

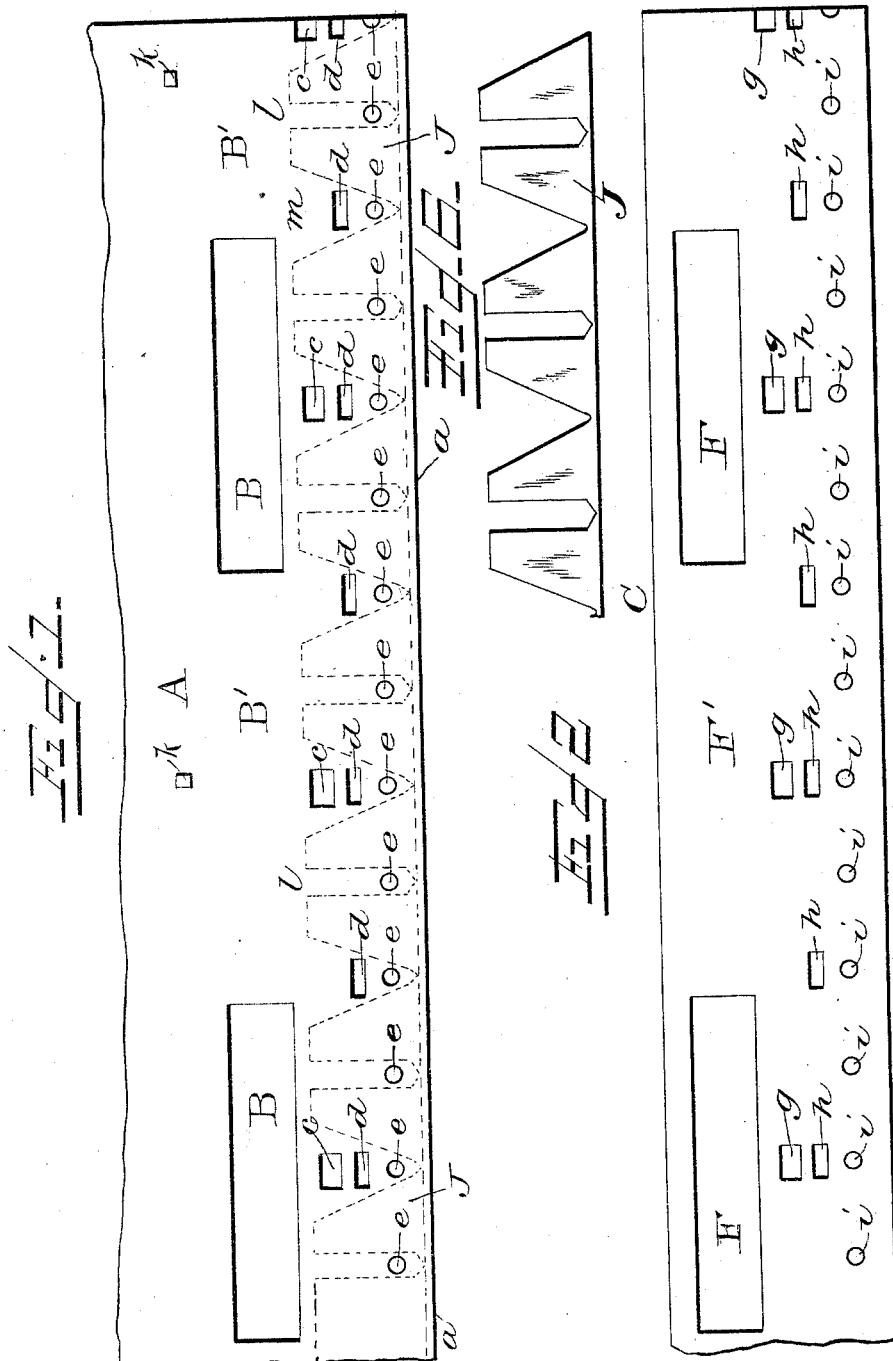
(No Model.)

2 Sheets—Sheet 1.

C. H. DAVIES.
VENTILATED HAT.

No. 488,989.

Patented Jan. 3, 1893.



WITNESSES

J. L. Orrand
M. C. Lansdale.

INVENTOR

Charles H. Davies
By John S. Duffie Attorney

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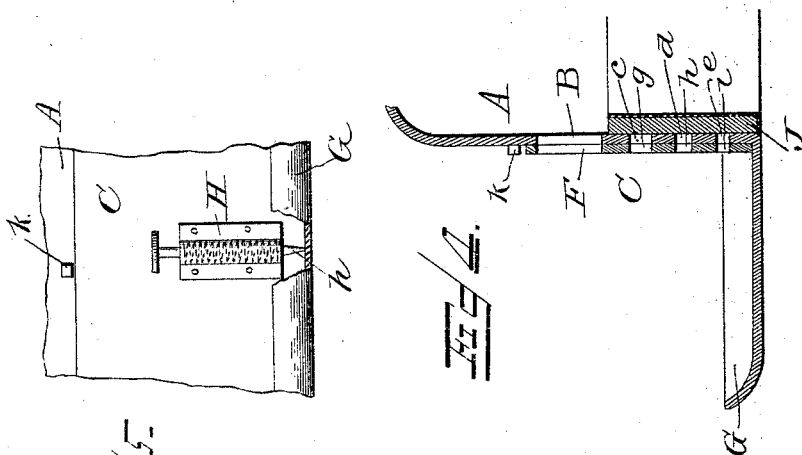
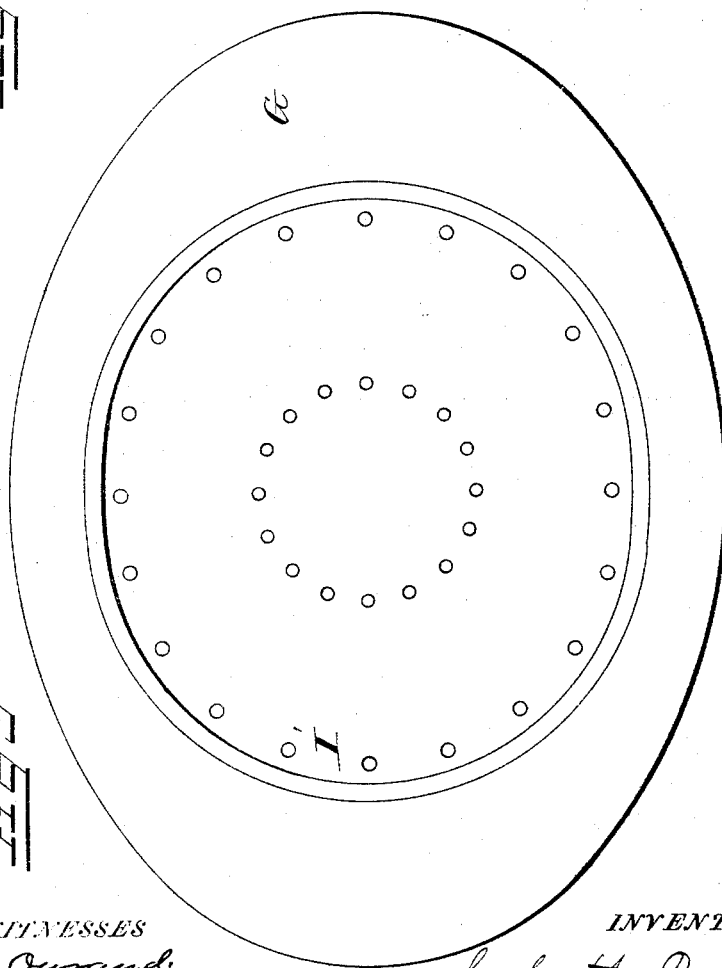


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

CHARLES H. DAVIES, OF CHENOA, ILLINOIS.

VENTILATED HAT.

SPECIFICATION forming part of Letters Patent No. 488,989, dated January 3, 1893.

Application filed June 22, 1892. Serial No. 437,626. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DAVIES, a citizen of the United States, residing at Chenoa, in the county of McLean and State of Illinois, have invented certain new and useful Improvements in Ventilated Hats; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention is a ventilated hat, and consists in the novel construction and arrangement of its parts hereinafter described.

The object of my invention is to produce a cheap ventilated hat chiefly for out door wear for farmers or other persons working in the sun and heat.

My hat is so constructed that I can let through it a draft of air immediately over the crown of the head or let into it more or less air as desired, as hereinafter shown.

In the accompanying drawings: Figure 1, is a section of the body of the hat. Fig. 2, is a section of the band. Fig. 3, is a bottom view of the hat showing the perforations in the crown. Fig. 4, is a part sectional view, and Fig. 5, is a detail showing the thumb latch, H. Fig. 6 is a plan view of band J.

My invention is described as follows:

A, is a section of the body of the hat. *a*, is the lower edge of said section which joins the brim.

My hat is provided with felt, cork, pulp, or other suitable material between its body and the sweat band, and is usually about twenty-three inches in circumference, but, of course, is made larger or smaller as the trade requires.

B, are openings two inches and one-half long, and one-half inch wide, and B', are spaces between said openings three and one-fourth inches long. There are four of these openings and four of these spaces which exactly complete the circuit of the body of the hat. The lower edge of the said openings B, is just one inch from the lower edge of the body of the hat, but may be placed higher or lower if desired.

Immediately under the center of the openings, B, and spaces B', are small openings, *c*, which extend entirely around the body of the hat. These openings are from center to center about three inches apart, and are eight in number. Immediately under said openings, *c*, and equidistant between them are openings, *d*. These openings are about one and one-half inches apart, from center to center, and are sixteen in number and extend all around the body of the hat. Immediately under said openings, *d*, and equidistant between them are small openings, *e*, which also extend all around the body of the hat and are about three-fourths of an inch apart from center to center and are thirty two in number. It is not absolutely necessary that these exact sizes of the openings, as mentioned, should be followed. They may be larger and smaller and may be nearer or wider apart so as to be adapted to different sizes of hats. It will be observed, however, that there must be a ratio between the distances from the center of the openings of the different tiers, B, *c*, *d*, *e*, as 8, 4, 2, 1.

C, is the band whose openings are exactly the same size as those in the body of the hat and exactly register with them, and are marked F, F, which correspond with B, B, and the smaller openings are marked *g*, *h*, *i*, which correspond respectively with *c*, *d* and *e*. The said band is put on the hat with its lower edge resting against the brim, G, with its openings registering with the openings in the hat. Then there is free and full ventilation through all the openings. Now, slip the band around to the left one step, about three-eighths of an inch. This brings the openings, *i*, in the band to the center of the spaces between the openings, *e*, in the hat and closes all of the openings, *g*, *h*, and *i*, and leaves only a small space of the openings, F, uncovered. Move the band to the left one step more, and all of the openings, *g*, *h*, are covered and a considerable part of the openings, F, and all of the openings, *e*, are uncovered. Now, move the band a half step more to the left and all of the openings, *g*, *h*, *e*, are covered and about one-half of the opening, F. Now, move the band to the left four steps more and all of the openings are covered, and the hat is left without ventilation. Thus it will be seen

that by the arrangement of the openings in the hat and band I can give the hat a very small amount of ventilation and a large amount. The band is kept in place by a
5 small thumb latch, H, which has a sharp point, *h*, that punctures the brim of the hat. This latch may be secured to the band in any proper way. Small stops K may be placed
10 above the band on the body of the hat to keep the band from slipping.

I, represents the sweat band. Between the sweat band and the body of the hat is a band, J, of felt, cork, pulp, or other light material having the straight vertical openings, *l*, to
15 permit the air to pass up from the openings, *e*, into the hat, and the V-shaped openings, *m*, to permit the air to pass up from the openings, *d*, *e*.

The crown of the hat may or may not be
20 provided with openings, at the will of the manufacturer.

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

1. In a ventilated hat, the combination of 25 the body A, provided with the openings B, *c*, *d*, and *e*; movable band C, having the openings F, *g*, *h* and *i*, registering with the said openings in the hat; thumb latch H, secured to the band C, and having the sharp point *h*, 30 to puncture the brim of the hat and hold the band in place, substantially as shown and described and for the purposes set forth.

2. In a ventilated hat, the combination of the body A, provided with openings B, *c*, *d*, 35 and *e*; movable band C, having the openings F, *g*, *h*, and *i*, registering with the said openings in the hat; band J, provided with the vertical openings *l*, and V-shaped openings *m*, and sweat band I, substantially as shown 40 and described and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES H. DAVIES.

Witnesses:

JOHN DOODY,
JAMES COTTER.