T. W. Bracher.
Hat Ventilator.
No. 92,785. Patented Jul. 20, 1869.

Fig: 1.

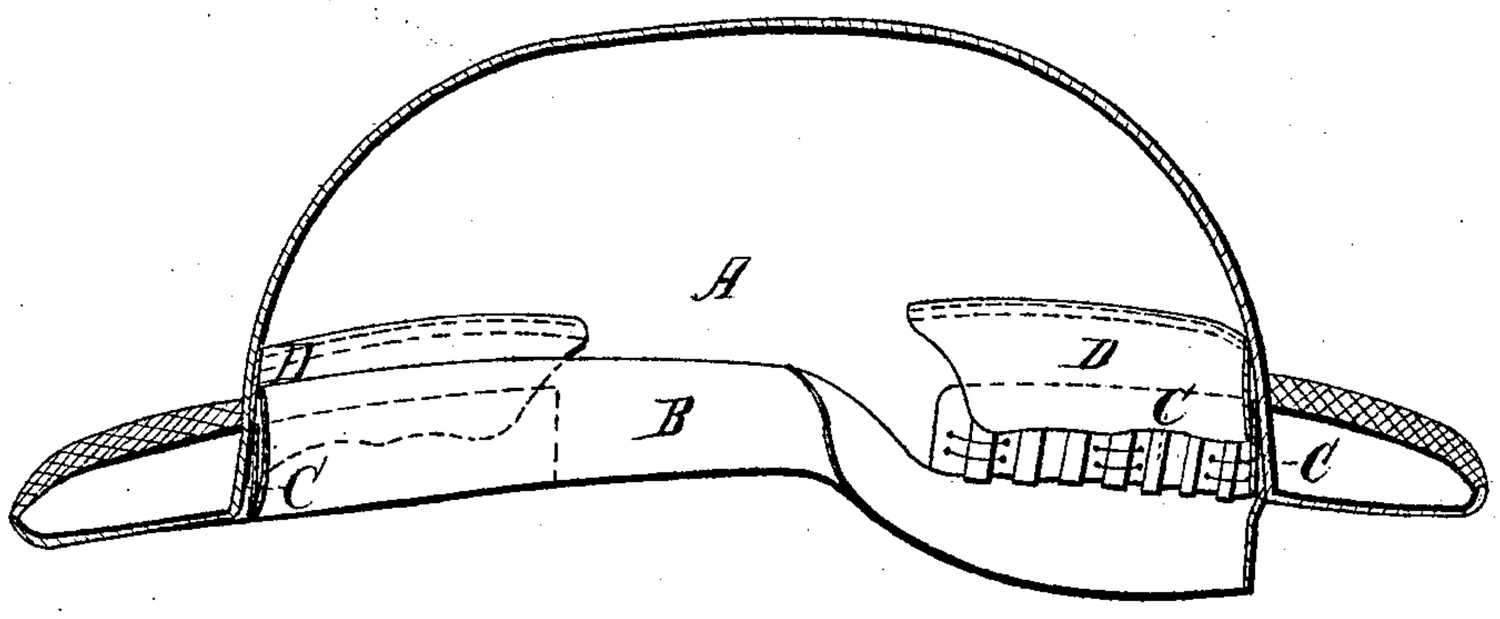
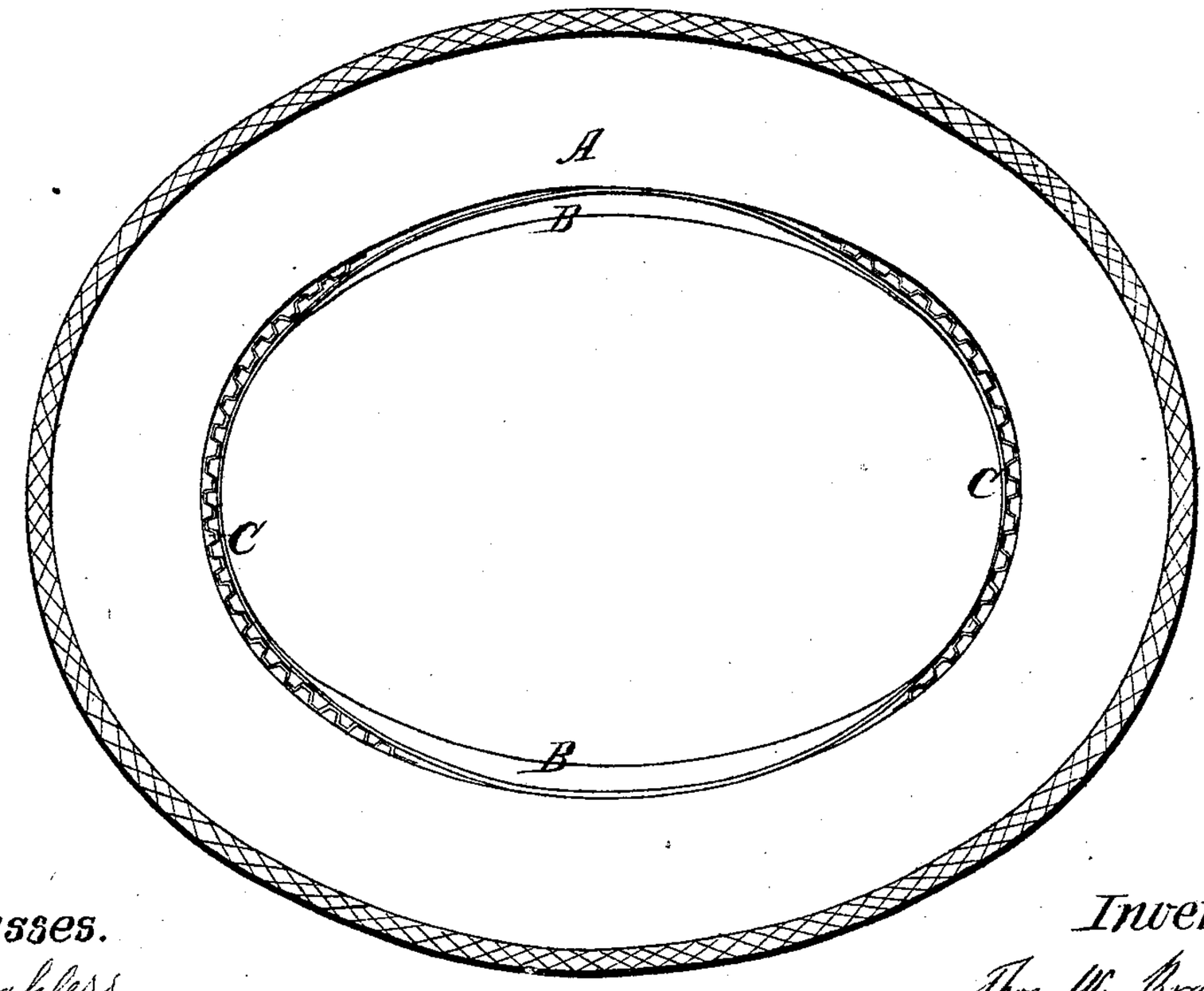


Fig: 2.



Witnesses.
E. Wahlers
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Inventor.
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per
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Attys

United States Patent Office.

THOMAS W. BRACHER, OF NEW YORK, N. Y.

Letters Patent No. 92,785, *dated July* 20, 1869.

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, THOMAS W. BRACHER, of the city, county, and State of New York, have invented a new and improved Hat-Ventilator; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a central section of this invention.

Figure 2 is an inverted plan thereof.

Similar letters indicate corresponding parts.

This invention relates to a hat-ventilator, composed of two corrugated segments, of sheet-metal or other suitable material, which are secured between the hat-body and the sweat-lining, in front and rear of the hat, in combination with a dust-valve, composed of one or more pieces of leather, or other suitable flexible material, which are fastened to the interior of the hat-body in such a position that their outer edges can be tucked under or made to overlap the inner edges of the hat-ventilator; and when the edges of the dust-valves are made to overlap the hat-ventilator, the dust is prevented from passing up into the hat, while the circulation of the air through the hat is but partially obstructed.

A represents a hat or cap, of any desirable form or shape.

To the inner surface of this hat, and under the sweat-lining B, are attached two corrugated segments, C, of sheet-metal or any other suitable material, and I attach these corrugated segments in front and rear of the hat, because, by so doing, the shape of the hat is not so changed as to make the same appear clumsy.

I am aware that it has been proposed to apply corrugated strips of sheet-metal to the front end of the hat, but a device of this kind produces very little, if any ventilation, since provision is only made to let the air in, but no provision to let the air out.

It has also been proposed to apply corrugated strips, one to each side of the hat, and this device produces ventilation, but it also gives to the hat a clumsy shape, and the same is the case when the corrugated strip extends all round, for it will be readily observed, that by increasing the major axis of the hat, its shape is comparatively little affected, and, in fact, by such an increase of the major axis, the shape of the hat is actually improved, but an increase of the minor axis causes the hat to assume a circular, or nearly circular shape, which is the least desirable shape for good appearance.

And, furthermore, by applying the corrugated segments in front and rear, a perfect circulation of the air through the hat is produced, since the air readily ascends in front, at the heated forehead, and discharges at the back, where the temperature of the head is the lowest.

With the corrugated strips C, I have combined a dust-valve, D, which is composed of one or more strips of leather or other suitable material, attached to the inner surface of the body of the hat, in such a manner that its outer edge can be made to overlap the inner edge of the corrugated segments, or that the outer edge of the dust-valve can be tucked under the inner edge of said corrugated segments.

In a dusty atmosphere, the dust-valve is made to overlap the inner edge of the corrugated segments, and the dust carried up through the ventilator is retained by said valve, and prevented from lodging in the hair of the person wearing the hat.

In a clear and pure atmosphere, the dust-valve is tucked under the corrugated segments, so as not to obstruct the circulation of the air through the hat.

My ventilator also prevents the grease from getting on the hat.

I am aware that corrugated strips of sheet-metal, or other material, have heretofore been used for hat-ventilators, and I distinctly disclaim everything shown and described in the application of James Y. Davis, rejected July 7, 1857, and in the patents of Arthur Maginnis, May 17, 1859, and of John McMannus, January 3, 1860, and reissued March 13, 1860; but

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

The dust-valve D, in combination with the corrugated strips C and hat A, substantially as set forth.

T. W. BRACHER.

Witnesses:

W. HAUFF,

ERNEST F. KASTENHUBER.