

J. Jenkinson.

Ventilating Hats.

N^o 27985

Patented Apr. 24, 1860

Fig. 1.

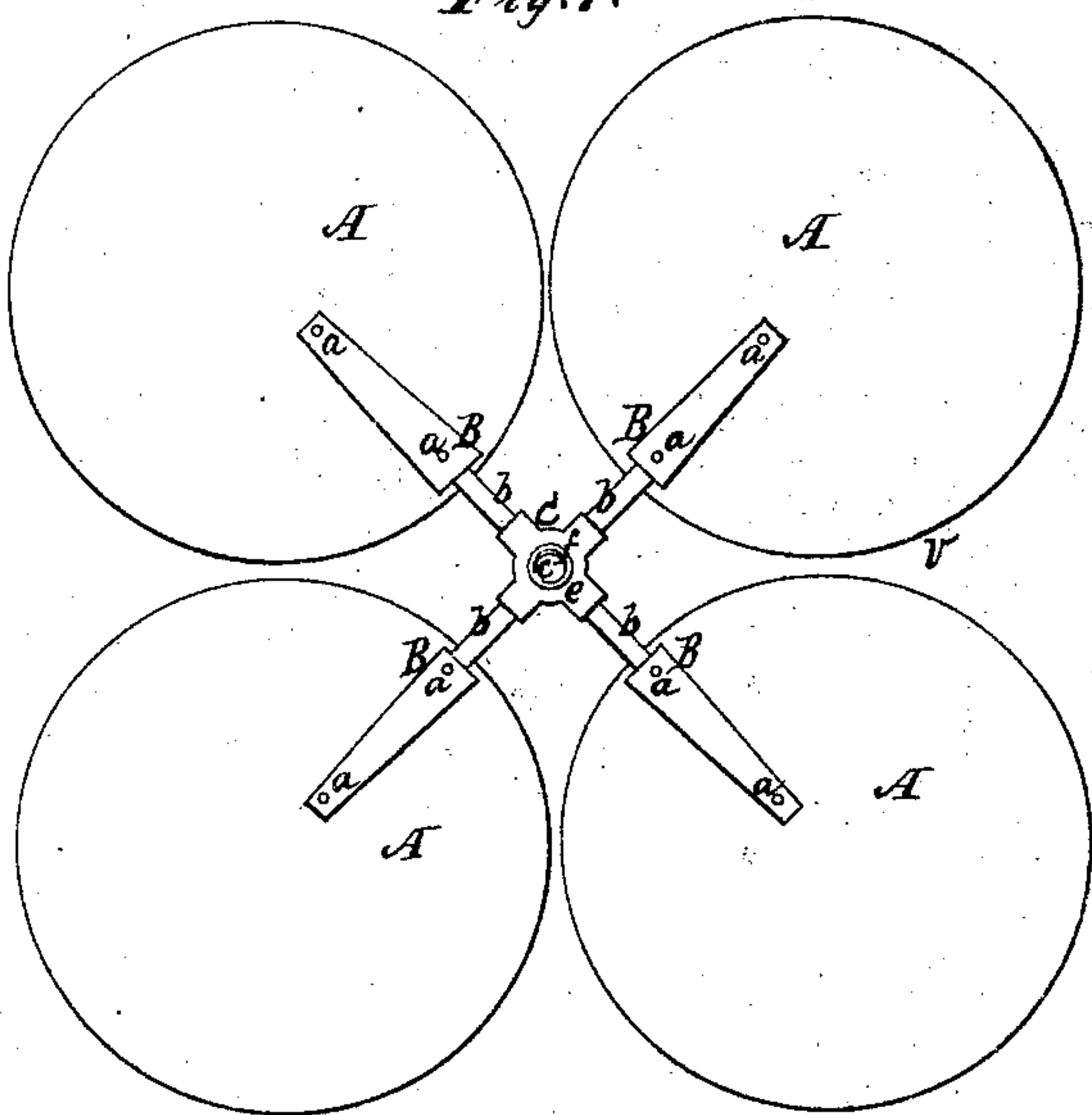
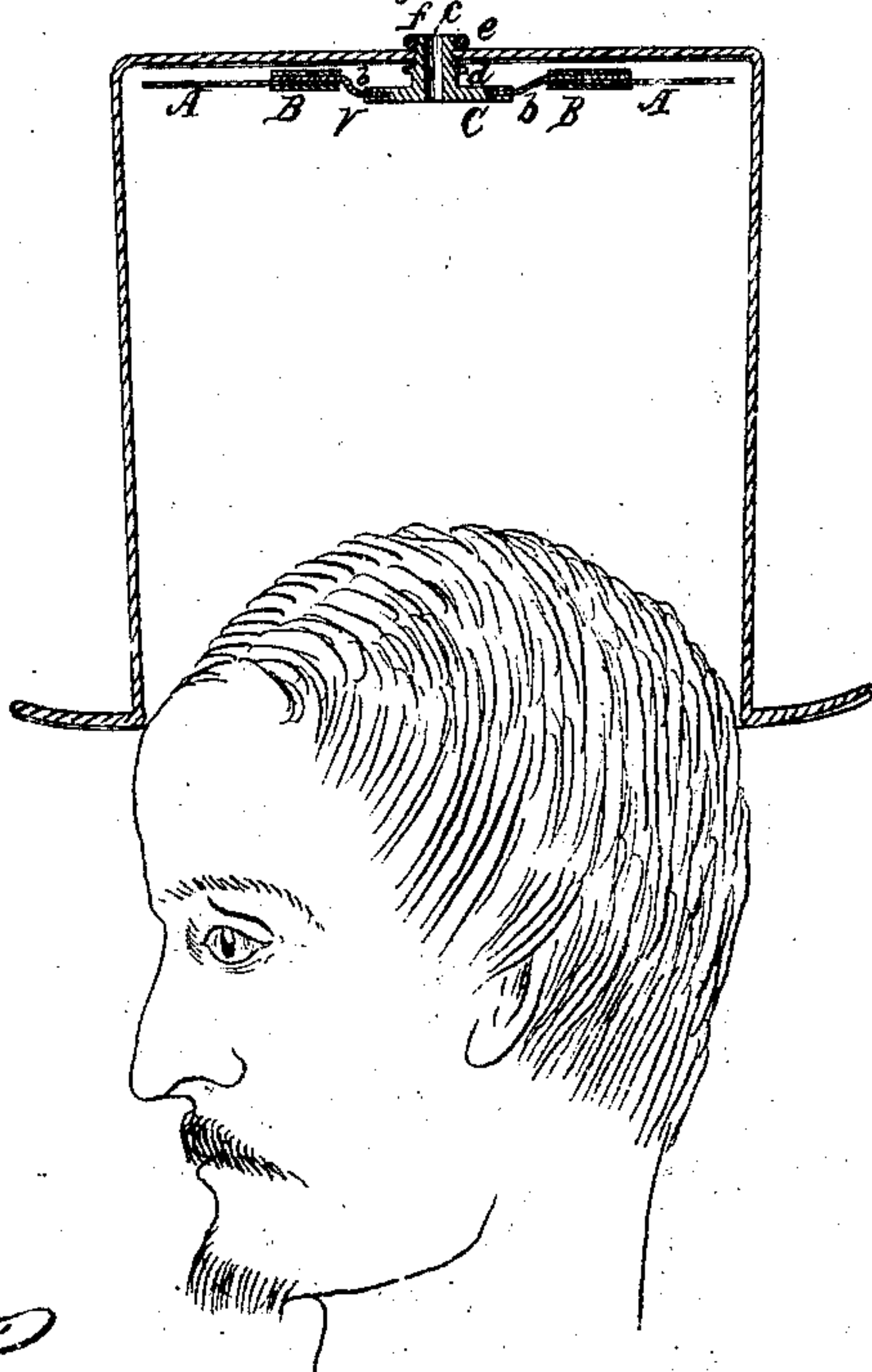


Fig. 2.



Witnesses.

John Will.
Wm. Thompson.

Inventor.

James Jenkinson

UNITED STATES PATENT OFFICE.

JAMES JENKINSON, OF BROOKLYN, NEW YORK.

VENTILATOR FOR HATS.

Specification of Letters Patent No. 27,985, dated April 24, 1860.

To all whom it may concern:

Be it known that I, JAMES JENKINSON, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a new and Improved Ventilator for Hats; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 represents a plan or top view of my invention when detached. Fig. 2, is a vertical cross section of ditto when attached to a hat.

Similar letters of reference in both views indicate corresponding parts.

This invention consists in arranging in the inner side of the crown of a hat a series of wings or fans attached to spring arms which emanate from a perforated hub in such a manner that the motion imparted to said wings by the motion of the person wearing the hat, serves to expel the foul air from the interior of the hat through the opening in the hub and to create a sensation of coolness to the head of the person wearing the hat.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation.

My ventilator V, consists of a series of wings A, attached to spring arms B, which emanate from a hub C. The wings are cut out of a piece of oil silk or of a stiff sheet of india rubber or of any other light material which will not be affected by the perspiration from the head, and they may be made round or oval or of any other desirable form. They are secured to the arms B, by means of rivets *a*, and the arms are of such a length that the same with the wings attached to them can be inserted into the interior of a hat. The inner ends of said arms are secured to the hub C, and that portion of the same which is situated between the inner edges of the wings and the outer edges of the hub is made of flat springs *b*, the thickness and strength of which is in the proper proportion to the weight of the wings.

The hub C, is provided with a central hole *c*, and tube *f*, with a shoulder *d*, together with a nut *e*, serves to fasten the ventilator to the interior of the crown of a hat. The nut screws on the outside of the tube *f*, and the material of the hat is firmly compressed between said nut and the shoulder *d*, as clearly represented in Fig. 2.

When a hat furnished with my ventilator is placed on the head of a person, the wings *a*, assume a vibrating motion as soon as the person begins to walk or move along and a gentle current of air is created in the interior of the hat whereby the head is cooled and the foul air from the interior of the hat is expelled. In order to enable the wings to act without obstruction, it is necessary that the crown of the hat is sufficiently elevated above the top of the head to allow the wings to swing up and down freely and my ventilator is therefore particularly applicable to that class of hats known as "stove pipe" hats and in common use by all classes of society and in every civilized country and if it could be applied to this class of hats only, the value of my ventilator would be very great, especially in a hot climate like that of all parts of the United States. It must be remarked however that my ventilator can also be applied to other sorts of hats known as "Kossuth" hats or to straw hats with a high crown and in all cases it will be found to relieve the head of that peculiar burning sensation felt by persons walking in the open air on a hot summer day. This ventilator may also be applied with advantage to the tops of coaches or carriages and in this case the size of the wings and the strength of the spring arms have to be accommodated to the size of the carriage top.

What I claim as new and desire to secure by Letters Patent is—

The combination with the crown of a hat of a ventilator V, constructed and operating substantially in the manner and for the purpose specified.

JAMES JENKINSON.

Witnesses:

WM. THOMPSON,
JOHN M. TILL.