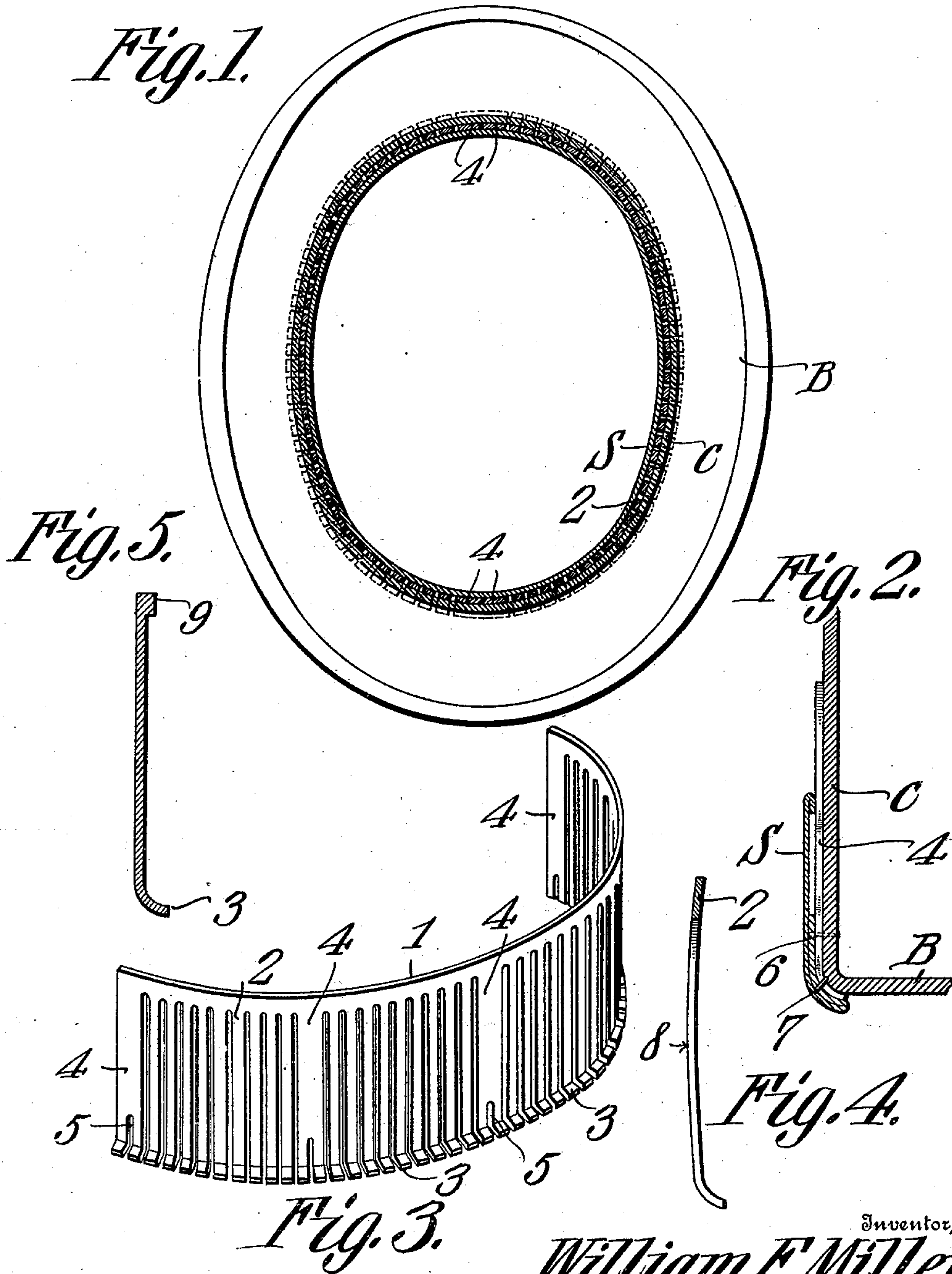


W. E. MILLER.
HAT VENTILATOR.
APPLICATION FILED FEB. 28, 1908.

903,219.

Patented Nov. 10, 1908.



Witnesses:

E. J. Stewart
R. M. Elliott

Inventor,
William E. Miller
By *C. A. Snow & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM E. MILLER, OF SALT LAKE CITY, UTAH.

HAT-VENTILATOR.

No. 903,219.

Specification of Letters Patent.

Patented Nov. 10, 1908.

Application filed February 28, 1908. Serial No. 418,345.

To all whom it may concern:

Be it known that I, WILLIAM E. MILLER, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented a new and useful Hat-Ventilator, of which the following is a specification.

This invention relates to hat ventilators.

The object of the invention is to provide an article of this character which may readily be positioned between the sweat band and the side crown of the hat, and which shall be thoroughly effective, without discomfort, in securing unobstructed and even ventilation. Furthermore, to provide a hat ventilator which shall be light, durable, and inexpensive, and which may be employed to ventilate the entire sweat band, or only a portion of it, as may be preferred.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a hat ventilator, as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a sectional plan view of a derby hat, displaying the ventilator of the present invention assembled therewith. Fig. 2 is a vertical transverse section through a portion of the hat crown and brim, displaying the manner of positioning the ventilator with reference to the sweat band. Fig. 3 is a perspective detail view of one section of the ventilator. Fig. 4 is a transverse sectional view through a slightly modified form of ventilator. Fig. 5 is a view similar to Fig. 4 of another form of ventilator.

Referring to the drawings, C designates the side crown of a hat, B is the brim, and S the sweat band, and, as these parts may be of the usual or any preferred construction, detailed description thereof is deemed unnecessary.

Assembled with the side crown and sweat band of the hat is the ventilator forming the subject matter of the present invention, and which is shown in detail, or rather one form thereof, in Fig. 3. This ventilator is, by preference, made of aluminum on account of its light weight, non-oxidizing qualities, and ease with which it may be manufactured to any desired shape.

The ventilator shown in Fig. 3 constitutes a section, and may be, as shown in Fig. 1, of a length to extend half way around the hat, but, if preferred, it may be of a length to extend entirely around the hat, or only a fraction of the way around, as may be advantageous. The article comprises a back 1 from which project spaced teeth or prongs 2, the ends 3 of which are out-turned or curved to bear against the side crown of the hat at its point of juncture with the brim. The spaces between the teeth 2 may be varied to suit the requirements of the case, and, as herein shown, every tenth tooth 4 is of twice the width of the remaining teeth, this being due to the fact that these teeth are only incised for a portion of their length, as shown at 5, in order that the threads that hold the ventilator assembled with the sweat band, and which engage the incisions 5, will also positively prevent the ventilator from working down below the lower edge of the sweat band. The other threads 7 shown therein are for securing the teeth 2 to the sweat band. As will be obvious, by making the incisions relatively narrow, there will be no danger of the sweat band being forced into the spaces between the teeth and thus interfere with the free passage of air to the interior of the hat. The curved ends 3 of the teeth also prevent the sweat band from being crowded against the under side of the brim of the hat, and thus check ventilation. In some instances, the teeth may be longitudinally curved, as shown at 8 in Fig. 4.

By preference, the stock from which the ventilator is made will be of the same thickness throughout its entire length, and where metal such as described is employed, this will be thoroughly effective. Under some conditions it might be preferred to construct the ventilator sections of hard rubber, as shown in Fig. 5, and when such is the case, the back of the section may be longitudinally reinforced or thickened, as at 9.

The improvements herein defined are simple in character, and will be found thoroughly effective for the purposes designed.

I claim:—

1. A hat ventilator comprising a back, and teeth projecting therefrom the spaces between certain of which are shorter than those of the others.

2. A hat ventilator comprising a strip of metal having teeth the free terminals of which are out-turned, and the spaces be-

tween certain of the teeth being shorter than those of the others.

4. A hat ventilator comprising a strip of material and embodying a reinforced back,
5 and teeth projecting therefrom and provided with out-turned terminals, the spaces between certain of the teeth being shorter than those of the others.

10 5. A hat ventilator comprising a strip of metal having teeth arranged in parallelism throughout their entire length and with their

free terminals out-turned, the spaces between certain of the teeth being shorter than those of the others.

In testimony that I claim the foregoing 15 as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM E. MILLER.

Witnesses:

C. H. CAMPBELL,
W. E. COULAM.