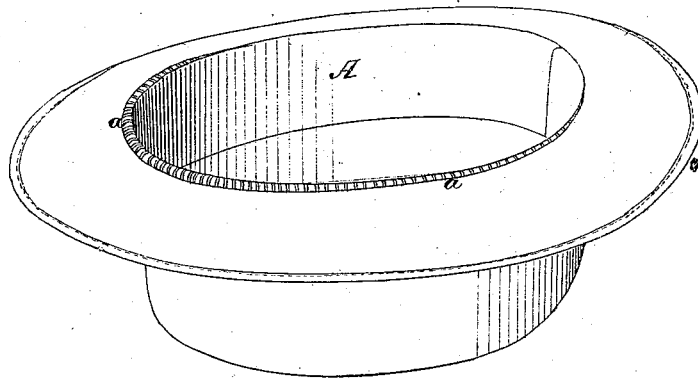


*H. A. House,*  
*Ventilator.*

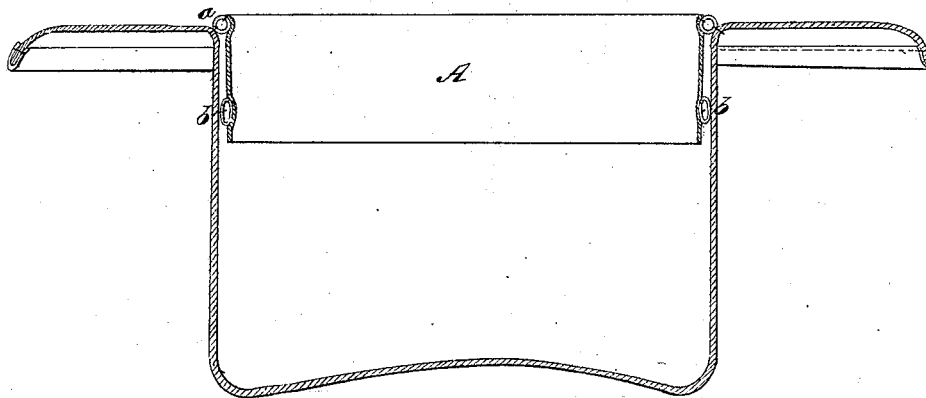
*No. 113054.*

*Patented Mar. 28 1871.*

*Fig. 1*



*Fig. 2*



*Witnesses.*  
*R. T. Campbell.*  
*J. K. Campbell.*

*Inventor*  
*Henry A. House*  
*by*  
*Mason, Fennick & Lammes.*

# UNITED STATES PATENT OFFICE.

HENRY A. HOUSE, OF BRIDGEPORT, CONNECTICUT.

## IMPROVEMENT IN VENTILATORS FOR HATS.

Specification forming part of Letters Patent No. **113,054**, dated March 28, 1871.

*To all whom it may concern:*

Be it known that I, HENRY A. HOUSE, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and Improved Ventilator for Hats and Caps; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a perspective view of a hat having my improved ventilator applied to it. Fig. 2 is a diametrical section through the hat.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in a hat or cap which has its sweat-band isolated from its body by means of two annular wire coils, which are separated so as to leave a space between them, and which serve as means by which the sweat-band is sewed to the head-covering, as will be hereinafter explained.

The following is a description of my invention:

In the accompanying drawing, *a b* represent two small coils of wire, which are sewed between the sweat-band *A* and the body of the cap. The coils are made of fine wire, and are arranged at such a distance apart as to leave an air-circulating space, *c*, between them all around the cap.

The coil *a* serves to keep open the channel between the sweat-band and cap at the lower edge of the band, and this coil *a* serves as a means for allowing this edge of the band *A* to be sewed to the hat.

The coil *b*, which is near the upper edge of the band *A*, is intended to prevent this edge from being pressed closely against the body of the cap when drawn upon the head. This upper coil, *b*, also serves to keep open the space *c* when the hat is on the head.

I am aware that coils of wire have been introduced between sweat-bands and head-coverings for allowing ventilation, and I do not claim, broadly, this feature.

I am also aware that it is not new to introduce a single flattened coil between the body of a hat and its sweat-band. Such a coil, if made wide enough, might answer very well, so far as ventilation is concerned; but it is obvious that it would be very stiff and uncomfortable to the head of the wearer.

By the employment of two small coils of fine wire, separated by a space, *c*, the passage between the sweat-band and hat will be kept open. At the same time that portion of the sweat-band which is between the two coils will accommodate itself comfortably to the head, and neither coil will press hard on the head.

Having described my invention, I claim—

The combination, with a head-covering and its sweat-band, of two spring-coils, *a b*, and an intermediate chamber, *c*, said coils being sewed to the hat and sweat-band, as shown and described.

HENRY A. HOUSE.

Witnesses:

GEORGE C. BISHOP,  
J. A. VINTON.