P. N. Horsley,
Ventilator.

No. 35,446. Patented June. 3. 1862.

Fig: 1.

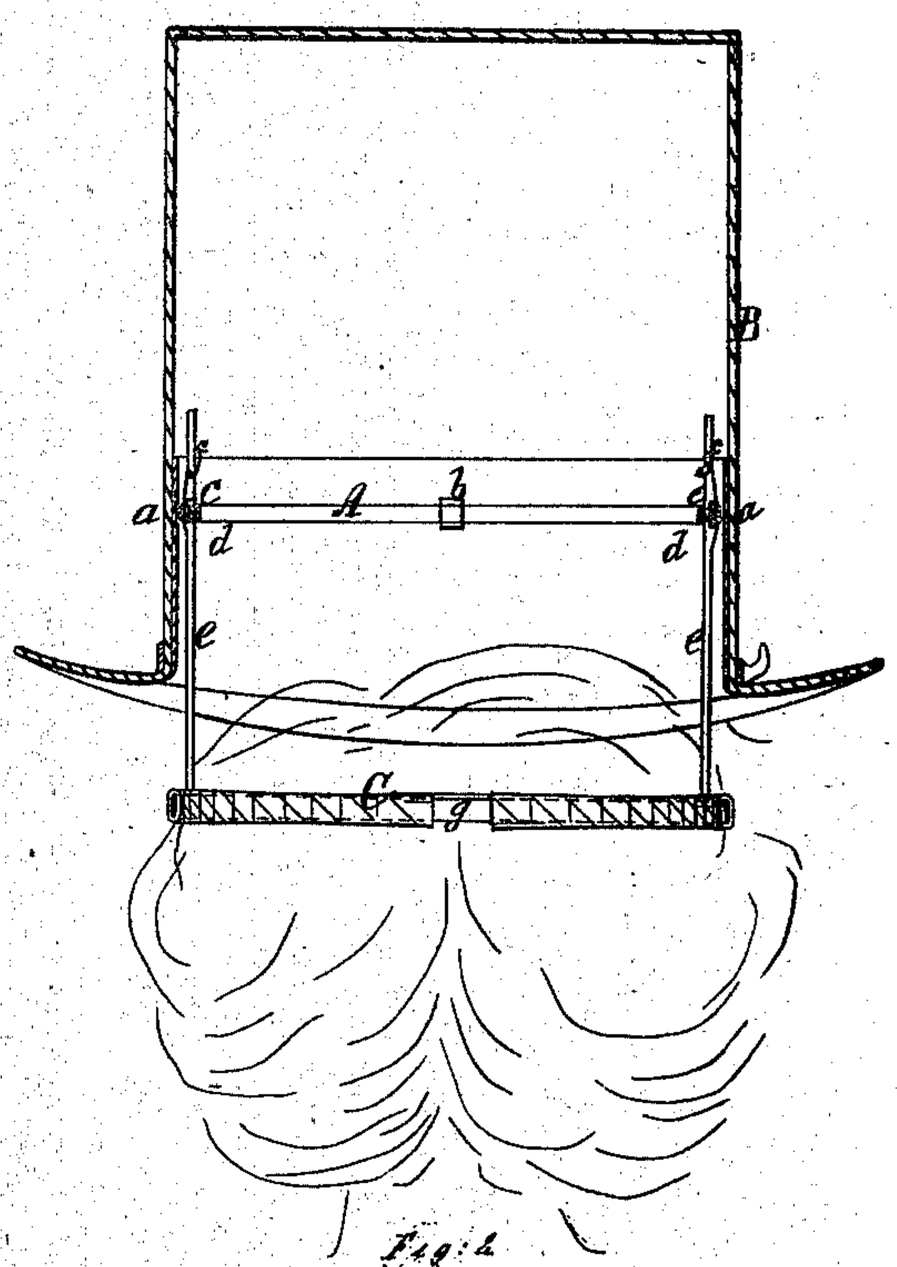
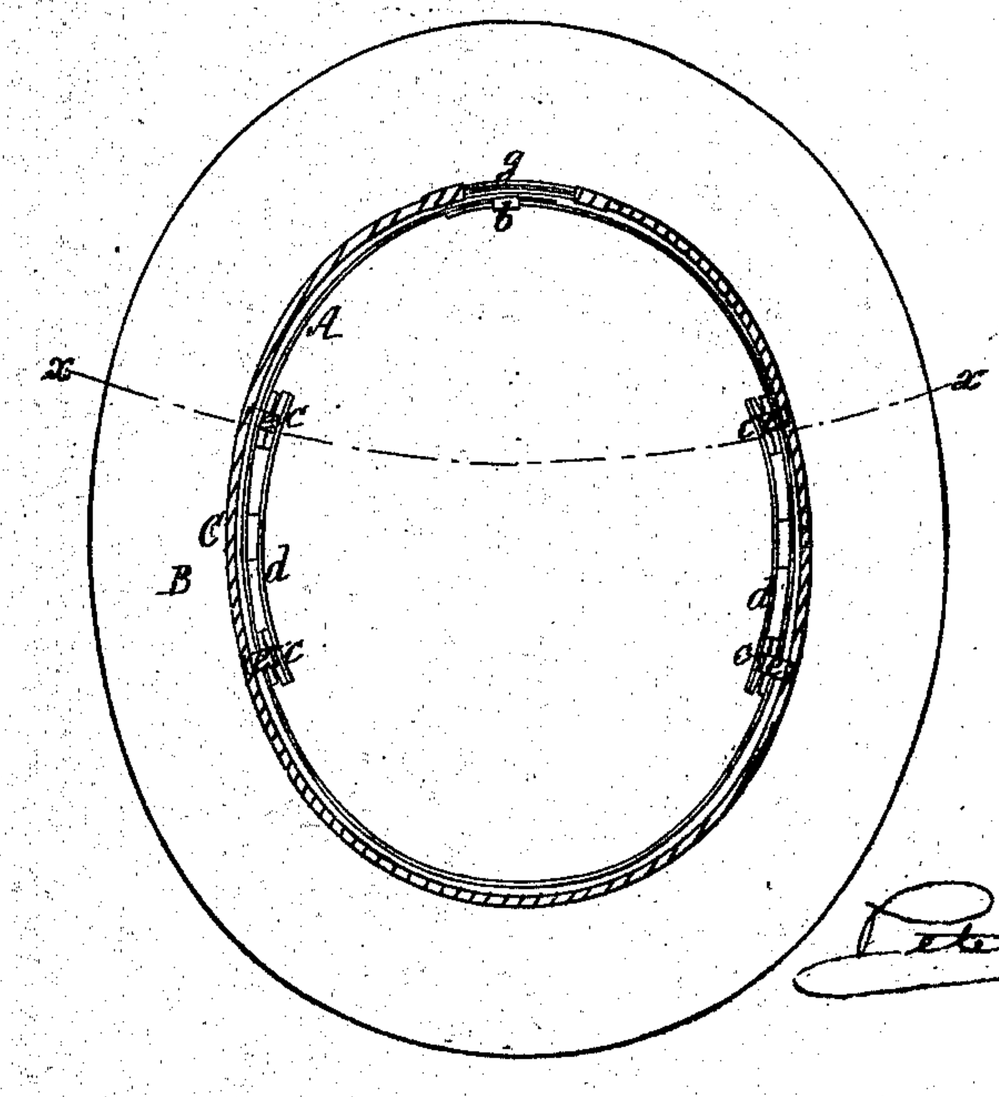


Fig: 2.



Witnesses.
James Laird
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UNITED STATES PATENT OFFICE.

PETER N. HORSLEY, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN VENTILATORS FOR HATS.

Specification forming part of Letters Patent No. **35,446**, dated June 3, 1862.

To all whom it may concern:

Be it known that I, PETER N. HORSLEY, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Ventilator for Hats, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a vertical section of my invention, taken in the plane indicated by the line *x x*, Fig. 2. Fig. 2 is an inverted plan of the same.

Similar letters of reference in both views indicate corresponding parts.

This invention consists in the arrangement in the interior of a hat or other head-covering of a movable frame, one part of which is attached to the hat or head-covering, while its other part is made to slide in and out in such a manner that whenever the wearer desires the hat or head-covering can be raised from the head and retained in such a position that the air has free access to the interior of the hat or other head-covering all round the head, and that by this action an agreeable and cooling ventilation is effected.

To enable those skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawings.

A ring, A, made of spring-steel, is secured in the interior of the hat B by means of spikes *a*, or in any other convenient manner, its ends being connected by a clasp, *b*, so that they can be drawn in or out, and that the same ring can be used for hats of different size. This ring is provided with four (more or less) spring-sockets, *c*, made by fastening to the inner side of said ring two short springs, *d*, the ends of which are provided with notched strips of metal, so that when said springs are permitted to bear down upon the inner surface of the rings the notches in their ends form sockets, and by pressing back the springs the notches are thrown open. It is obvious, however, that these sockets might be constructed in any other convenient manner.

The spring-sockets *c* form the guides for the upright rods *e*, to the outer ends of which the second ring, C, is rigidly attached. The rods *e* are provided with notched bearings *f*, and when drawn out to the proper spot said bearings catch over the edge of the ring A inside the spring-sockets *c*, and the rods are prevented slipping in and out spontaneously. When it is desired to release them, the springs *d* have to be forced back, so as to open the sockets *c* and to permit the bearings *f* being forced off from the edge of ring A.

The second ring, C, is made of a steel spring, the ends of which are connected by an elastic band, *g*, so that said ring expands and accommodates itself to the size of different heads, and it is covered with cotton thread or other suitable soft and flexible material to prevent the hard metal coming in contact with the head.

If the wearer of a hat desires to relieve himself of the burning sensation and oppressive heat caused by the sun striking his hat, he lifts the hat up, so that the external air has free access to the interior of the hat, and if his hat is provided with one of my improved ventilators he slides out the second ring, C, and the hat is retained at such a distance from the head that the air has free access to the interior of the hat all round the head, as clearly shown in Fig. 1 of the drawings.

It is obvious that this attachment might be used with equal advantage with head-coverings of any other construction besides that hereinbefore described, and represented in the drawings.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The arrangement of the sliding ring C, in combination with a hat or head-covering, B, and connected to the same by rods *e* and spring-sockets *c*, or by other equivalent means, substantially as and for the purpose herein shown and described.

PETER N. HORSLEY.

Witnesses:

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