUIS, MISSOURI

HAT

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This invention relates to hats, and has special reference to ventilating devices for use in connection with hats to permit circulation of air into and from the hat when the hat is worn.

An object of the invention is to provide a hat having a ventilating device comprising an opening through one side of the hat crown, and means supported adjacent to said opening for stirring or agitating the air passing through said opening into the hat.

Another object of the invention is to provide a hat with a ventilating device comprising an opening in the crown of the hat, and means for varying the size of said opening to vary the amount of air that may pass into or from the hat through said opening.

Another object of the invention is to provide ventilating means for a hat comprising the two devices or structures previously mentioned.

Other objects will appear from the following description, reference being made to the accompanying drawing in which

Fig. 1 is a top plan of my improved hat.

Fig. 2 is a front elevation.

Fig. 3 is an enlarged top plan view of the ventilating device on the top of the crown of the hat.

Fig. 4 is a sectional view on the line 4—4 of Fig. 3.

Fig. 5 is an enlarged view of the ventilating device and agitator located at the front of the hat.

Fig. 6 is a sectional view on the line 6—6 of Fig. 1.

The hat shown comprises a brim 1 and a crown 2 and may be made of any suitable material, whether woven or felted. The front side of the crown is formed with an opening of relatively large diameter and preferably circular. Against the edge of the crown around the opening a ring 3 is secured by projections 4 on the ring passing through the wall of the crown and being clamped or bent around a ring 5 on the inside of the hat. This ring 3 has a number of converging radial arms or spokes 6 united at the center of the ring in an inwardly dished disc or hub 7. The arms or spokes 6 are of comparatively narrow

width, being of only such width as is necessary to obtain the required strength. The disc 7 supports an axial pin 8 on which a rotative agitator is mounted.

This agitator comprises a plate split radially from a central portion 9 to the periphery of the plate and forming a number of arms 10 bent obliquely to the axis of the pivot 8, but not into contact with the arms or spokes 6. It is essential that this agitator device, comprising the part 9 and the arms 10 radiating therefrom, be free to rotate by the pressure of the air entering the hat through the hole in the crown around which the ring 3 is secured.

The hat may also be provided with a ventilating device in the top side of the crown and such an embodiment is shown. In order to ventilate through the top of the crown a hole is provided over which a thin relatively flat plate 11 is secured by arms 12 passing through the marginal portion of the crown around the hole and being clamped or hooked upon a ring 13 on the inside of the crown. This thin flat plate 11 is cut to provide a number of holes 14 therethrough for the admission of air into the crown and the passage of air from the crown. The area of the holes 14 and the area of the intervening portions of the disc are the same. A device for opening and closing the holes 14 is provided, the same comprising a central thin flat disc 15 pivoted to the center of the disc 11 by a pivot 16 and having a pair of thin and relatively flat arms 17 of sufficient width to close the holes 14 or to open said holes completely when placed upon the intervening portion of the disc 11. This disc 15 is held in frictional engagement with the disc 11 so that it will not be turned of its own accord, or accidentally, but may be turned to different selected adjustments in which it will remain.

A projection 18 from one of the arms 17 extends into one of the holes 14 and is arranged to engage in a notch 19 to block further rotative movement of the disc 15 when the arms 17 are in position to close the holes 14 completely, and also arranged to engage against the opposite edge of the hole 14 to block further movement of the disc 15 when

the arms 17 are in position to open the holes 14 completely.

To facilitate manipulation of the disc 15 one of the arms 17 is provided with an outward projection 20 which may be engaged by the finger.

From the foregoing it must be apparent that my invention comprises means for affording thorough ventilation of a hat when worn. I do not restrict myself to a construction in which both ventilating devices are used, but desire to claim a construction in which either or both ventilators are present. The device may be otherwise varied without departure from the nature and principle of the invention.

I do not restrict myself unessentially, but what I claim and desire to secure by Letters Patent is:—

20 1. A hat comprising a crown having an opening through the wall thereof, a thin and relatively flat plate covering said opening and seated against one surface of the marginal portion of the crown around said opening and having holes communicating with
25 said opening and of approximately the same area as the spaces between said holes, arms in connection with the margin of said plate extending through the marginal portion of the crown around said opening, a ring seated against the marginal portion of the opposite surface of the crown from said plate and engaged by said arms, a disc pivoted to the center of said plate, and arms integral with
30 and projecting from said disc and being of a size to close said holes through said plate in one position of said arms and to seat upon said plate between said holes in another position.

40 2. A hat comprising a crown having an inlet opening through one portion thereof and having an outlet opening through another portion thereof, a thin and relatively flat plate covering said outlet opening and having holes communicating with said outlet
45 opening and of approximately the same area as the spaces of said plate between said holes, fasteners in connection with the marginal portion of said plate extending through the crown around said opening, a ring engaged by said fasteners on the opposite side of the crown from said plate, a disc seated against
50 said plate between said holes, arms in connection with said disc having an area sufficient to cover said holes respectively, and a pivot extending axially through said disc and through said plate and frictionally holding said disc on said plate and preventing
55 accidental turning of said disc and said arms and permitting turning of said disc and said arms to place said arms over said holes or intermediate of said holes as desired.

EDWARD WITTCOFF.