

No. 654,432.

Patented July 24, 1900.

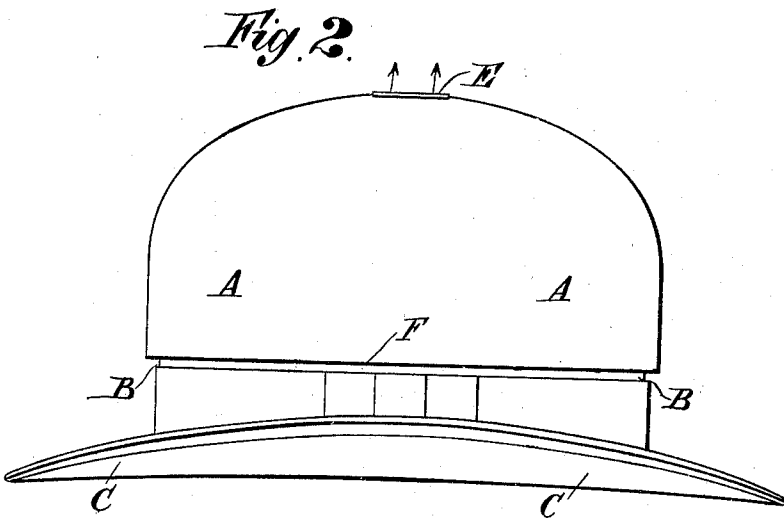
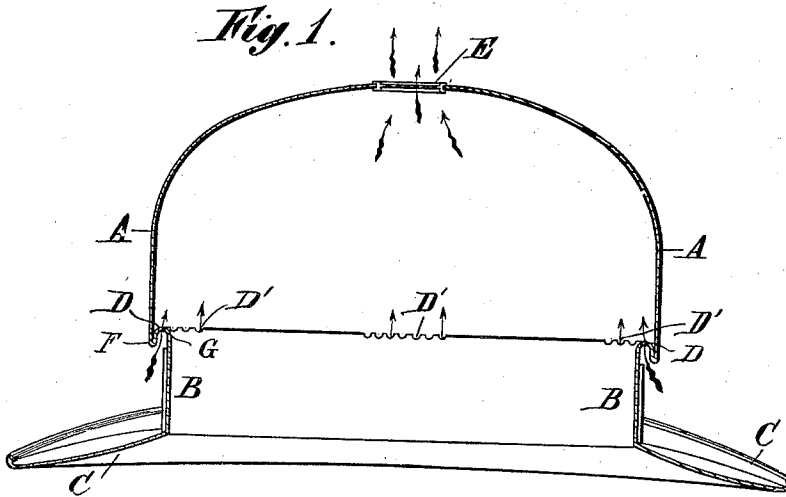
T. BORROW, E. WOOD & W. HODGSON.

APPAREL HAT.

(No Model.)

(Application filed Mar. 6, 1899.)

2 Sheets—Sheet 1.



Witnesses

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2 Sheets—Sheet 2.

Fig. 3.

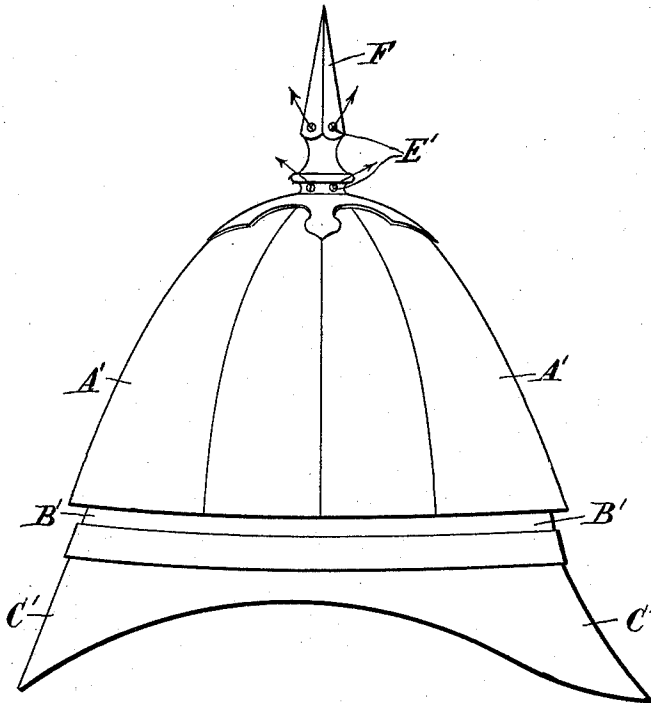
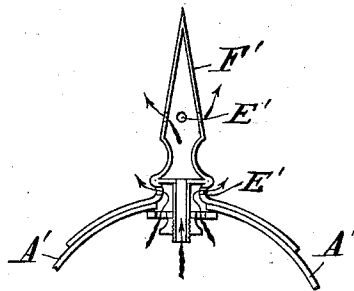


Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS BORROW, EDWIN WOOD, AND WILLIAM HODGSON, OF
DARLINGTON, ENGLAND.

APPAREL-HAT.

SPECIFICATION forming part of Letters Patent No. 654,432, dated July 24, 1900.

Application filed March 6, 1899. Serial No. 707,973. (No model.)

To all whom it may concern:

Be it known that we, THOMAS BORROW, residing at 12 Tubwell Row, EDWIN WOOD, residing at 55 Victoria road, and WILLIAM HODGSON, residing at 10 Victoria road, all in Darlington, county of Durham, England, subjects of the Queen of Great Britain, have invented certain new and useful Improvements in Head-Coverings, of which the following is a specification.

This invention has for its object to provide a new and improved ventilating head-covering, such as a hat or helmet; and it consists, essentially, of a head-covering composed of a brim having a vertical circularly-arranged flange or body-section, a crown having an air-exit opening in its top and constructed at its lower edge of a diameter greater at all points than the diameter of the said flange or body-section, so that the upper edge of the latter lies inside the said lower edge of the crown, and a surrounding inwardly-crimped continuous channel-shaped bead connecting the crown and the vertical flange or body-section and provided at intervals with air-inlet orifices located between the lower edge of the crown and the upper edge of said flange or body-section.

The invention is illustrated by the accompanying drawings, in which—

Figure 1 is a central vertical sectional view of a hat embodying our invention. Fig. 2 is a side elevation of the same. Fig. 3 is a side elevation of a helmet embodying our invention, and Fig. 4 is a detail vertical sectional view of the top portion of the crown of the helmet.

In Figs. 1 and 2 of the drawings the letter C indicates the hat-brim, having a vertical circularly-arranged flange or body-section B, and A the crown, having an air-exit E in the center of its top portion. The lower edge F of the crown is constructed of a diameter greater at all points than the diameter of the vertical flange or body-section, and the upper edge G of the latter lies inside of the said lower edge of the crown. The lower edge F of the crown is connected with and supported

by the upper edge G of the flange or body-section B through the medium of a channel-shaped bead D, which extends continuously around the hat and is provided at intervals between the lower edge F of the crown and the upper edge G of the flange or body-section B with air-inlet orifices D'. As here shown, the channel-shaped bead is integral with the crown and the flange or body-section and is formed by crimping the material inwardly; but we do not wish to be understood as confining ourselves to this integral construction of the parts mentioned. The essential feature is a surrounding inwardly-crimped channel-shaped bead extending continuously around the head-covering, connecting the crown and the flange or body-section, and constructed or provided at intervals with air-inlet orifices located between the said crown and said flange or body-section. The air ascending through the air-inlet orifices D' will cool the head and pass off through the air-exit E in the top of the crown, thereby obtaining perfect ventilation.

In Figs. 3 and 4 our invention is embodied in a helmet. The letter C' indicates the brim; B', the vertical flange or body-section; A', the crown, and F' the spike having air-exits E'. The bead D, being clearly shown in Fig. 1, is not illustrated in Figs. 3 and 4; but it is the same as hereinbefore described with reference to the form of head-covering represented by Figs. 1 and 2.

Our invention provides a novel and desirable head-covering which is thoroughly ventilated while in use for the purpose of cooling the head during warm weather or excessive exercise.

Having thus described our invention, what we claim is—

1. A head-covering comprising a crown having an opening at the top, a body portion of smaller diameter than the crown, and a perforated web connecting the body portion and crown, as and for the purpose set forth.

2. A head-covering comprising a crown having an opening in its upper part, and a body portion integral with the crown and of smaller

diameter, the material of which the covering is made being crimped inwardly from the crown to form a continuous connecting-web between the crown and body portion, which
5 web is provided with a series of perforations and is covered by the crown, as and for the purpose set forth.

In testimony whereof we have hereunto set

our hands in presence of two subscribing witnesses.

THOMAS BORROW.
EDWIN WOOD.
WILLIAM HODGSON.

Witnesses:

HENRY PROCTOR,
FRANK JAMES WHITE.