Albright & DeLange.

Ventilating Hats.

No 48222 Patented Jun. 13, 1865.

Fig. 3.

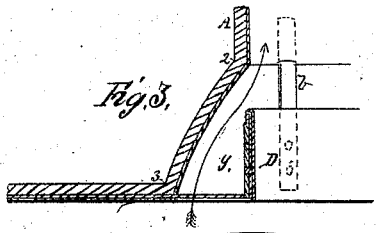


Fig. 1.

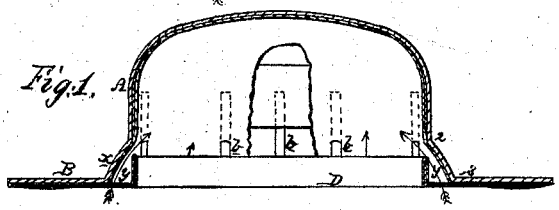


Fig. 2.

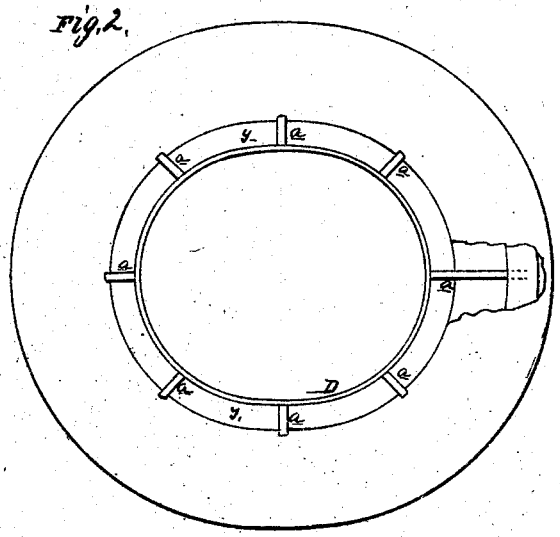
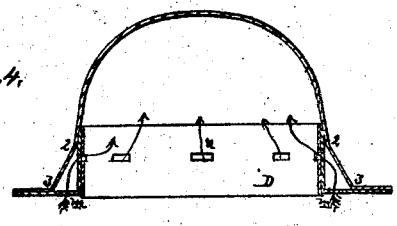


Fig. 4.



Witnesses
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Henry Howson

UNITED STATES PATENT OFFICE.

DANL. K. ALBRIGHT, OF PHILADELPHIA, PENNSYLVANIA, AND LEO H. DÉ LANGE, OF BORDENTOWN, NEW JERSEY.

IMPROVEMENT IN HATS.

Specification forming part of Letters Patent No. **48,222**, dated June 13, 1865.

To all whom it may concern:

Be it known that we, D. K. ALBRIGHT, of Philadelphia, Pennsylvania, and L. H. DÉ LANGE, of Bordentown, New Jersey, have invented certain Improvements in Ventilated Hats; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Our invention consists in enlarging the body of a hat near the brim, so that an annular space may be formed within the enlargement, and a thorough ventilation of the hat thereby insured.

In order to enable others skilled in the art to make our invention, we will now proceed to describe the manner of constructing the same.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 is a section of our improved hat; Fig. 2, an inverted plan view; Fig. 3, a section of part of the hat drawn to an enlarged scale, and Fig. 4 a sectional view of a modification of our invention.

Similar letters refer to similar parts throughout the several views.

On reference to Figs. 1, 2, and 3, A represents the body, and B the brim, of the hat, which may be made of felted fabric and lined in the usual manner.

D is the head-band, consisting in the present instance of a strip of thin steel bent to fit the wearer's head, the strip being covered with leather or suitable fabric, and being connected to the brim by a series of thin steel strips, *a*, Fig. 2, and the upper edge of the band being connected by similar steel strips, *b*, to the body of the hat.

At *x*, where the body of the hat meets the brim, the former is enlarged in diameter, the enlargement from the point 2 to the point 3, Fig. 1, being of the rounded form shown, or it may be of any other form which will allow an open space, *y*, between the band and body of the hat.

It will be seen that, while the elastic band will yield and accommodate itself to the form of the wearer's head, the annular opening permits the free admission of air into and its circulation within the interior of the hat, the strips *a* and *b* presenting no material obstruction to this free admission of air.

In the modification illustrated in Fig. 4 the upper edge of the elastic head-band is in contact with the interior of the body of the hat, the body being enlarged, as before, so as to leave an annular space, *y*, into which air is admitted through openings *m*, and from which the air passes, through openings *n*, into the body of the hat, above the wearer's head.

Many attempts have been made to construct hats through the interior of which air might circulate. Corrugated bands, for instance, have been used, and elastic strips bearing against the forehead in such a manner and so arranged that there shall be a narrow space for the admission of air between the band and the hat.

In all the ventilating-hats heretofore made the openings for the passage of air have been so contracted that the ventilation was imperfect compared with that effected by the arrangement described above, which reduces the hat or cap to a simple shelter against rain and the rays of the sun, the wearer's head being in contact with the band only, and all other portions of the hat maintained at such a distance from the head that the latter is almost as much exposed to the external air as though the hat were absent.

Thin steel, brass, hard rubber, and other materials may be used for the band and connecting-strips, which can be attached to straw or cloth hats, as well as to those made of felt.

Without confining ourselves to any specific material of which to make the body, brim, or elastic band or strips of the hat, we claim as our invention and desire to secure by Letters Patent—

Enlarging a hat near the brim, so that an annular space may be formed within the enlargement, in the manner and for the purpose specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

DANL. K. ALBRIGHT.
LEO H. DÉ LANGE.

Witnesses:
CHARLES E. FOSTER,
JOHN WHITE.