

(No Model.)

J. E. GOODMAN.
VENTILATED HAT.

No. 581,857.

Patented May 4, 1897.

Fig. 1.

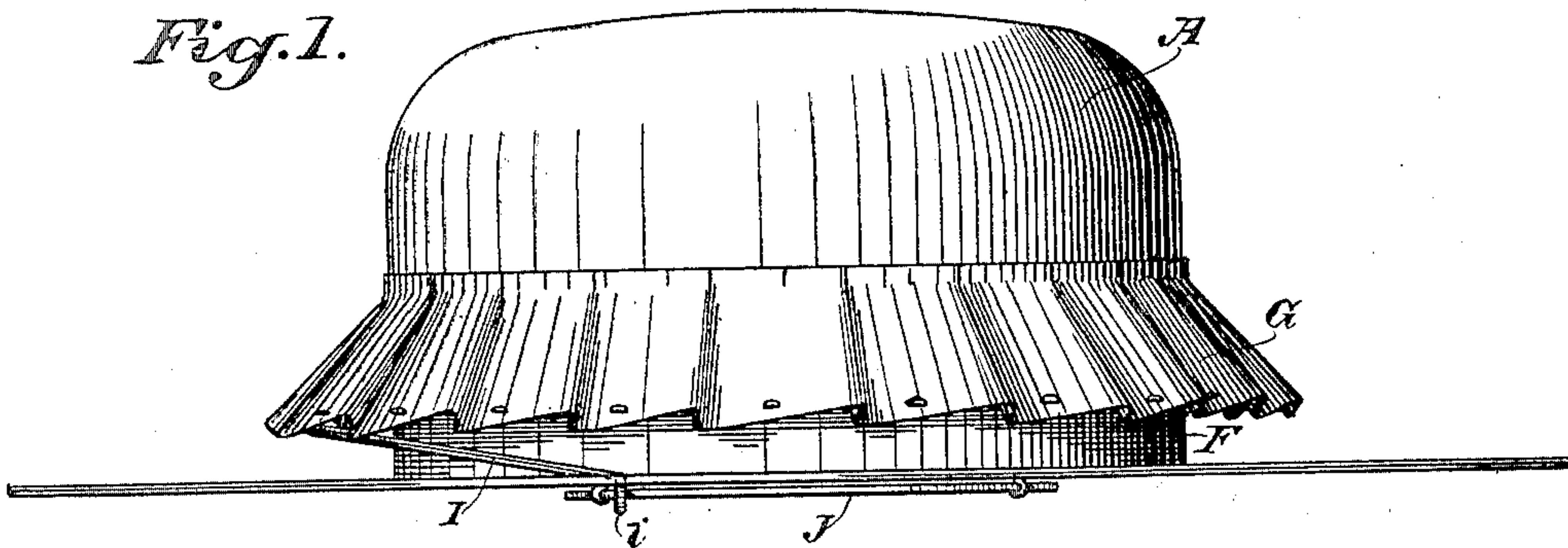


Fig. 2.

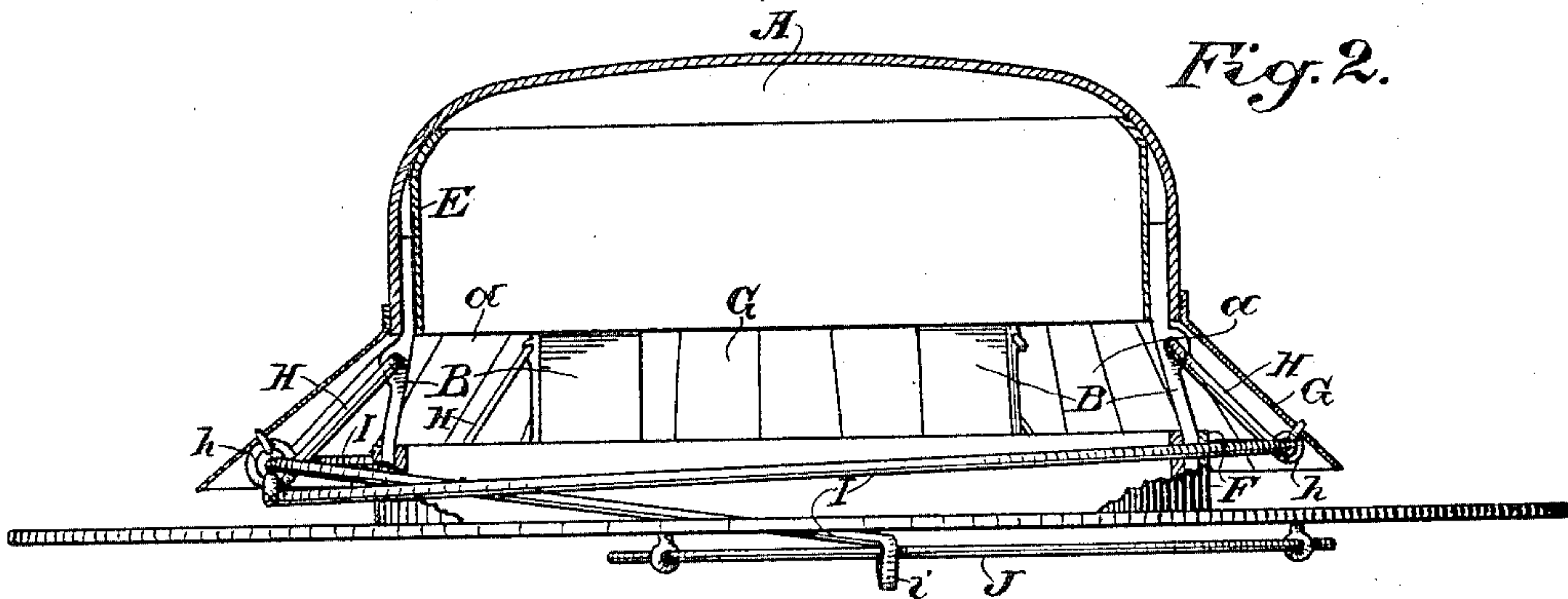
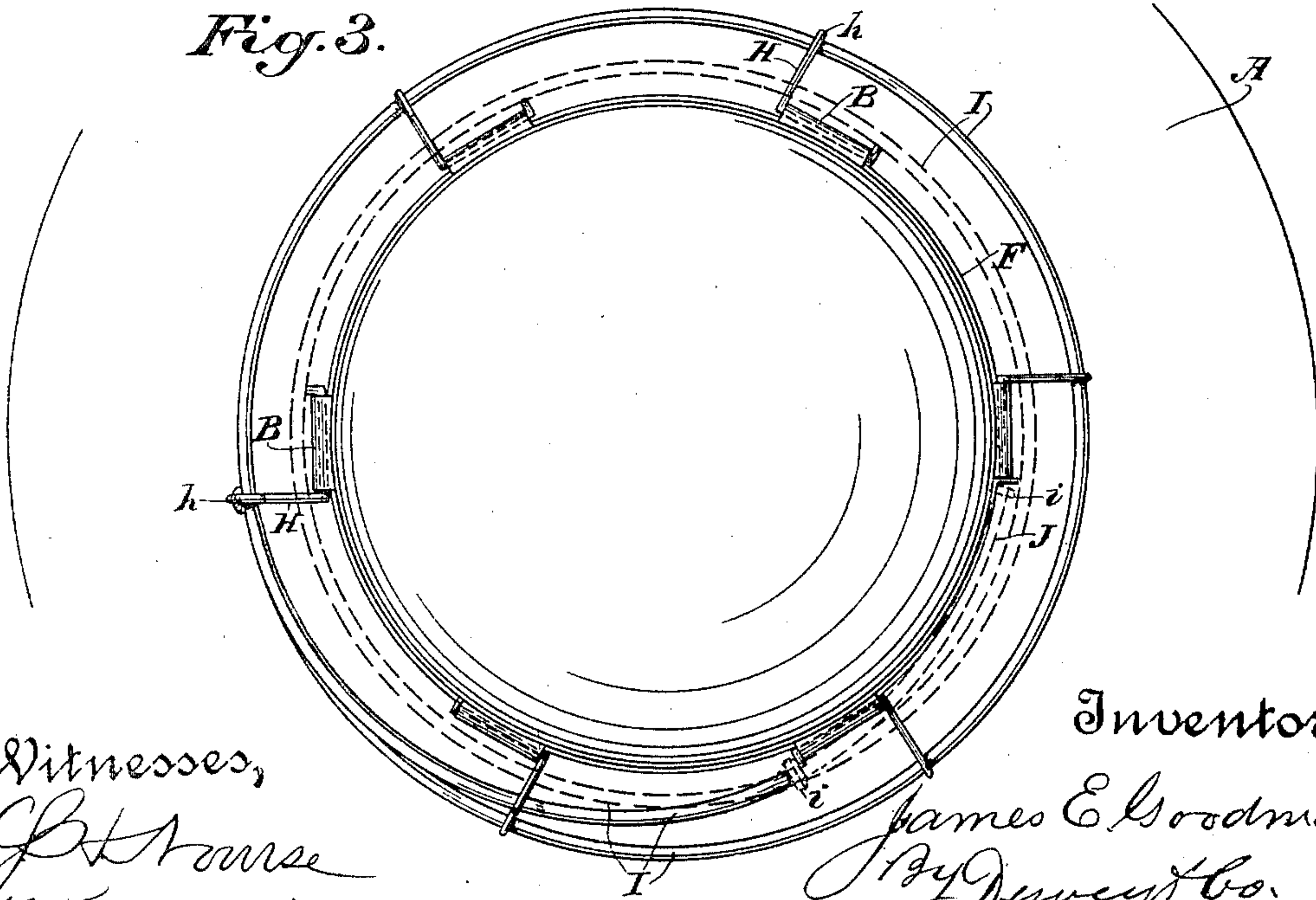


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES EDWIN GOODMAN, OF SANTA ROSA, CALIFORNIA.

VENTILATED HAT.

SPECIFICATION forming part of Letters Patent No. 581,857, dated May 4, 1897.

Application filed August 18, 1896. Serial No. 603,124. (No model.)

To all whom it may concern:

Be it known that I, JAMES EDWIN GOODMAN, a citizen of the United States, residing at Santa Rosa, county of Sonoma, State of California, have invented an Improvement in Ventilated Hats; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to the class of hats provided with ventilating devices; and it consists in the novel construction of the ventilator and the means for operating it, which I shall hereinafter fully describe.

The object of my invention is to provide a simple and perfect means for ventilating a hat, said means being under perfect control and adapted to be operated in the most convenient manner even without removing the hat from the head, whereby the ventilator can be opened as much or as little as desired and can be closed again at times when the ventilation is not needed.

Referring to the accompanying drawings, Figure 1 is an elevation of my hat, showing the ventilating-flap lifted. Fig. 2 is a vertical section of same. Fig. 3 is a top view.

A is a hat of any suitable construction, shape, and material. The crown of this hat is circumferentially severed above the brim, whereby a circumscribing or annular opening *a* is made around the crown of the hat. This opening may be of any suitable width sufficient to permit the access of all the air required. The upper or severed portion of the crown is secured to the lower portion by any suitable means—as, for example, by the standards B, arranged around at intervals and secured suitably to the upper section and to the lower section. I have here shown them as being secured at their upper ends to the inner surface of the upper section and covered interiorly by a band E, and at their lower ends said standards are secured to the outer surface of the section, being covered by the regular exterior hat-band F. Thus a neat construction is afforded and one which is easily made, though I do not confine myself to this particular mode of attachment, it being sufficient for the purposes of invention that the upper section of the crown is held permanently separated from the lower section

to form the circumscribing or annular opening *a*.

Around the exterior of the upper section of the crown is secured, by means of stitching or otherwise, the ventilator-flap G, made of any suitable flexible material—such, for example, as a silk ribbon—said flap being suitably plaited in order to give it a conical shape, fitting closely around its upper edge to the crown of the hat and having its lower edge of greater diameter than its upper edge, whereby said lower edge may be expanded outwardly. This flap extends downwardly over the circumscribing opening *a* and down to, or nearly to, the hat-brim. When the lower edge of this flap is contracted, it moves inwardly all around it and very neatly and snugly covers the circumscribing opening *a* of the hat-crown, but when it is expanded circumferentially it moves away from said opening and its lower edge is thrown outwardly and upwardly to any distance required, so that it is removed both from the hat-brim and from the hat-crown and leaves an open communication between the circumscribing opening *a* and the outer air. This flap may be operated in any suitable manner to contract and expand it, but the means which I deem best and which I employ are as follows:

H are swinging hangers or links. These in practice are made of light wire, and at their upper ends they are hinged to the hat-crown, the point of hinge being best formed at the standards B and said hinge being of any suitable construction, here shown as being formed by passing the upper ends of said hangers into and through sockets made in the standards, so that said hangers may have a swinging movement to and from the crown of the hat in radial planes. To one of these hangers is secured the end of a rim-wire I, said wire thence passing around and separated from the crown of the hat and guided freely through eyes *h* in the lower ends of the hangers until having made a complete revolution and thence overlapping its first end the other end of said wire passes down through a hole in the brim of the hat and is provided with a thumb-piece *i* upon its extremity underneath the brim. Now by taking hold of this thumb-piece and drawing it in one direc-

tion the wire I will be contracted circumferentially, so that it draws in close around the base of the hat-crown, and by moving the thumb-piece in the other direction said wire
 5 will be lengthened and will spread outwardly from the base of the hat-crown to its full limit. In these movements the wire, being connected with the swinging links, will in the contracting movement swing downwardly to
 10 the base of the hat-crown and in the lengthening movement will swing outwardly and upwardly away from it. Now I attach, by means of suitable fastenings, the lower edge of the ventilator-flap G to this rim-wire I, whereby by
 15 the operation of the rim-wire the flap will be raised to open the ventilator and will be lowered to close it.

On the under side of the hat-brim is fixed a wire J, upon which the thumb-piece i of
 20 the rim-wire is fitted, and said fixed wire J serves as a guide for said thumb-piece in being moved back and forth.

The operation can be performed either when the hat is off the head or it can be just as
 25 easily effected while the hat is still on the head by lifting the hand to and catching hold of the thumb-piece i and moving it in either direction to close the ventilator-flap or open it at such times as may be desired.

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

1. A ventilated hat, the crown of which is circumferentially severed and the upper section held apart and supported above the lower
 35 section to form a circumscribing or annular opening in the crown above the brim, and a plaited flap secured around the upper section of the crown and falling over said opening,
 40 said flap being of substantially conical form and having its bottom edge adapted to be expanded laterally.

2. A ventilated hat, the crown of which is circumferentially severed and the upper section
 45 held apart and supported above the lower section, whereby a circumscribing or annular opening is made in the crown of the hat, above the brim, a flap secured around the upper section of the crown and falling over the
 50 circumscribing opening and having its lower edge free, and means for uniformly moving said lower edge laterally to and from the lower section of the hat-crown, in order to close and open said circumscribing or annular opening.

55 3. A ventilated hat, the crown of which is circumferentially severed and the upper section held apart and supported above the lower section, whereby a circumscribing or annular opening is made in the crown of the
 60 hat above the brim, a flap secured around the upper section of the crown and falling over the circumscribing opening and having its lower edge free, and a means for moving said lower edge to and from the lower section
 65 of the hat-crown in order to close and open said circumscribing or annular opening, consisting of a circumferentially expansible and

contractible rim-wire secured in said lower edge of the flap.

4. A ventilated hat, the crown of which is
 70 circumferentially severed and the upper section held apart and supported above the lower section, whereby a circumscribing or annular opening is made in the crown of the hat above the brim, a flap secured around the upper
 75 section of the crown and falling over the circumscribing opening and having its lower edge free, and a means for moving said lower edge to and from the lower section of the hat-crown, in order to close and open said circum-
 80 scribing or annular opening, consisting of a circumferentially expansible and contractible rim-wire secured in said lower edge of the flap, and having one of its extremities passing through the brim of the hat to the lower
 85 side thereof whereby it may be operated.

5. A ventilated hat, the crown of which is circumferentially severed and the upper section held apart and supported above the lower
 90 section, whereby a circumscribing or annular opening is made in the crown of the hat above the brim, a flap secured around the upper section of the crown and falling over the circumscribing opening and having its lower edge
 95 free, and a means for moving said lower edge to and from the lower section of the hat-crown in order to close and open said circumscribing or annular opening, consisting of a circumferentially expansible and contractible
 100 rim-wire secured in said lower edge of the flap, swinging hangers carried by the hat-crown and by which the rim-wire is slidably carried, and means for expanding and contracting said rim-wire.

6. A ventilated hat, the crown of which is
 105 circumferentially severed and the upper section held apart and supported above the lower section by fixed standards at intervals, whereby a circumscribing or annular opening is made in the crown of the hat above the brim,
 110 a flap secured around the upper section of the crown and falling over the circumscribing opening and having its lower edge free, and the means for moving said lower edge to and from the lower section of the hat-crown in
 115 order to close and open said circumscribing or annular opening, consisting of the hangers pivoted to said standards, and the circumferentially expansible and contractible rim-wire secured in said lower edge of the flap, and
 120 slidably carried in the lower ends of the hangers, said rim-wire having one of its extremities passing through the brim of the hat to the lower side thereof whereby it may be operated.
 125

7. A ventilated hat, the crown of which is circumferentially severed and the upper section held apart and supported above the lower
 130 section, whereby a circumscribing or annular opening is made in the crown of the hat above the brim, a flap secured around the upper section of the crown and falling over the circumscribing opening and having its lower edge
 free, means for moving said lower edge to and

from the lower section of the hat-crown in
order to close and open said circumscribing
or annular opening, consisting of swinging
hangers carried by the hat-crown and a cir-
5 cumferentially expansible and contractible
rim-wire secured to the lower edge of the flap
and slidably carried in the lower ends of said
hangers, one end of said rim-wire extending
through the brim of the hat to the under side,

and a guide-wire under said brim on which to
the extremity of said rim-wire slides.

In witness whereof I have hereunto set my
hand.

JAMES EDWIN GOODMAN.

Witnesses:

E. T. OWINGS,
M. G. HALL.