

Sept. 3, 1935.

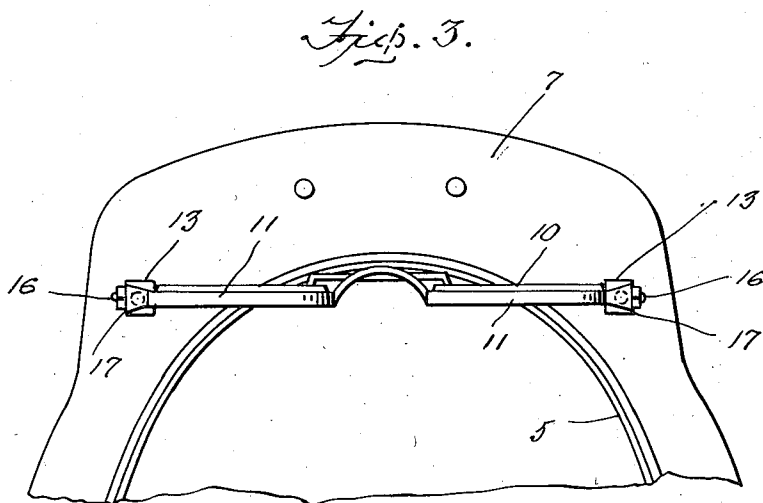
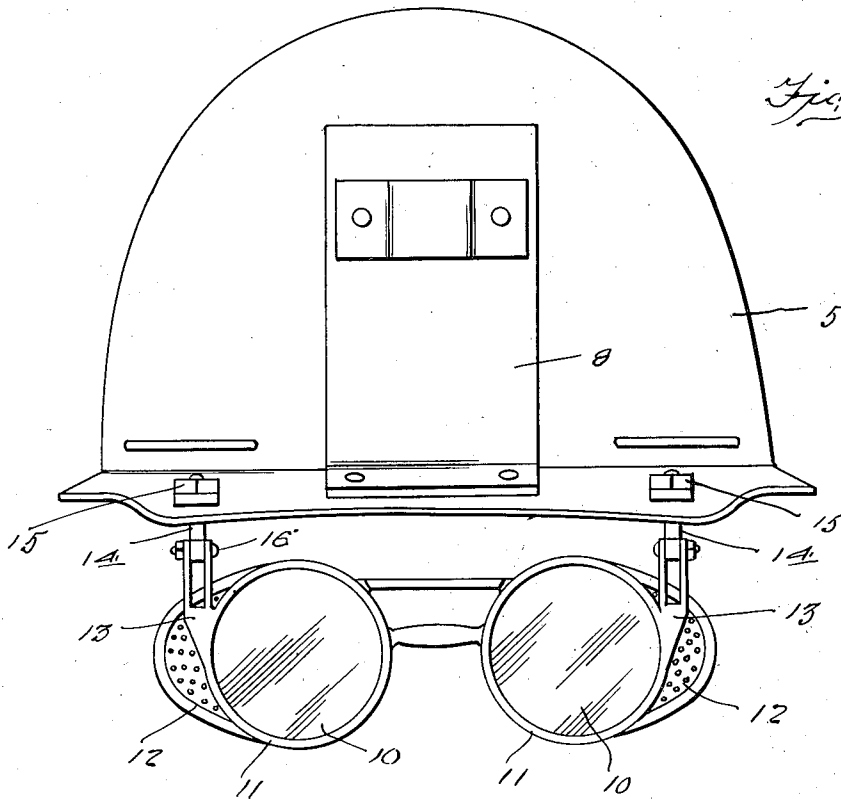
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2,013,636

EYESHIELD FOR MINERS

Filed Oct. 24, 1934

2 Sheets-Sheet 1



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Fig. 2.

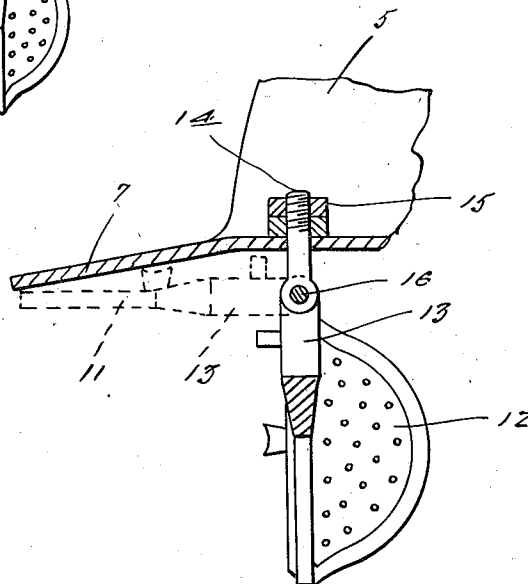
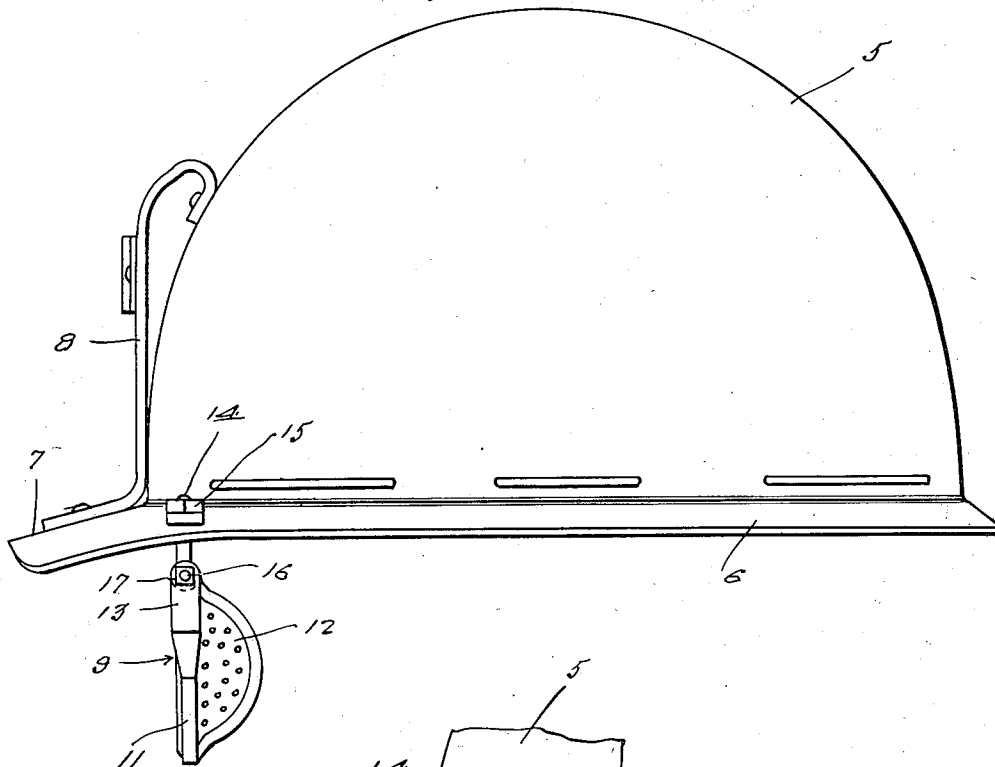


Fig. 4.

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UNITED STATES PATENT OFFICE

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EYESHIELD FOR MINERS

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Application October 24, 1934, Serial No. 749,846

1 Claim. (Cl. 2—10)

This invention appertains to new and useful improvements in eye shields for miners and more particularly to a miner's helmet with means associated therewith for shielding the eyes of the wearer.

The principal object of the present invention is to provide an eye shield for miners which can be worn upon the head gear of the miner and readily adjusted to operative or inoperative positions.

During the course of the following specification other important objects and advantages of the invention will become apparent to the reader.

In the drawings:

Figure 1 is a front elevational view of the helmet.

Figure 2 is a side elevational view.

Figure 3 represents a fragmentary bottom plan view showing the forward portion of the helmet and the eye shield.

Figure 4 is a fragmentary detailed section showing the shield in useful position.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 represents the helmet which is preferably constructed of some force-resisting material and this is equipped with the rim portion 6 slightly enlarged at the forward portion of the cap to provide a small beak 7. Secured to this beak and extending upwardly to be attached to the upper portion of the helmet 5 is the miner's lamp carrying bracket 8.

Numeral 9 generally refers to the eye shield which here consists of the two shatter or break-proof glasses 10—10 in their rims 11, these rims 11 being provided with perforated side guards 12 of the type and construction usually found in goggles and like eye guards.

Extending upwardly from the outer side por-

tion of each of the rims 11 is a bifurcated post 13. Numerals 14—14 represent eye bolts extending through the beak portion 7 of the head gear, the upper ends of these bolts being provided with nuts 15 whereby the bolts are secured in the depending position shown in Figures 1 and 4.

The lower eye ends of the bolt extend into the bifurcated post 13 and pins 16 extend through the leg portions of the posts and through the eye ends of the bolts 14 and obviously by tightening these pins which are simply small bolts equipped with nuts 17, sufficient friction can be obtained between the eye portions of the posts 13 and the eye ends of the bolts 14 so that the eye shield will readily stay in the position wished, for instance in the inoperative position shown in dotted lines in Figure 4.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size, and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

In a miner's hat, a beak portion, an eye shield, said eye shield consisting of a frame and a lens therein, said frame being circular, an upstanding bifurcated member secured to and disposed tangentially with respect to the frame, an eye member for disposition through the beak of the hat and having the eye thereof at the lower end thereof adapted to engage into the said bifurcated member and a pin for disposition through the bifurcated member and eye for pivotally securing the said bifurcated member to the eye member.

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