J. A. Borthwick,

Hat Ventilator.

No. 111,309. Patented. Jan. 31. 1871.

FIG. 1.

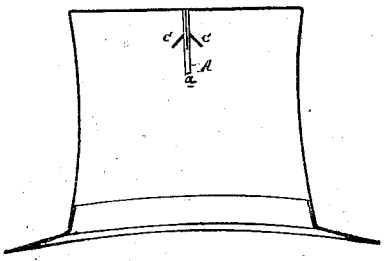

FIG. 2.

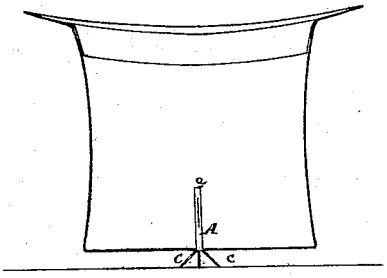

FIG. 4.

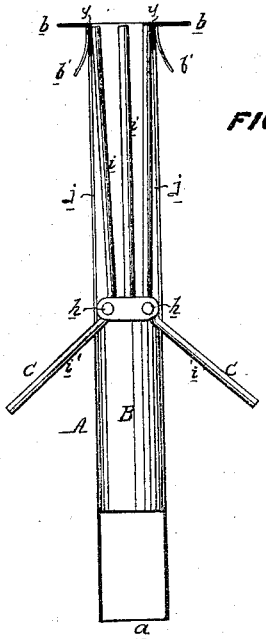

FIG. 3.

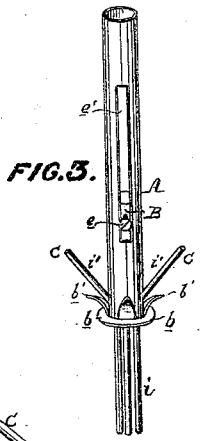

FIG. 5.

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by his Attys
Howson and Sons

WITNESSES { Wm. A. Steel.
John Parker

United States Patent Office.

JOHN A. BORTHWICK, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND GEORGE W. HESS, OF SAME PLACE.

Letters Patent No. 111,309, dated January 31, 1871.

IMPROVEMENT IN HAT-SUPPORTERS AND VENTILATORS COMBINED.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOHN A. BORTHWICK, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented a combined Hat-supporter and Ventilator, of which the following is a specification.

Nature and Object of the Invention.

My invention consists of a supporting and ventilating device for hats, too fully described hereafter to need preliminary explanation, the main object of my invention being to prevent the soiling or rumpling of the top of a silk or other hat by supporting it at such a slight distance above the object upon which it is placed that it shall be free from actual contact with the same.

Description of the Accompanying Drawing.

Figure 1 is a sectional view of a hat with my combined supporter and ventilator;

Figure 2, the same, showing the hat inverted and supported;

Figure 3, an enlarged perspective view of the supporting and ventilating devices; and

Figures 4 and 5 enlarged sectional views of the same in different positions.

General Description.

A represents a short tube of thin sheet metal, open at both ends or closed at the end *a*, and provided at its opposite end with an outer flange, *b*, and lips *b'*, which enable it to be secured to the top of a hat in the same manner as the usual ventilating eyelet, the tube being contained entirely within the hat, as shown in figs. 1 and 2.

Within the tube there is a weighted slide, B, the motion of which is limited by a screw or pin, *e*, projecting from it into a longitudinal slot, *e'*, formed in the tube.

To one end of this weighted slide, at the points *h*, are pivoted three or other suitable number of rods or levers, C, each of which has a long arm, *i*, and short arm, *i'*, both perfectly straight throughout their length, but bent at the pivoting point at an angle in respect to each other.

When the weighted slide is drawn into the tube, as shown in fig. 4, the short arms of the pivoted rods C will project outward through longitudinal slots *j* cut in the tube, and the long arms of the said rods will be drawn closely together within the tube.

On inverting the tube the weighted slide will descend toward the lower end of the same, pushing the bent rods *c* before it, and the latter will remain in their original position, as shown in fig. 3, until their extended short arms strike the shoulders *x* at the ends of the slots *j*, when the said short arms will, owing to the presence of the weight, be immediately drawn inward against the latter, and the long arms will be correspondingly thrown outward or extended, as shown in fig. 5.

The long arms of the rods, when thus extended, serve to support the hat in the manner plainly shown in fig. 2, at a short distance above the floor, table, or other object upon which it is placed, thus preventing actual contact of the hat with such object and the soiling or rumpling of the top of the same.

The arms are prevented from folding together, or sliding up into the tube when thus extended to support the hat, by shoulders *y y*, at the end of the tube, against which they bear. (See fig. 5.)

It is not absolutely necessary that the arms *i'* of the rods should be of any greater length than is required to enable them to be acted on by the shoulders *x* of the tube, but I prefer to make them of about the length shown in the drawing, and to adapt them to grooves *p* cut in the weight, so that they may lie flat against the latter and thus firmly support the arms *i* when the latter are extended.

The above arrangement is entirely automatic in its action, and requires no handling or adjustment, the weighted slide drawing the arms into the tube and entirely concealing the same when the hat is placed upon the head, and again causing them to be extended when the hat is inverted.

The device will serve as a ventilator as effectively as the usual eyelet, as full provision is made for a circulation of air through the slots *e'* and *j*.

Claim.

A hat-supporting and ventilating device, consisting of a slotted tube arranged to be attached to the top of a hat, and containing a weighted slide, B, and pivoted supporting-arms C, the whole being arranged and operating substantially as herein described.

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

J. A. BORTHWICK.

Witnesses:

WM. A. STEEL,

F. B. RICHARDS.