

A. Solmans,
Ventilator.

No. 113,941.

Patented Apr. 18. 1871.

Fig 1

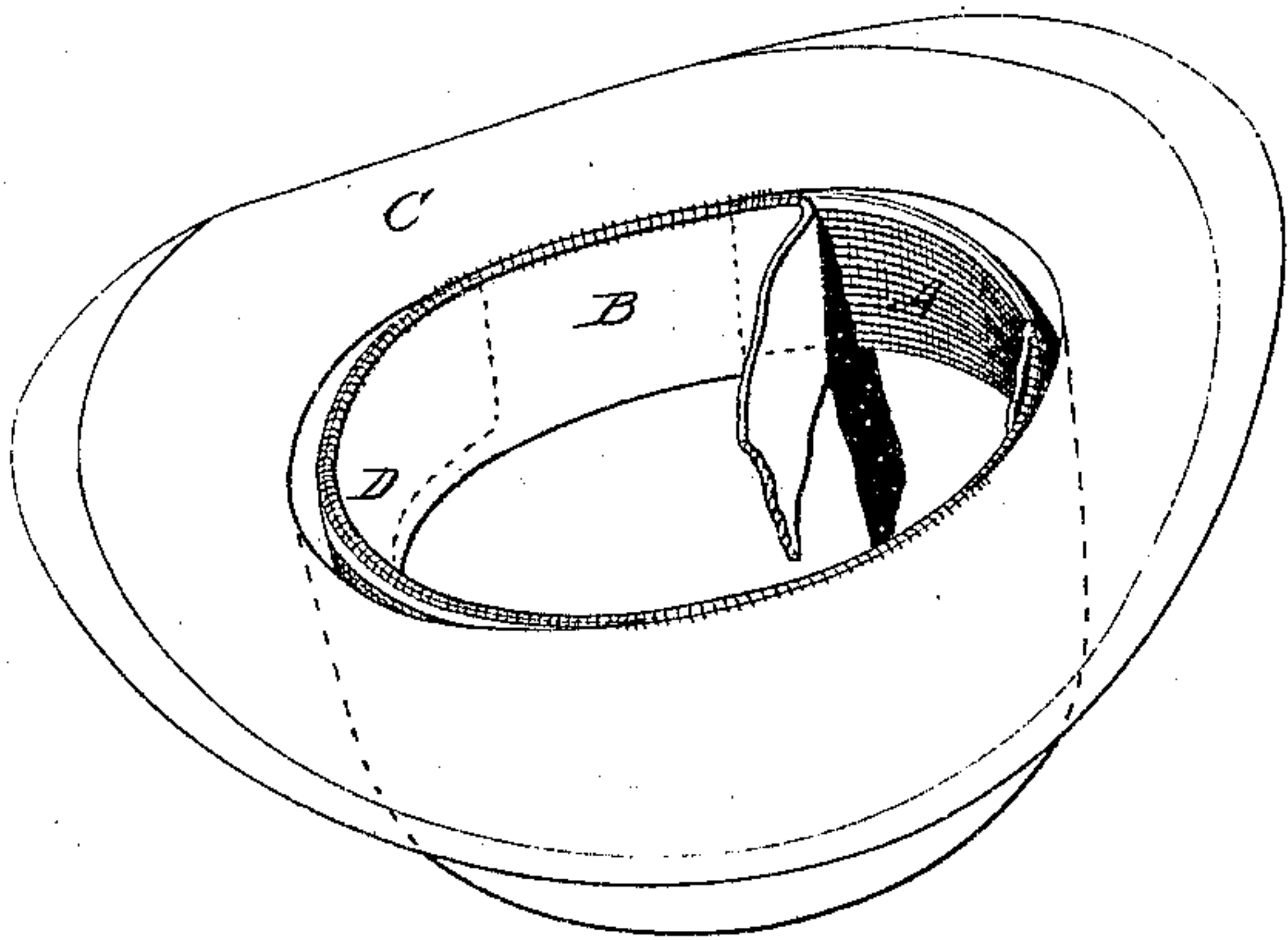
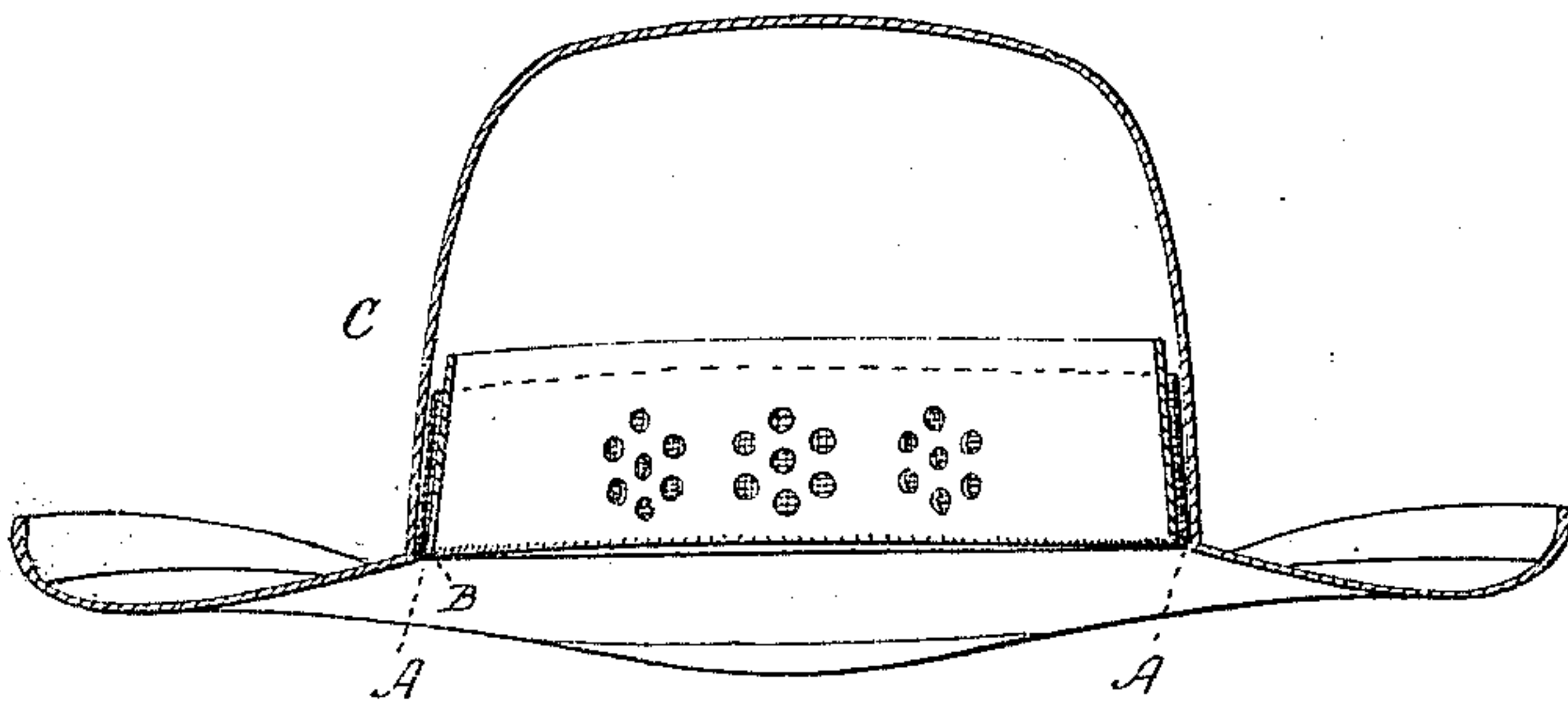


Fig 2



Witnesses.

Harry King.
Phil S. Dodge.

Inventor.

A. Solmans
by Dodge & Munn
his attys

United States Patent Office.

ALDEN SOLMANS, OF NEW YORK, N. Y.

Letters Patent No. 113,941, dated April 18, 1871.

IMPROVEMENT IN HAT-VENTILATORS.

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

To all whom it may concern :

Be it known that I, ALDEN SOLMANS, of New York, in the county of New York and State of New York, have invented certain Improvements in Hat-Ventilators, of which the following is a specification, reference being had to the accompanying drawing.

My invention relates to hat-ventilators, and consists in placing or arranging elastic wire-gauze between the sweat and the body of the hat in such a manner as to serve as a ventilator and also to make the hat conform to the shape of the head.

In the drawing—

Figure 1 is a perspective view of the interior of the hat, with a portion of the sweat turned back to show the wire-gauze ; and

Figure 2 is a vertical cross-section of the hat showing the wire-gauze and the sweat perforated.

In the manufacture of hats, and especially of those known as stiff hats, it is not only important to provide them with ventilators for summer use, but also with a ventilator that will not be affected by moisture and yet will always readily conform to the shape of the head.

To accomplish this I employ elastic wire-gauze of any suitable metal, and so prepared as not to be affected by moisture.

A piece, A, of this gauze, of about the width of the sweat B of a hat, C, and of sufficient length to extend from end to end of the curve in either end of the hat, is secured between the sweat and the body of the hat by having its lower edge connected with the lower edge

of the sweat and its ends attached to the body of the hat, and so as to leave a space for ventilation, as is clearly shown in fig. 1, the portion of the sweat between the ends of the gauze being sewed or otherwise connected to the hat, as shown in the same figure.

By this arrangement of the gauze it will be seen that while its lower edge is connected to the sweat its upper edge is free, and that its body, for the most part, does not touch either the sweat or the hat, but is between and away from them. In addition, if desired, the sweat, instead of being whole, as shown in fig. 1, may be perforated in front of the gauze, as shown in fig. 2, thus giving increased ventilation.

One of the special advantages of the use of elastic wire-gauze, arranged in connection with the sweat as herein shown and described, is that it conforms easily and at once to the shape of the head, thus not only furnishing ventilation, but at the same time giving to a stiff hat some of the qualities of the soft one, and, besides, cannot be affected by moisture.

Having thus described my invention,

What I claim is—

The arrangement of the elastic wire-gauze A with sweat B in either end of a hat, C, in the manner substantially as herein shown and described, for the purpose of producing a self-conforming hat-ventilator, as set forth.

ALDEN SOLMANS.

Witnesses:

PHIL. T. DODGE,
HARRY KING.