

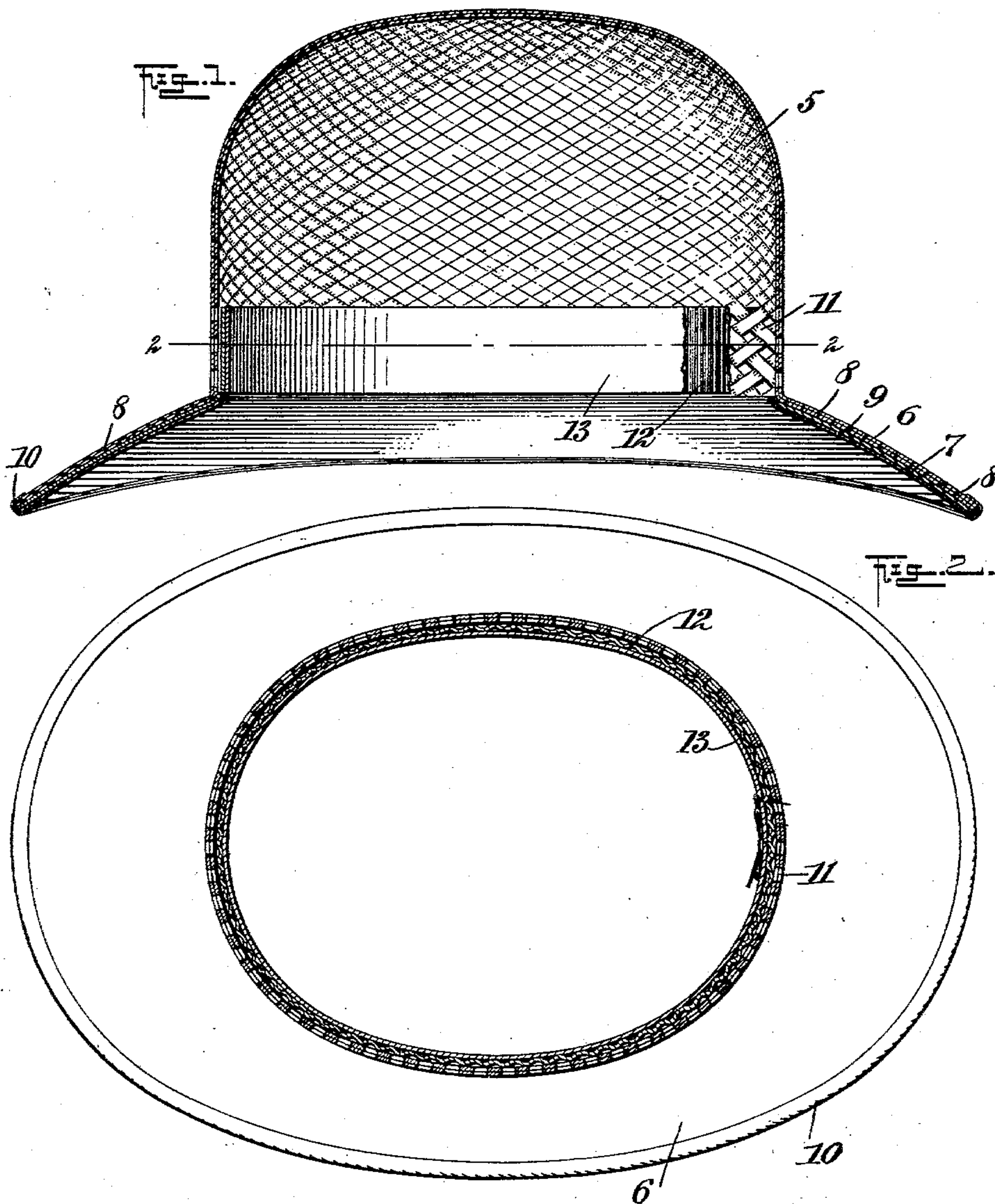
No. 753,047.

PATENTED FEB. 23, 1904.

J. J. CURTIS.
HELMET.

APPLICATION FILED NOV. 10, 1903.

NO MODEL.



WITNESSES:

Goldschlager
R. B. Canaghi

INVENTOR

Jeremiah J. Curtis

BY

Mumford

ATTORNEYS

UNITED STATES PATENT OFFICE.

JEREMIAH J. CURTIS, OF JERSEY CITY, NEW JERSEY.

HELMET.

SPECIFICATION forming part of Letters Patent No. 753,047, dated February 23, 1904.

Application filed November 10, 1903. Serial No. 180,553. (No model.)

To all whom it may concern:

Be it known that I, JEREMIAH J. CURTIS, a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Helmet, of which the following is a full, clear, and exact description.

This invention relates to head-gear, and has particular application to certain novel and useful improvements in helmets or the like.

In carrying out the present invention I have specially in view as an object the provision of an article of head-gear which shall be so constructed as to embody the desirable features of lightness, comfort, and coolness.

As is well known, the helmets ordinarily worn by policemen, firemen, and similar public officials are objectionable, especially in warm weather, on account of the weight and the difficulty in ventilating the same to attain coolness and comfort.

It is my aim, therefore, to overcome these difficulties; and to accomplish this my invention consists in the construction, combination, and arrangement of parts as is described in this specification, illustrated in the accompanying drawings, and set forth in the annexed claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a vertical longitudinal sectional view taken through a helmet embodying my improvements, and Fig. 2 is a horizontal sectional view taken substantially on the line 2 2 of Fig. 1.

Referring now to the accompanying drawings, the numeral 5 designates the crown portion of the hat or helmet, which is in the present instance shown as constructed of straw, although such crown may be made of any suitable light-weight material. The brim portion of the hat or helmet, which is shown at 6, inclines or extends downward in the ordinary well-known manner and is formed of the same material of which the helmet is constructed. Heretofore great difficulty has been experienced in making the brim of the helmet sufficiently light and at the same time

obtaining the rigidity necessary, and therefore it has been impossible to make such brim of straw. In order, therefore, to stiffen and render the straw-brim 6 of my helmet rigid, I secure to the under side of said brim a plate 55 of light metal—for instance, aluminium—which is shown at 7, said aluminium plate being of the same shape and contour as the brim itself, and it is secured to the latter through any desired means, as by the stitches 8. For this purpose a number of thread holes or apertures may be formed in the aluminium brim, and, if desired, the outer face of the aluminium brim may then be covered with any suitable material, such as a layer of cloth 65 or fabric, which forms a suitable trimming and covering for the metal. The entire brim of the helmet, constructed, as it then is, of the straw, the aluminium, and the fabric covering, is then bound around the outer edge with a 70 binding of any well-known sort, such as shown at 10, the cloth covering being indicated by the numeral 9.

In order to secure the best possible ventilation for the helmet, the straw at the lower or base portion of the helmet is woven with the strips a considerable distance apart, as is shown at 11, so that the air may pass freely through the same, and a band of corrugated material (shown at 12) is interposed between this open portion of the crown and an ordinary hat-band 13. It will thus be seen that the air may pass freely in through the open-work of the crown, and passing up alongside the corrugated strip may enter the crown of the helmet and cool 85 the same.

It will be noted that I have provided a helmet which will be found exceedingly comfortable in warm weather, both on account of its lightness and the manner in which it is ventilated.

An especial advantage incident to stiffening the brim with the aluminium is that the helmet may be made of straw or any light flimsy material, a thing which has been heretofore 95 impossible, because it has been difficult to stiffen the brim sufficiently.

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

1. A helmet comprising a crown portion 100

formed of straw or similar light material, a
brim portion, and a stiffening-plate of alu-
minium or the like connected to the under side
of and extending entirely around the brim
5 portion.

2. A helmet comprising a crown portion, a
brim portion, a stiffening-plate of metal se-
cured to the under side and extending entirely
around the brim portion and conforming to
10 the shape and inclination of the brim, a fabric
for covering the stiffening-plate secured to the
outer face of the latter, a binding extending
entirely around the outer edge of the brim and
securing the fabric and the plate, and means
15 for ventilating the helmet.

3. A helmet comprising a crown portion and
a brim portion, a metallic stiffening-plate for
the brim, the crown portion adjacent to the
brim having openings formed therein for the
20 ventilation of the helmet, a hat-band secured

within the crown portion, and a corrugated
strip interposed between the open-work por-
tion of the crown and the hat-band.

4. A helmet comprising a crown portion and
a brim portion, the lower part of the crown 25
adjacent to the brim having openings therein
for the ventilation of the helmet, a corrugated
band arranged to extend entirely around on
the interior of the crown portion adjacent to
the open-work portion, and a stiffening-plate 30
of aluminium secured to the under side of brim
of the helmet.

In testimony whereof I have signed my name
to this specification in the presence of two sub-
scribing witnesses.

JEREMIAH J. CURTIS.

Witnesses:

R. B. CAVANAGH,
JNO. M. RITTER.