

# **Improvements in ventilating head gear / [Thomas Blacklock Harris].**

## **Contributors**

Harris, Thomas Blacklock.  
Herbert Haddan & Co.

## **Publication/Creation**

Redhill : Printed for Her Majesty's Stationery Office by Malcomson & Co., Ltd, 1898.

## **Persistent URL**

<https://wellcomecollection.org/works/mxzdf4h5>

## **License and attribution**

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

N<sup>o</sup> 5722



A.D. 1897

*Date of Application, 4th Mar., 1897*

*Complete Specification Left, 10th Dec., 1897—Accepted, 29th Jan., 1898*

# PROVISIONAL SPECIFICATION.

## Improvements in Ventilating Head Gear.

THOMAS BLACKLOCK HARRIS, 13, Sheffield Street, Carlisle, Plumber, *etc.*, March 3rd, 1897, do hereby declare the nature of this invention to be as follows:—

Improvements in Ventilating Head Gear being a frame made of wire of any suitable metal and shaped to engage with a cap or hat by projecting jointed pins B as shewn on frame A a portion of frame being covered with suitable material C to insulate the frame from coming in direct contact with the head the frame supports the cap or hat in an elevated position and allows a current of air to pass over the head while the head gear or covering is worn producing an agreeable & efficient cooling of the head as I can testify having worn it myself for two years.

Dated this 3rd day of March 1897.

THOMAS HARRIS.

# COMPLETE SPECIFICATION.

## Improvements in Ventilating Head Gear.

I, THOMAS BLACKLOCK HARRIS, of 13, Sheffield Street, Carlisle, in the County of Cumberland, Plumber, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a frame made of wire or narrow metallic bands for supporting a cap, hat or other head gear a certain distance above the head to allow a current of air to pass between the head and the hat. The two sides of the frame are made parallel to each other, and bent into the form of an arch. The front ends of the wires or bands forming the arch are tied together by a wire or band, while the back ends are loose and provided with turn up points. Two or more intermediate tie pieces are also provided for connecting the sides of the frame together. The intermediate tie piece nearest the front has its ends provided with turn up points which with those on the ends of the frame engage the inside of the cap or hat when in place. The front tie piece when in use rests on or near the forehead. It may be in one piece with the sides of the frame or it may be connected to them. It may be plain or covered with any soft material such as kid, chamois, leather, cloth, worsted, and the like. Instead of making the sides parallel to each other they may be wider apart at the front than at the back or the reverse, or they may be brought together at the middle and twisted together or otherwise connected.

[Price 8d.]



*Harris's Improvements in Ventilating Head Gear.*

In the annexed drawings:—Fig. 1 shows a frame with the front tie piece covered with some soft material for resting on the forehead, and with two intermediate tie pieces. Fig. 2 shows a frame with a plain tie piece formed of the same piece of wire as the side arches, and with three intermediate tie pieces. Fig. 3 shows a frame with the sides brought together at the middle and there 5 twisted together. A are the sides or arches of the frame, B the front tie piece, C turn up points on the rear ends of the frame, D turn up points on the intermediate tie piece E, F and F<sup>1</sup> are other intermediate tie pieces.

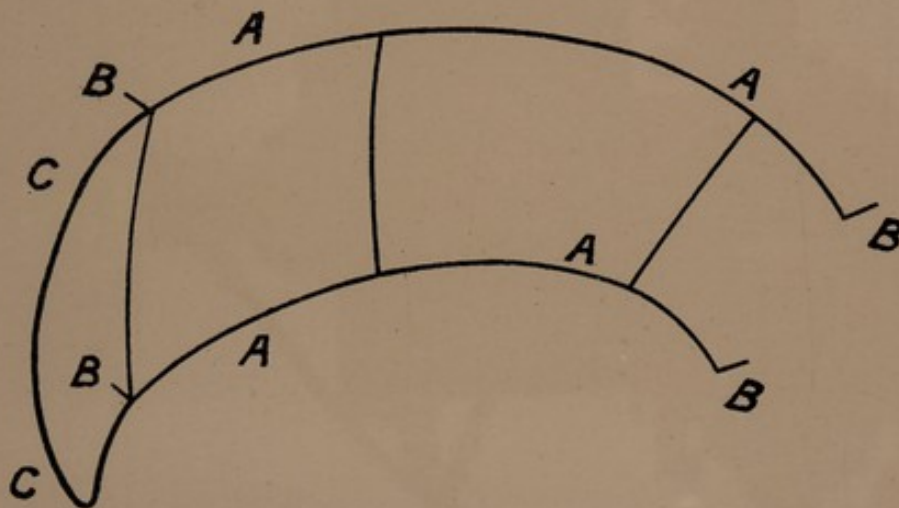
Having now particularly described and ascertained the nature of this invention and in what manner the same is to be performed I declare that what I 10 claim is:—

The new or improved means for permitting the ventilation of head gear consisting of a frame composed of arch like components such as A A connected by tie pieces such as B, E, F with or without intermediate twisting as in Fig. 3, the said frame having points such as C C D D for engaging the interior of a cap 15 or other head gear and supporting it in such a manner as to allow a current of air to pass between the head gear and the head of the wearer.

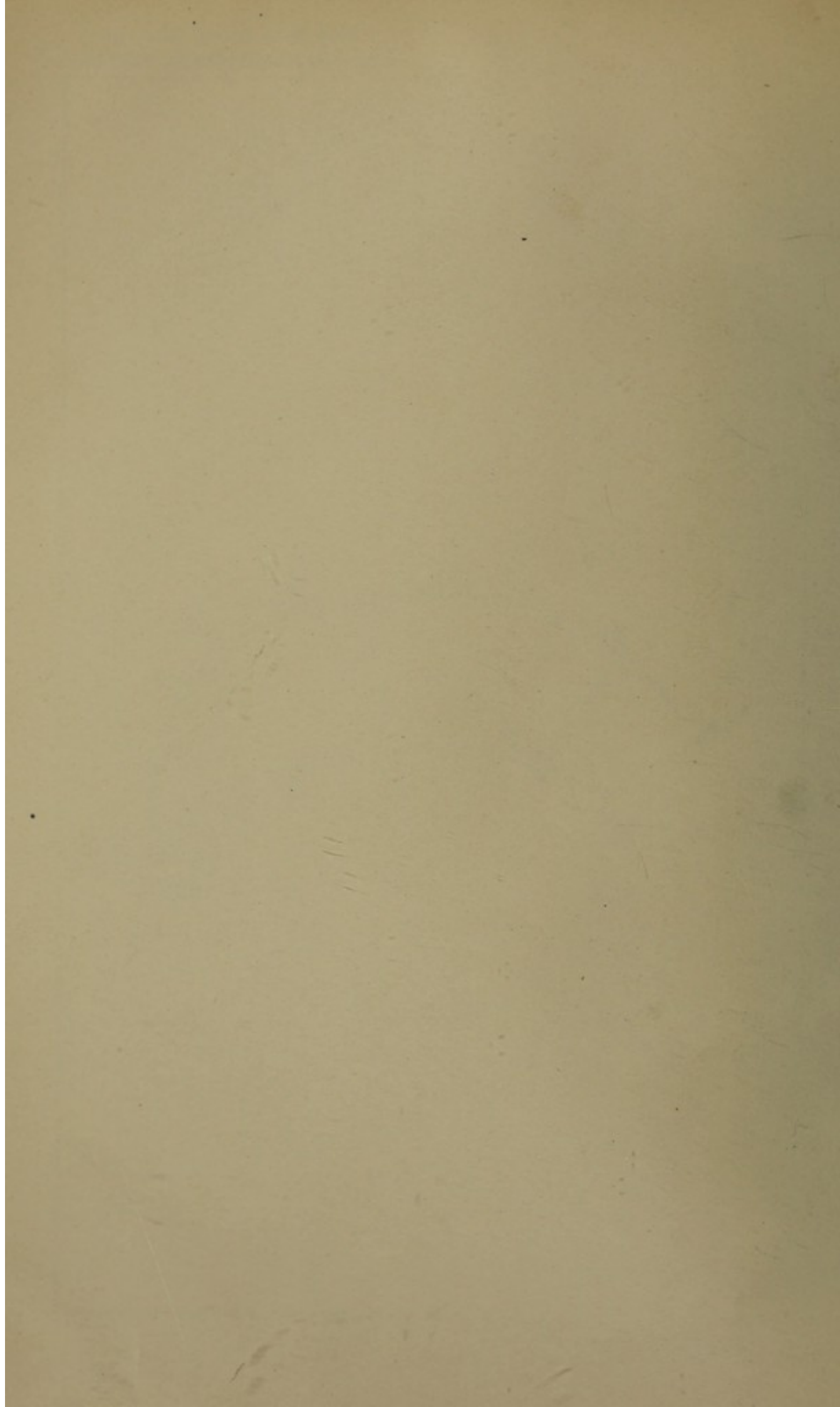
Dated this 25th day of November 1897.

HERBERT HADDAN & Co.,

Agents to Applicant, 18, Buckingham Street, Strand, London. 20

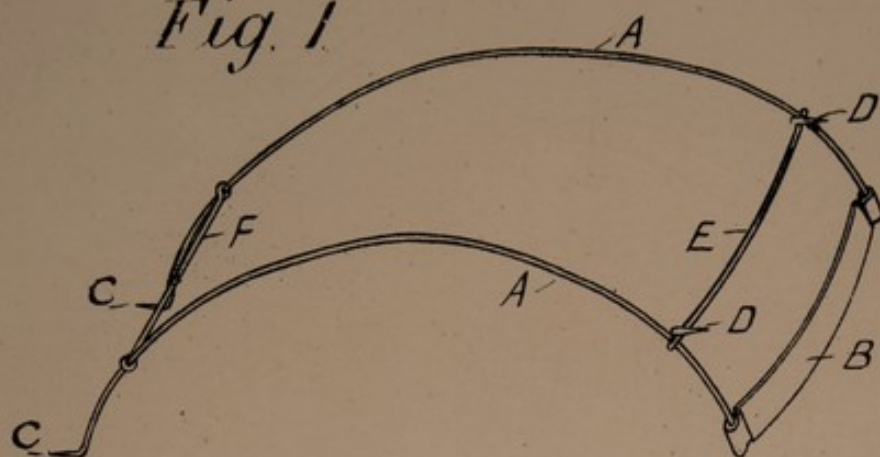


[This Drawing is a full-size reproduction of the Original.]

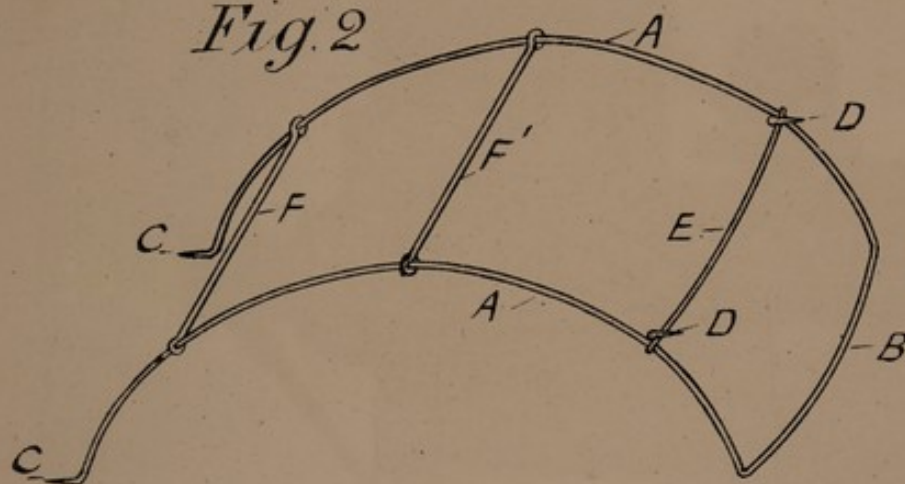




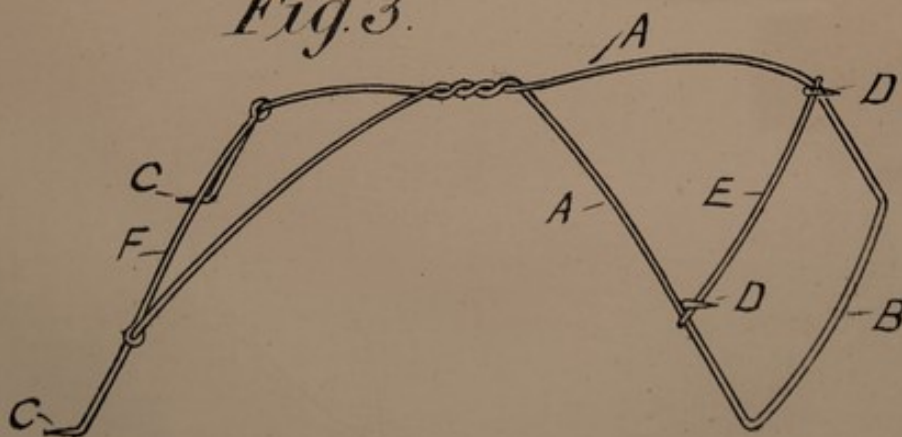
*Fig. 1*



*Fig. 2*



*Fig. 3.*



[This Drawing is a reproduction of the Original on a reduced scale.]

