

No. 691,623.

Patented Jan. 21, 1902.

A. HARRIS.
MINER'S HAT.

(Application filed Apr. 6, 1901.)

(No Model.)

Fig. 1.



Fig. 2.

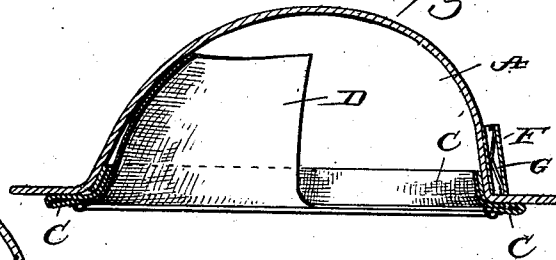
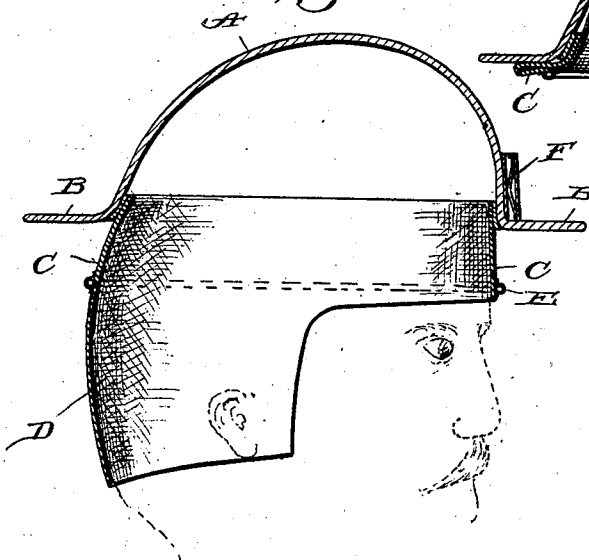


Fig. 3.



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ALFRED HARRIS, OF CALUMET, MICHIGAN.

MINER'S HAT.

SPECIFICATION forming part of Letters Patent No. 691,623, dated January 21, 1902.

Application filed April 6, 1901. Serial No. 54,692. (No model.)

To all whom it may concern:

Be it known that I, ALFRED HARRIS, a citizen of the United States, residing at Calumet, in the county of Houghton and State of Michigan, have invented a new and useful Miner's Hat, of which the following is a specification.

This invention relates to a miner's hat; and the object of the invention is to provide an article suitable to be worn by miners while at work in a mine or while ascending or descending the same and is adapted to prevent water, dirt, and other substances from lodging in the hair, ears, and down the wearer's neck.

Another object is to provide an article to protect the ears and neck from cold and also to lessen the effect of the report of explosives used in blasting and which is so conducive to deafness.

With these objects in view my invention consists, essentially, in providing a cap with a depending flap, of rubber, adapted to encircle the upper portion of the head, said flap having a supplemental extension adapted to cover the ears and back of the head, the main flap being adapted to be folded up against the rim of the hat and the supplemental rim folded inside the crown of the hat.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view showing the practical application of my invention. Fig. 2 is a sectional view of a hat, the attachment being folded. Fig. 3 is a sectional view taken through the supporting-bracket.

In the practical application of my invention I employ a hat A, having a stiff brim B. A depending flap, preferably of rubber, is attached to the inner edge of the rim and is adapted to extend around the forehead and the rear portion of the head which is below the brim of the hat. A supplemental flap D, preferably of softer and thinner rubber, is attached to the main flap C, said supplemental

flap being arranged at the rear of the main flap and adapted to cover and protect the ears, the back of the head, and the neck of the wearer. A wire band E is located in the lower edge of the main flap C. When in use, the wire band will hold the flap snug to the head, and thereby prevent water and dirt getting into the hair or down the neck of the wearer, and the supplemental flap covering the ears will prevent the ears being injured by explosions. When not in use, the main flap is folded up against the rim of the hat and the supplemental flap is turned inside the crown of the hat. In this position the wire band also aids in retaining the main and supplemental flaps in their proper positions. The bracket or support for holding the lamp is arranged upon the brim of the hat at the forward end, said bracket or support consisting, essentially, of a tubular casing F, essentially rectangular in cross-section and having a bow-shaped leaf-spring G arranged vertically therein, the bow portion of the spring bearing against the rear member of the tubular casing.

When it is desired to remove the lamp, the spring is pressed forwardly and the hook moved upwardly to such a point that it can be disengaged from the locking-tongue upon the upper end of the spring.

It will thus be seen that I provide a simple and efficient construction of miner's hat which will securely hold the lamp in position and will also protect the miner from dirt, water, and also from the effects of explosions.

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

A hat of the kind described, having a depending flap of rubber or other material, a supplemental flap of soft rubber and an encircling wire band arranged at the juncture of the main and supplemental flaps, substantially as shown and described.

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