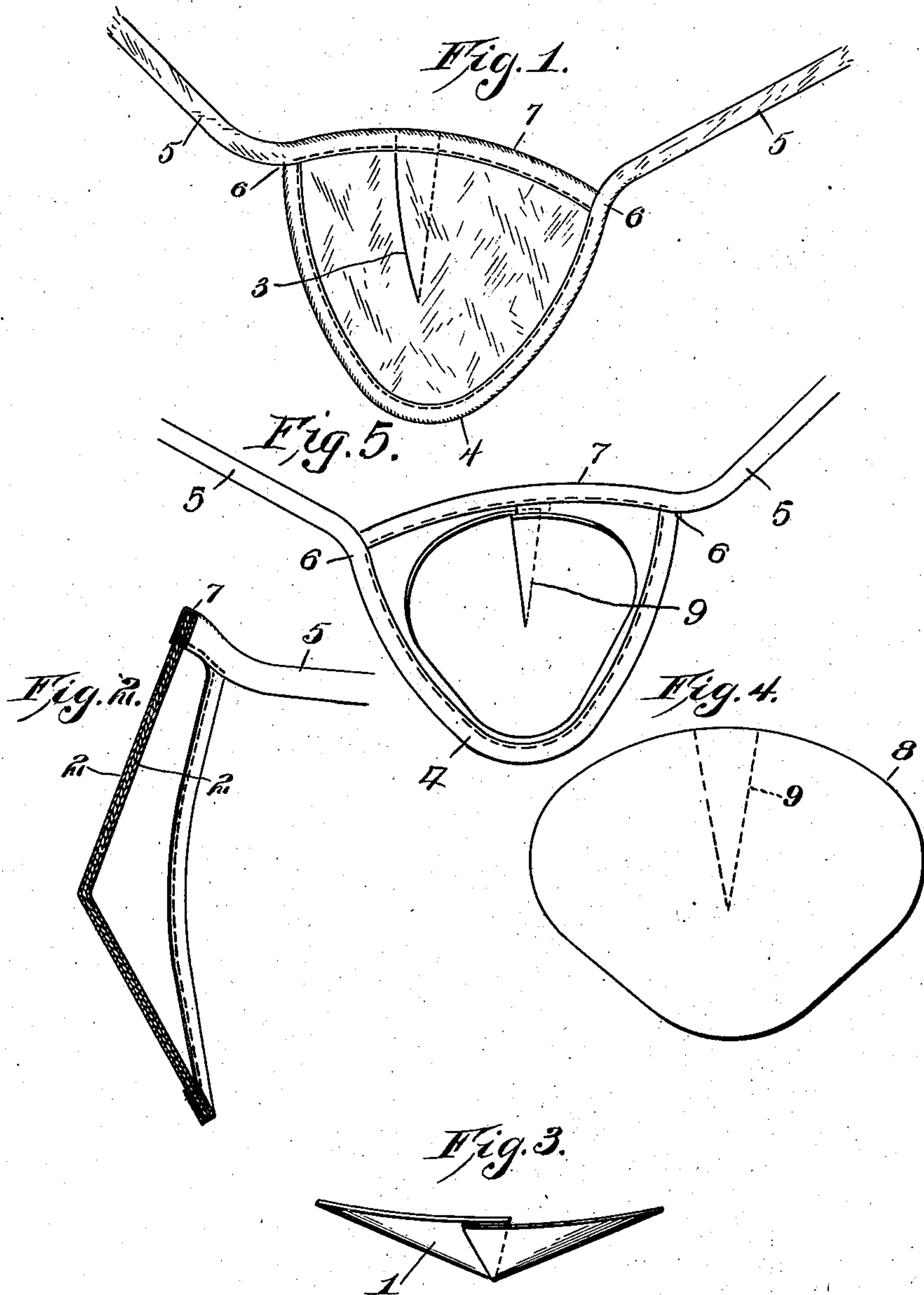


A. F. BURDICK.
EYE SHIELD.

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915,738.

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Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

AUSTIN F. BURDICK, OF BELOIT, WISCONSIN.

EYE-SHIELD.

No. 915,738.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUSTIN F. BURDICK, citizen of the United States, residing at Beloit, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Eye-Shields; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to eye shields or protectors, and its object is to provide a simple, durable and inexpensive device of this character which will fit close to the face of the user without exerting any pressure upon, or restricting the movements of the eyeball and lid.

A still further object is to provide a device of this character which can be adjusted so as to prevent the admission of light to the eye without necessarily utilizing elastics.

Another object is to provide an eye shield or protector having a moisture proof lining which may be permanent or removable and which is formed of any suitable material whereby medicated cotton or other dressing may be placed within the shield without the moisture contacting therewith and injuring it.

The invention also consists of the further novel features of construction and combination of parts, which will be hereinafter more fully described and pointed out in the claim.

In the accompanying drawings I have shown the preferred form of my invention.

In said drawings—Figure 1 is a perspective view of the shield; Fig. 2 is a vertical section therethrough; Fig. 3 is an end view of the interior or body of the shield; and Fig. 4 is a detail view of a moisture-proof lining which may be used in connection with the shield. Fig. 5 is a perspective view showing the device with the moisture-proof lining in operative position.

Referring to the figures by numerals of reference, 1 is the body of a shield, the same being preferably formed of buckram cut the proper shape and having a slit formed therein and extending from the middle of the upper edge to the center so that the edges of the slit can be caused to overlap, as shown in Fig. 3, to produce a substantially conical device. This body 1 is then placed between layers 2 of silk or other suitable material,

which layers are folded into the slit within the body 1, as shown at 3 in Fig. 1, so that the entire device will assume a substantially conical appearance, whereupon the edges of the body and the layers 2 are bound together by means of tape 4 or other suitable material. The parts of the shield are so shaped that, after they have been assembled in this manner, the same will have such a contour as to fit snugly within that portion of the face bounded by the nose, orbital ridge and cheek. Two strips of tape are preferably employed in binding the shield, and each strip extends from one corner of the shield to constitute a securing device 5, and these corners 6 from which the devices 5 project are located at opposite ends of the upper edge 7 of the shield. This edge is curved so that the central portion thereof is above the corners 6.

In applying the shield herein described, the upper edge 7 is placed upon the orbital ridge, and the tapes 5 are placed about the head and after being drawn tightly are fastened together. As the edge 7 extends above the corners 6 it will obviously form a fulcrum, and when the tapes 5 are tightened the shield 1 will be drawn inward against the face at points around the eye so that the light rays will be positively excluded and there is no danger of the shield flapping. Moreover, as the shield is substantially conical in form it will not contact with the eyelid or interfere with its action or the action of the eyeball. The shield can be used either to exclude light or to hold suitable medicines in contact with the eye. Where material saturated with medicine is to be used in connection with the shield, said shield may be provided with a moisture-proof lining 8 of oiled paper or other suitable material which can be folded along the dotted lines 9 shown in Fig. 4 and inserted into position upon the inner face of the shield the tapered folded portion thus formed being inserted into the slit of the shield and adjacent covering. The medicine-saturated material can then be placed upon this lining 8 and the moisture will not enter the shield and injure it.

It will be seen that this device is extremely useful in all pathological conditions where it is necessary to shield the eye from light, to apply dressing thereto, or to exert pressure thereon. It will be obvious that

pressure can be regulated by the amount of material placed within the shield.

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

As an improved article of manufacture, an eye shield comprising a body portion of substantially conical form having its upper edge curved to bear upon the orbital ridge of the frontal bone at a point above the points of connection of the fastening devices so as to fulcrum upon said orbital ridge, fastening devices for drawing all edges of

said body portion against the face to exclude the light, and a moisture proof lining folded upon diverging lines and removably insertible into position upon the inner face of said body portion. 15

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 20

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