

(No Model.)

E. CHESTERMAN.
Ventilator for Hats.

No. 229,870.

Patented July 13, 1880.

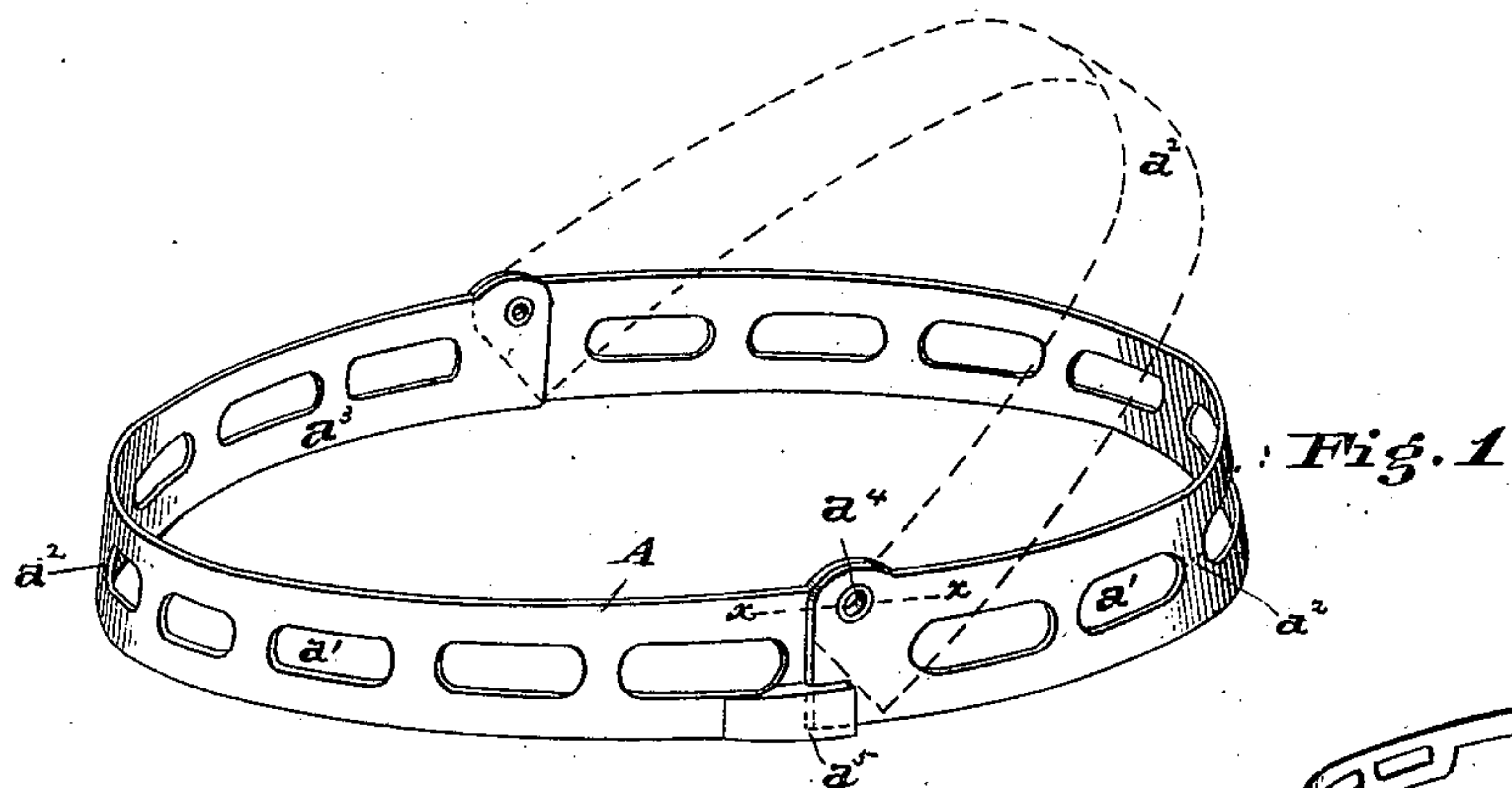


Fig. 1

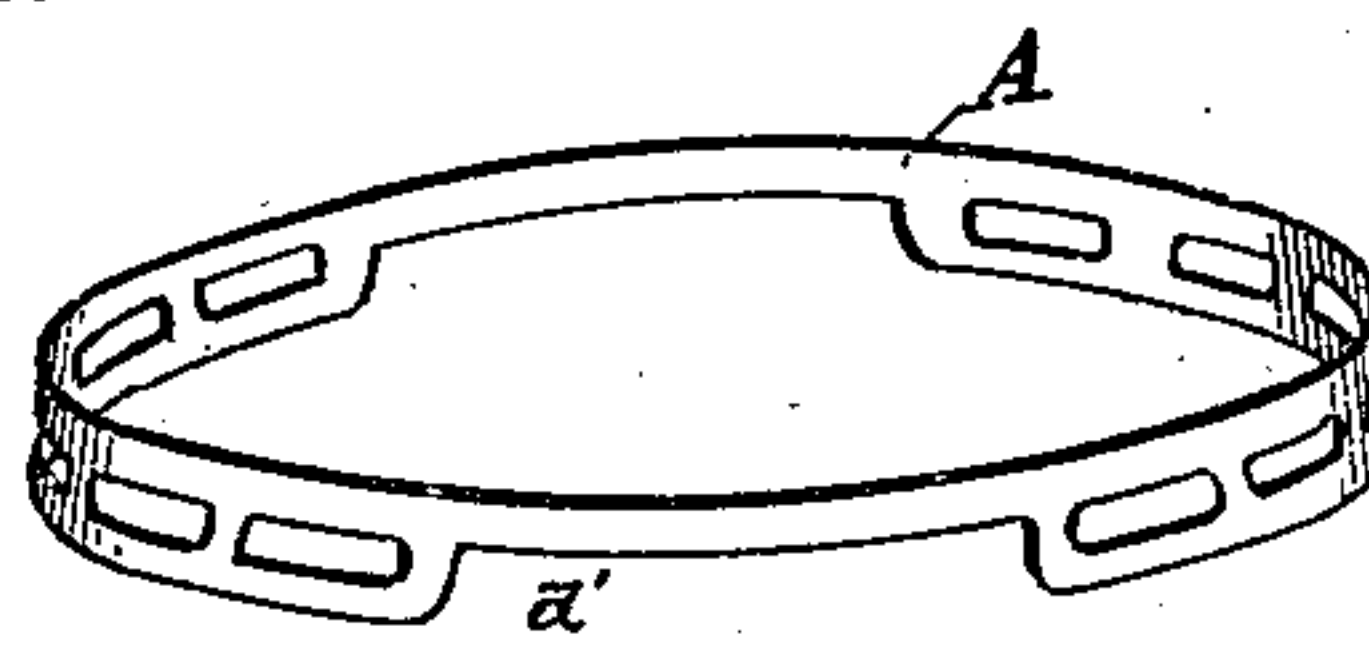


Fig. 4

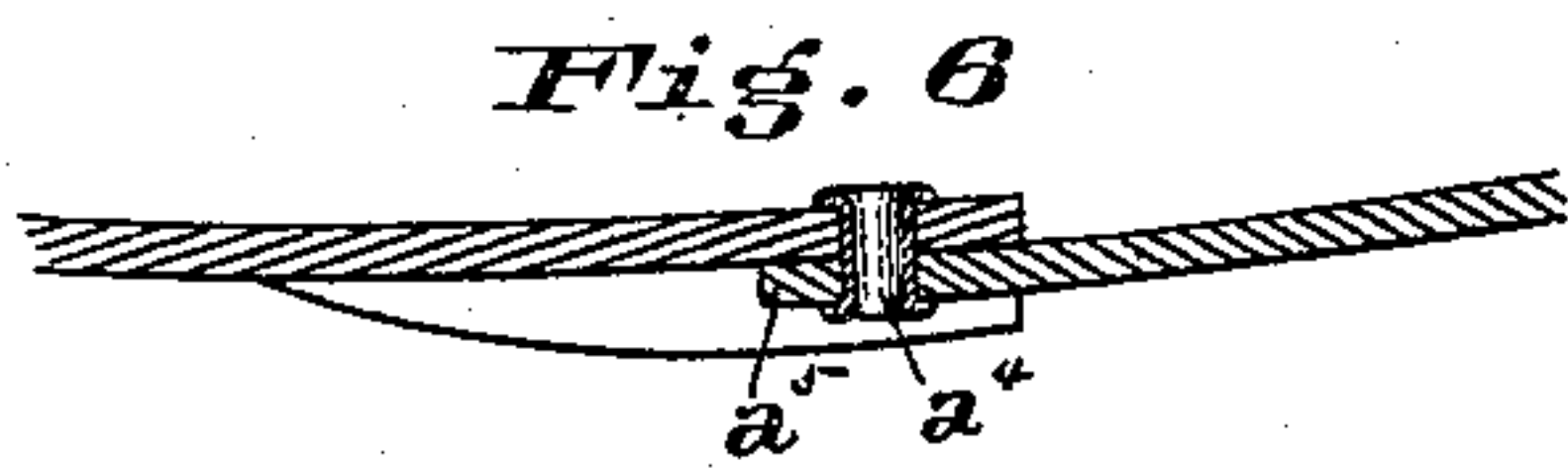


Fig. 6

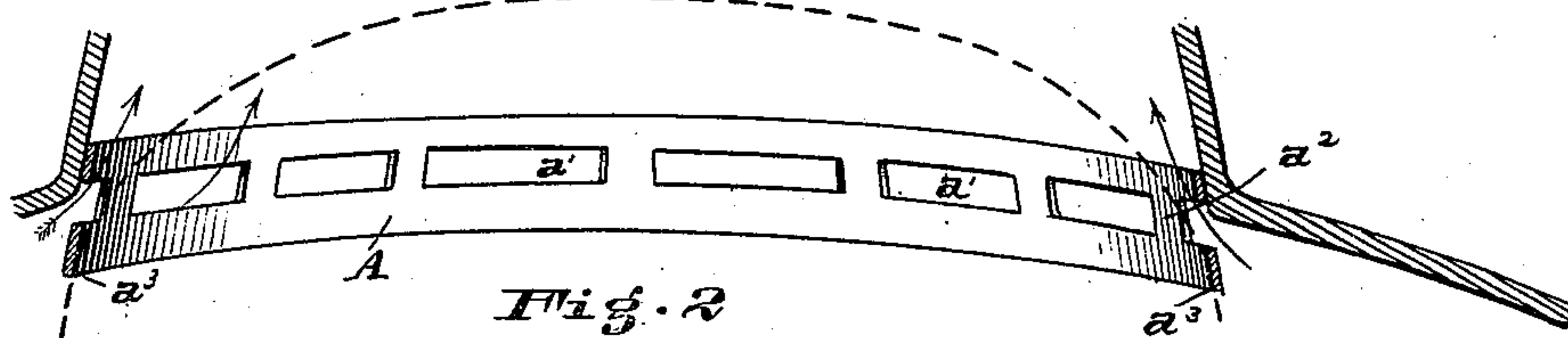


Fig. 2

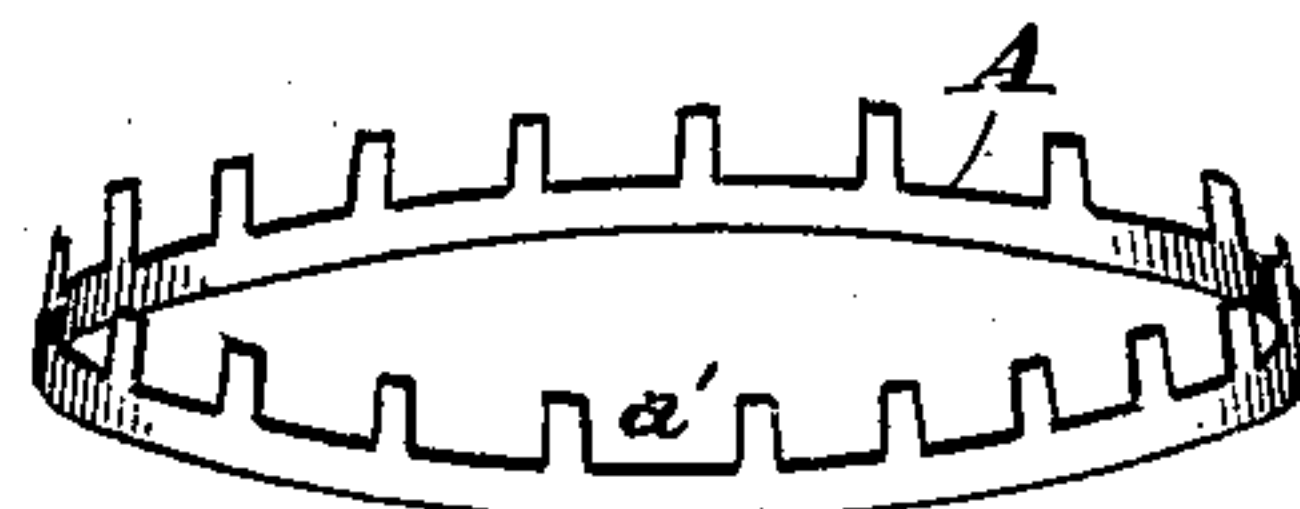


Fig. 5

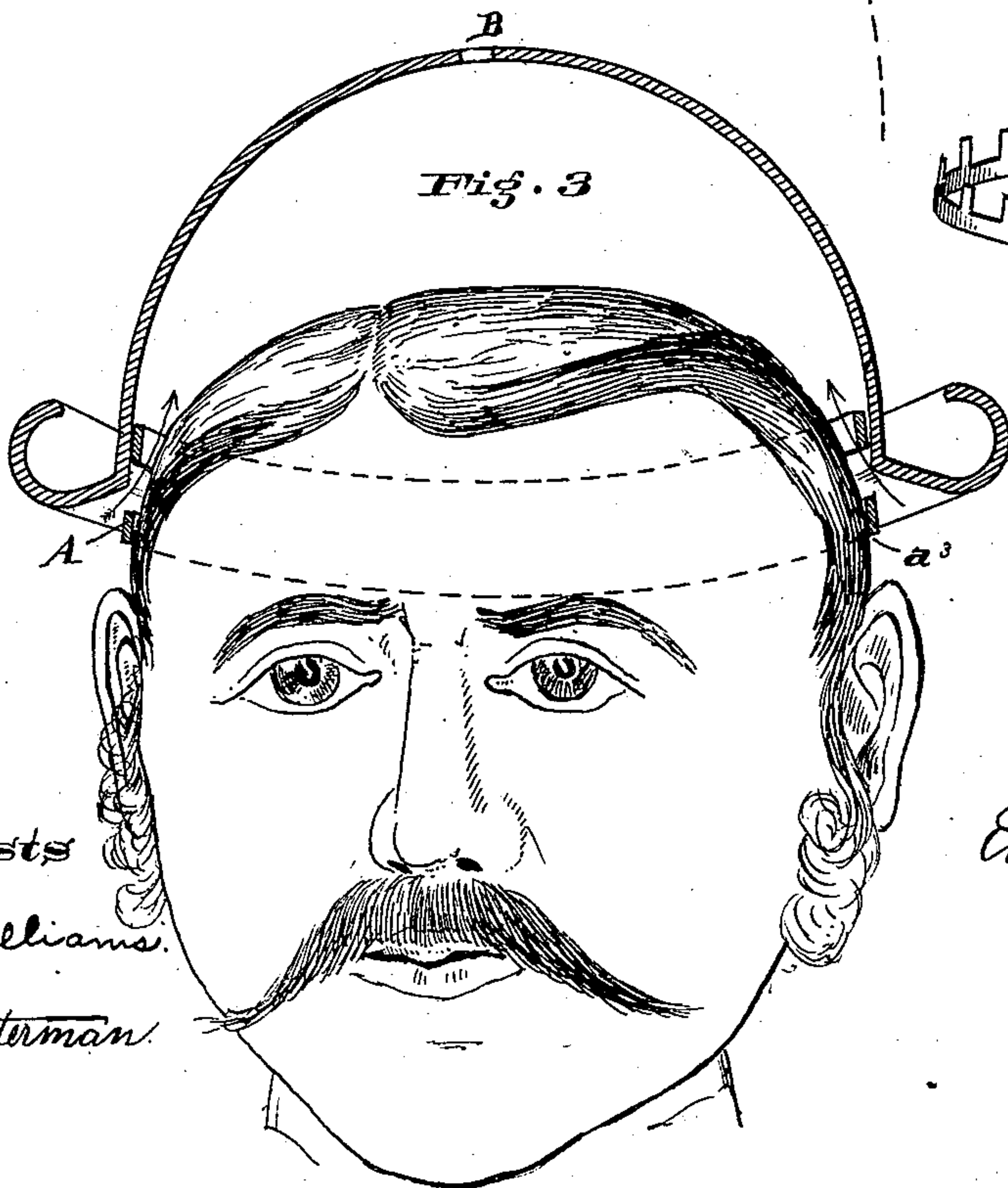


Fig. 3

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EDWIN CHESTERMAN, OF PHILADELPHIA, PENNSYLVANIA.

VENTILATOR FOR HATS.

SPECIFICATION forming part of Letters Patent No. 229,870, dated July 13, 1880.

Application filed May 13, 1880. (No model.)

To all whom it may concern:

Be it known that I, EDWIN CHESTERMAN, a citizen of the United States, residing at the city of Philadelphia and State of Pennsylvania, have invented certain Improvements in Ventilators for Hats, of which the following is a specification.

Ventilating-hats are usually made larger than the head of the wearer, and then a ventilator placed in the hat reduces it to fit the head, so that the same hat which fits and is worn with the ventilator cannot fit or be worn without the ventilator.

The object of this invention is to convert the ordinary hat worn by a person into a ventilating-hat, so that the same hat may be worn and fit the head when the ventilator is inserted and also when it is removed from the hat, thus making the hat interchangeably ventilating or non-ventilating.

The invention consists of a flexible oval band provided with air-spaces and adapted to fit the head of the wearer, and also adapted to fit the inside of a hat that fits the same wearer, so that the same hat may be worn with or without the ventilator, and in either case will fit the wearer; also, of a flexible oval band provided with air-spaces and hinged together, so that when not in use it may be folded together and placed in the crown of the hat or in the pocket, &c., as will be more particularly set forth in the following specification, in which—

Figure 1 is a view showing the ventilator ready to be inserted into a hat. Fig. 2 shows the ventilator inserted into a hat. Fig. 3 shows a hat with the ventilator inserted and worn on the head. Figs. 4 and 5 show modifications in the form of the ventilator. Fig. 6 shows the hinged joint.

A represents the ventilator. It is provided with air-spaces a' , and is made of a tapering form, the upper edge, which fits into the hat, being of a smaller circumference than the lower edge, which fits on the head, so that the outer circumference at the point it fits into the hat (shown at a^2) is the same as its inner circumference at the point it fits on the head. (Shown at a^3 .) The air-spaces may be of other shapes than shown.

a^4 is a hinged joint, and is to allow the ventilator, when not in use, to be folded into a

smaller space. The hinge is provided with a stop, a^5 , so that it will fold in one direction only. When the ventilator is placed in the hat it cannot be folded in either direction, the hinge being on the upper edge of the ventilator, above the line where it fits into the hat. The effect of folding it in the direction shown in dotted lines in Fig. 1 would be, first, to extend its length at the points a^2 until the pin of the hinge and the points a^2 a^2 were in line; but the hat would prevent such extension, and therefore the ventilator while inserted in the hat is rigid and cannot be folded in either direction.

Instead of being hinged together, the ventilator may be made of one piece, as shown in Fig. 2, or it may be made of the forms as shown in Figs. 4 and 5 without departing from the spirit of this invention.

It will be seen that when the ventilator is inserted into a hat and the hat worn the heat of the wearer's head will cause a current and the air be drawn in through the spaces, as shown by arrows in Figs. 2 and 3, and pass out at the other spaces; or, if there be air-spaces formed in the hat, as shown at B, Fig. 3, the ventilation will be more perfect, so that a person may be provided with one of these ventilators, (folded away in the crown of his hat or in his pocket,) and, finding himself in the sun, suffering from the heat, may insert the ventilator into the hat he is wearing and place it upon his head, and have his head cooled by the change of air taking place in the hat without exposing his head to the rays of the sun, and at night, or when it becomes colder, the ventilator may be removed and the hat worn without it.

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

1. A ventilator for hats, consisting of a flexible oval band the outer girt or circumference of which, at the point it fits into a hat, is the same as its inner girt or circumference at the point it fits on the head, said band being provided with air-spaces and adapted to be conveniently inserted into and worn with a hat that fits the wearer, so that the hat usually worn will fit the head whether the ventilator be worn with it or not, substantially as set forth.

2. A flexible oval band provided with air-spaces and adapted, its outer circumference to fit into a hat and its inner circumference to fit on the head of the wearer, so that the hat will fit the wearer whether said band be worn with it or not, substantially as set forth.

3. A ventilator consisting of a flexible oval band formed of two parts hinged together and adapted to be worn with a hat that fits the wearer's head, and when removed from the hat to be folded together to occupy less space, substantially as set forth.

4. A ventilator consisting of a flexible oval band formed of two parts hinged together and adapted to be worn with a hat that fits the

wearer, and provided with stops to prevent its folding while inserted into the hat, but when removed therefrom can be folded together, substantially as set forth.

5. The combination of a hat with a ventilator the outer girth or circumference of which fits into a hat and the inner girth or circumference fits the head of the wearer, so that the hat will fit the wearer whether the ventilator be worn with it or not, substantially as set forth.

EDWIN CHESTERMAN.

Witnesses:

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W. WILLIAMS.