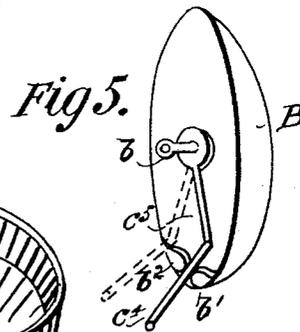
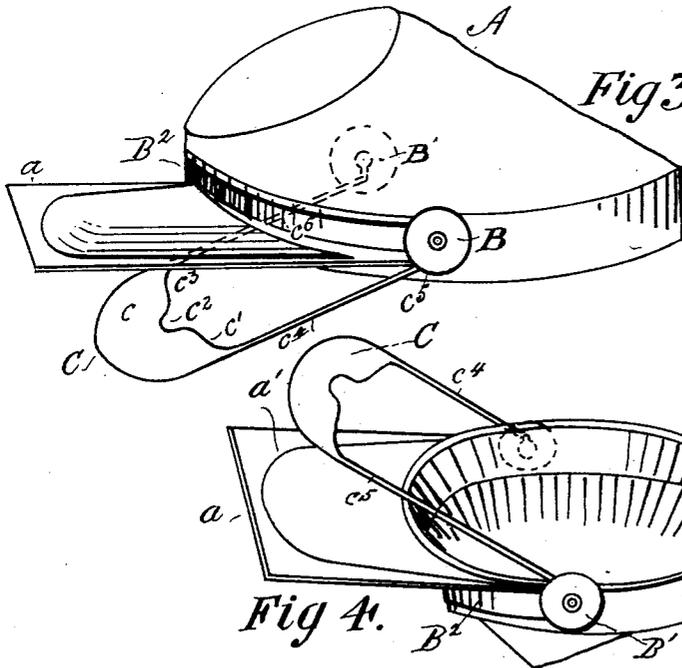
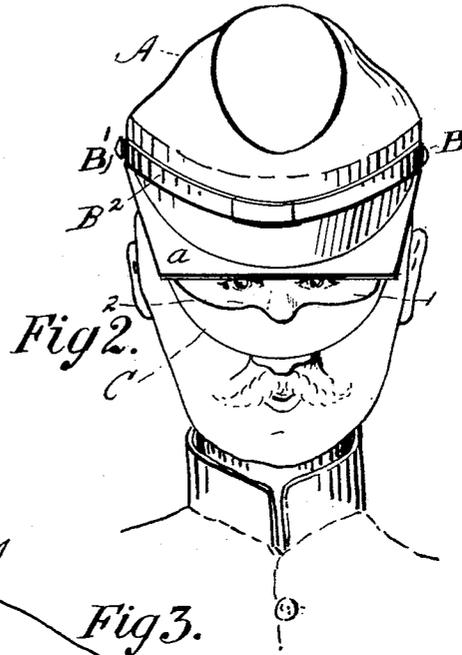
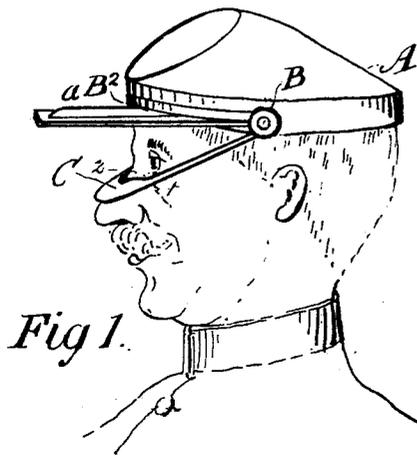


(No Model.)

J. GIBSON.
EYE SHADE.

No. 593,374.

Patented Nov. 9, 1897.



WITNESSES:

[Signature]
[Signature]

INVENTOR:

James Gibson
BY
Rich^d W. Manning
ATTORNEY.

UNITED STATES PATENT OFFICE.

JAMES GIBSON, OF KANSAS CITY, MISSOURI.

EYE-SHADE.

SPECIFICATION forming part of Letters Patent No. 593,374, dated November 9, 1897.

Application filed August 14, 1896. Serial No. 602,790. (No model.)

To all whom it may concern:

Be it known that I, JAMES GIBSON, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a certain new and Improved Combined Head-Covering and Eye-Shade; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention has for its object to prevent injury to the sight by the reflective rays of light from the ground; and it consists in the novel parts constructed and arranged as hereinafter fully described.

Referring to the drawings, Figure 1 is a side or profile view of a man's head with a head-covering consisting of military cap, showing the invention applied thereto and in position for use. Fig. 2 is a face view of the head with the eye-shade in position as seen in Fig. 1. Fig. 3 is a view of the eye-shade, showing the means in both sides of the cap for holding the shade raised or lowered in position, the cap being shown in dotted lines. Fig. 4 is a view of the cap in an inverted position, showing the depression in the vizor to receive the shade when not in use. Fig. 5 is an enlarged detail view of one of the strap-holding buttons on the side of the cap, showing the stops on the inner side for the shade-supports.

Similar letters and numerals of reference indicate corresponding parts in all the figures.

A in the drawings represents a cap of the description worn by persons in the military service and known as a "fatigue-cap," the vizor *a* extending horizontally from the front side of the cap a considerable distance and in width nearly equal to the width of the forehead of the wearer.

B B' are strap-securing buttons on each side of the cap, and B² is the extensible strap, which may be extended beneath the chin.

C is the novel eye-shade or deflector, which is made as follows: From a flat sheet of heavy card or leather board is cut, in the form of the segment of a circle, the single piece of board *c*, forming the body of the eye-shade. In the inner edge of the body of the eye-shade, cor-

responding to the chord of the segment and extending from one end of the shade in the direction of the other end nearly one-third the described distance, is a curved depression *c'*, 55 which conforms to the projection of the cheekbone of the person's head (marked 1 in the drawings) and extends nearly to one side of the nose, (marked 2 in the drawings.) At a point on the inner edge of the eye-shade 60 equidistant from the ends of said shade is a depression *c²* of considerable extent and conforming to the upper part of the nose, (marked 2 in the drawings.) Upon the other side of the depression *c²* and in the direction of the 65 other end of the eye-shade is an extended curved depression *c³*, which is the same as depression *c'*. To one end of the eye-shade is connected rigidly at one end a straight piece of wire *c⁴*, the other end of which piece extends in an upward direction to a position a 70 short distance beneath the button B on the side of the cap and is then bent upwardly at *c⁵* and the extreme upper end made flat and perforated transversely to receive the eye *b* 75 of the button B. To the other end of the eye-shade is attached one end of a straight piece of wire *c⁶*, which is of the same length as the wire *c⁴*, and the other end bent upward and perforated and connected with the button B' 80 in the same manner as described of the wire *c⁴*. On the inner side of the button B, close in position to the lower edge, are separate lugs or projections *b' b²*, arranged a slight distance apart and upon each side of the wire *c⁴* in its 85 inclined position. Upon the inner side of the button B' are lugs, which are arranged in position in the same manner as described of the lugs *b' b²*, the upper surface of the lug *b²* being slightly curved and the lug corresponding 90 thereto on the button B' in the same manner.

The eye-shade C is made to extend outwardly a distance slightly less than that described by the vizor *a*, and in the under side portion of said vizor is a depression *a'*, which 95 is slightly larger and conforms to the proportions of the vizor C upon its outer edge and extends rearwardly to the forward side of the cap, within which the wires *c⁴ c⁶* are extended when the vizor is raised in position 100 and not in use. In connecting the wires *c⁴ c⁶* with the cap the edge of the button is passed

through the perforation in the end of the wire, thence through the end of strap B³, and sewed to the cap-band in the usual manner.

The obvious utility and importance of the invention consists in the prevention of the glaring rays of light from reaching the eye and decreasing the efficiency of the organ of sight. These rays are intensified when reflected from sand and limestone surfaces of ground, and in the former a degree of blindness is the result.

In its application to the military cap the improvement removes the fatigue to the eye, and in the employment of the firearms a clearer and more effective sight is obtained, thus effecting precision in the aim of the piece, which is commonly prevented by the aberrations of light.

The improved eye-shade is adapted for all out-of-door occupations, particularly in the driving of vehicles, bicycles, and other modes of locomotion where the sight is important to preserve unwearied.

The eye-shade is also a protection from snow-blindness and also those in the marine and maritime service.

The eye-shade, it will be observed, in its peculiar formation, which adapts it to fit the surface-lines of the face, prevents the rays of light from passing between the face and the shade.

The improved eye-shade may be made from any suitable material and in separate parts for each side of the face, if preferred, with such other modifications as are readily suggested, such as extending the wires entirely around the front edge of the shade and making a frame, so as to be covered with cloth, and varying the form of the shade.

When the eye-shade is not in use, it is raised by the hand, and the slight pressure given to the wires $c^4 c^6$ releases the wires from the lugs, the wires springing inwardly, and the shade enters the depression a' in the under side of the vizor and is concealed from view. The bent portion of the wire is thereby brought into a position on the other side of the lug and, bearing thereon, holds the shade in the recess in the vizor of the cap.

In lowering the eye-shade the finger is placed upon the inner edge of the shade and a slight movement given thereto downwardly, the wires pass over the lugs, and the shade, which is agreeable and useful to the eye, is held in position without bearing on the face between the stops or lugs on the buttons of the cap.

Having fully described my invention, what I now claim as new, and desire to secure by Letters Patent, is—

The combination with a covering for the head and buttons upon each side of said covering having an eye, and suitable lugs opposite in position upon the inner side of said button of an eye-shade, and longitudinally-extended wires upon opposite sides of said head-covering each wire having one end connected with said eye-shade and the other end extending between said lugs and pivotally connected with the eye of said button and also bent at an angle to the wire between said lugs and the eye of said button as and for the purpose described.

JAMES GIBSON.

Witnesses:

OSCAR SERODINO,
HENRY MAUZY.