WILLIAM DALE.

Ventilators for Hats.

No. 125,725. Patented April 16, 1872.

Fig. 1.

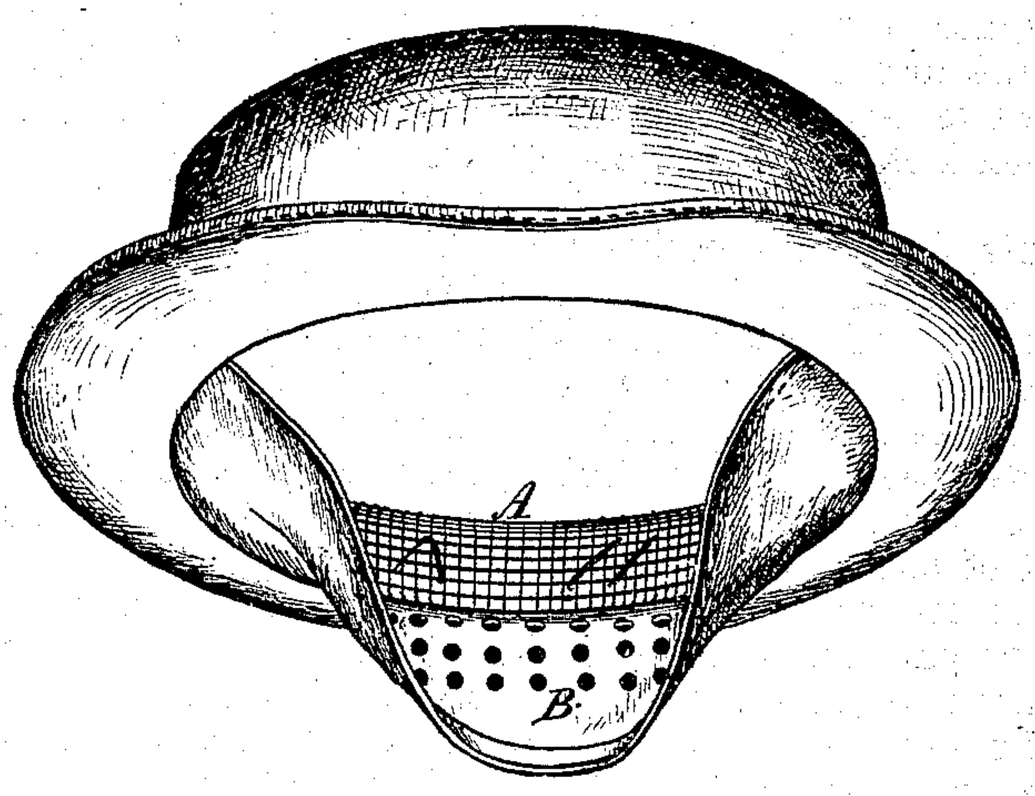
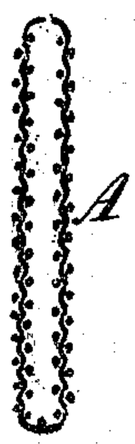


Fig. 2.



Witnesses.

A. Ruppert Jr.
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125,725

UNITED STATES PATENT OFFICE.

WILLIAM DALE, OF NEW YORK, N. Y.

IMPROVEMENT IN VENTILATORS FOR HATS.

Specification forming part of Letters Patent No. 125,725, dated April 16, 1872.

Specification describing a certain Improvement in Ventilators for Hats and Caps, invented by WILLIAM DALE, residing at New York city, county, and State.

The nature of my invention consists in constructing the ventilator, which is inserted behind the perforated sweat-band in the ordinary manner, of common fine wire-cloth, folded so as to leave a narrow space between the two leaves, through which the air entering through the perforations in the sweat-band may freely circulate to keep the head of the wearer cool at all times.

In my former patents, dated, respectively, November 7 and December 23, 1871, I have shown ventilators consisting of a series of unconnected tubes in one case, and of a wire fabric composed of a series of spiral strands interlocked in the other case. It has been found, in carrying the latter invention into practice, that the cost of such a ventilator is too great to admit of its being generally adopted. But the principal defect in both of these patented ventilators consists in the fact that the lower ends of the tubes or strands of the wire fabric are apt to pass through the perforations in the sweat-band and scratch the head of the wearer. This serious objection is entirely overcome by the use of a ventilator made of common wire-cloth in the manner briefly stated above, and inserted behind the sweat-band, fold downward, so as to present no raw edge or sharp points opposite to the perforations.

Figure 1 represents a perspective view of a hat, part of the sweat-band being turned out to expose the ventilator behind it. Fig. 2 is a transverse section of the ventilator detached.

The same letters of reference denote identical parts.

The ventilator A is formed from a sheet of wire-cloth of the desired fineness by bending a narrow flange up along each side, and then folding the sheet in the middle into the form clearly shown in Fig. 2, a narrow space being thus left between the leaves of the cloth thus bent, through which the air can freely circulate. This ventilator is to be inserted behind the sweat-band B, with its folded end downward, so as to present a smooth surface opposite to the perforations in the sweat-band, and at the line where the head will press against it. The raw edges of the wire-cloth, being at the top, are covered by the non-perforated portion of the sweat-band, and, as no pressure bears against them, the ends of the wires cannot pass through the sweat-band and injure the wearer's head.

This ventilator can be made at a very low price; and, in consequence of its construction, it also is sufficiently elastic to accommodate itself to a person's head.

I am aware that it has heretofore been proposed to make ventilators for this purpose of common wire-cloth of double thickness, with a narrow space between; but the wire-cloth was to be folded in such a manner as would necessarily cause it to present a raw edge at certain points of the opening where the air enters, through which the sharp wires would project and injure the head of the wearer. And in this respect such a ventilator is objectionable, and cannot be used in practice, the same as the one described in my Letters Patent of December 23, 1871.

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

The herein-described ventilator A for hats and caps, composed of common wire-cloth bent into the form shown, so that it shall present a continuous smooth surface opposite to the openings through which the air enters behind the sweat-band.

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

WILLIAM DALE.

Witnesses:

THOMAS BISGOOD,

G. M. LIBBY.