

WILLIAM DALE.

Improvement in Hats and Caps.

No. 120,629.

Patented Nov. 7, 1871.

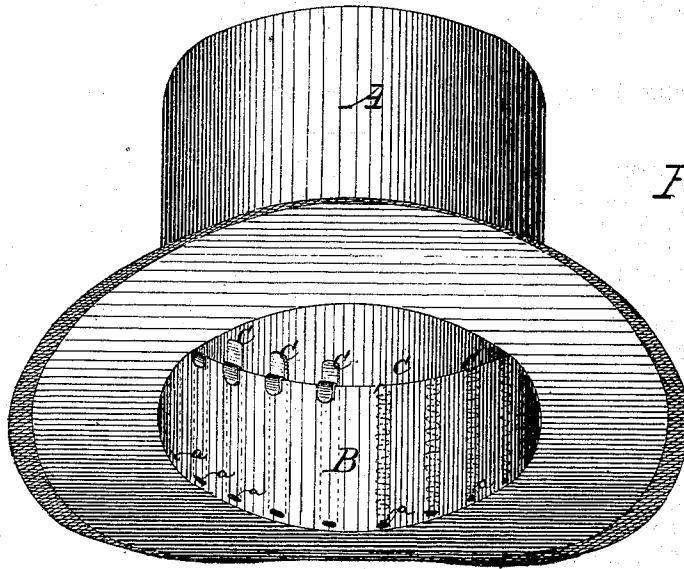


Fig. 1

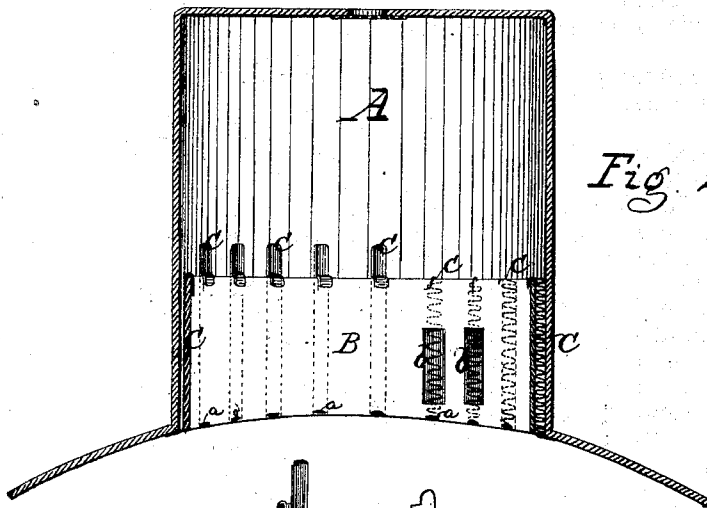


Fig. 2

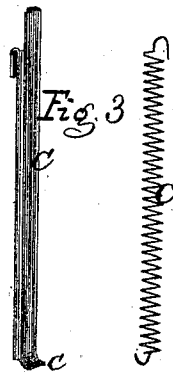


Fig. 3

Attest
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WILLIAM DALE, OF NEW YORK, N. Y.

IMPROVEMENT IN VENTILATORS FOR HATS AND CAPS.

Specification forming part of Letters Patent No. 120,629, dated November 7, 1871.

To all whom it may concern:

Be it known that I, WILLIAM DALE, of the city, county, and State of New York, have invented a certain Improvement in Ventilators for Hats and Caps, of which the following is a specification:

The nature of this invention consists in the employment of a tube composed of spiral wire, to give it a yielding quality, inserted under the lining or sweat-band of a hat or cap, for the purpose of forming at suitable points air-passages around the interior lower end of a hat or cap, which passages shall not be closed when the hat or cap is placed on the head of a person, but remain open from end to end for the free passage of air through them to secure a perfect circulation of air.

Figure 1 is a perspective view of a hat embodying my improvement. Fig. 2 is a section thereof. Fig. 3 shows detached views of the air-tube in two forms.

The same letters of reference are employed in all the figures in the designation of identical parts.

The hat A is provided with the usual sweat-band B, fastened at its lower end and extending up some distance into the crown of the hat. Apertures *a a* are cut through this band or skiver at as many points as it may be deemed desirable to admit air into the crown of the hat, and these apertures open directly into small tubes C inserted under or behind the sweat-band, and should be covered by the lower open end of such tubes in such a manner that they may not be closed on putting on the hat. The apertures may be of the form shown throughout in Fig. 1 and

partly in Fig. 2; or long slots *b b*, as illustrated in Fig. 2, may be used instead or in connection with such smaller apertures. The preferable form of air-tube is one made of fine wire coiled or wound into a spiral, as shown in Fig. 3, by reason of its elasticity; but the other form shown in Fig. 3 may be used with advantage. The tube is fastened at its lower end by passing it through the leather band and folding the extreme end smoothly down upon it. The upper end, on the contrary, is simply hooked over the top of the sweat-band, as clearly indicated. Where unyielding tubes are used one end should be provided with a short projecting lip, *c*, to be bent down after passing through the band at the lower end, while its other end should be split a little distance, so that one side may be bent over the top edge of the band, as shown.

By the use of these air-tubes in hats or caps a perfect circulation of air through the hat or cap may be maintained and the head kept perfectly cool, a suitable opening being formed in the top of the hat or cap.

What I claim as my invention, and desire to secure by Letters Patent, is—

A hat or cap, constructed with air-tubes C under the sweat-band B, the tubes being formed and arranged substantially in the manner set forth.

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

WILLIAM DALE.

Witnesses:

D. P. HOLLOWAY,
B. EDW. J. EILS.