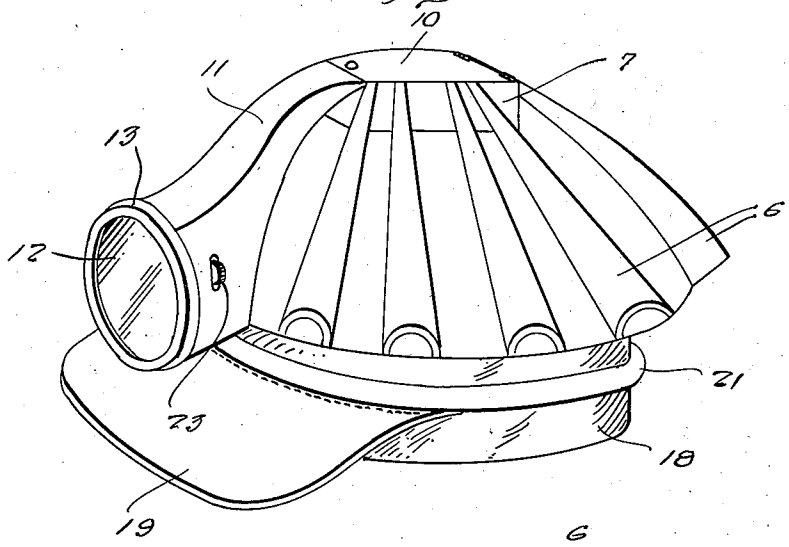
Sept. 27, 1938. H. C. COWDEN 2,131,617

MINER'S HEADGEAR

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Fig. 1.



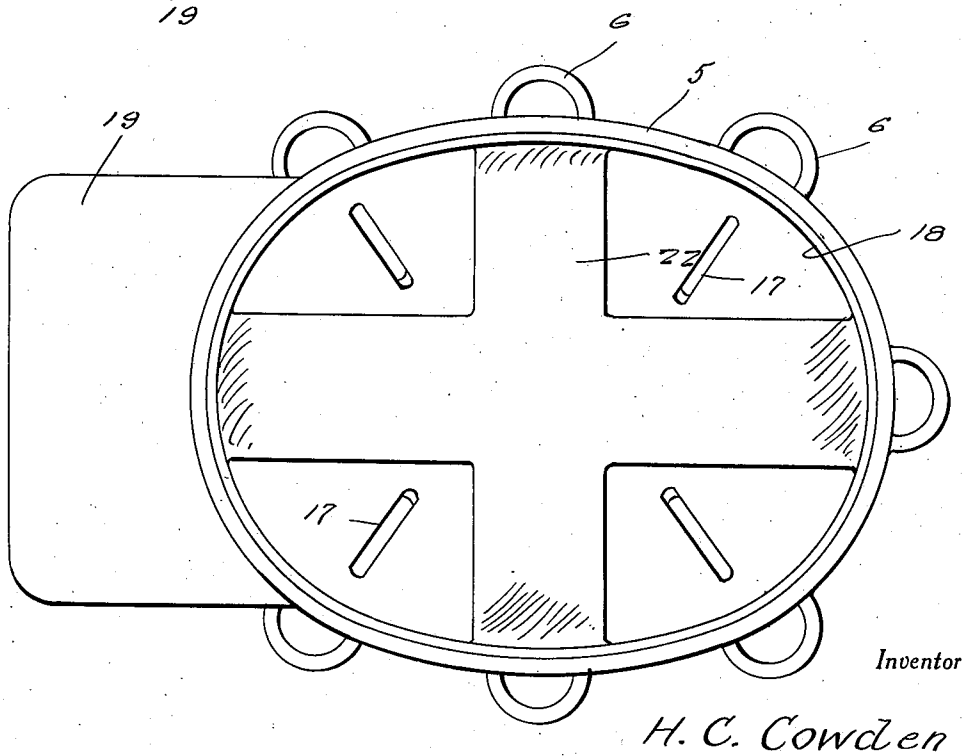


Fig. 3.

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Fig. 2.

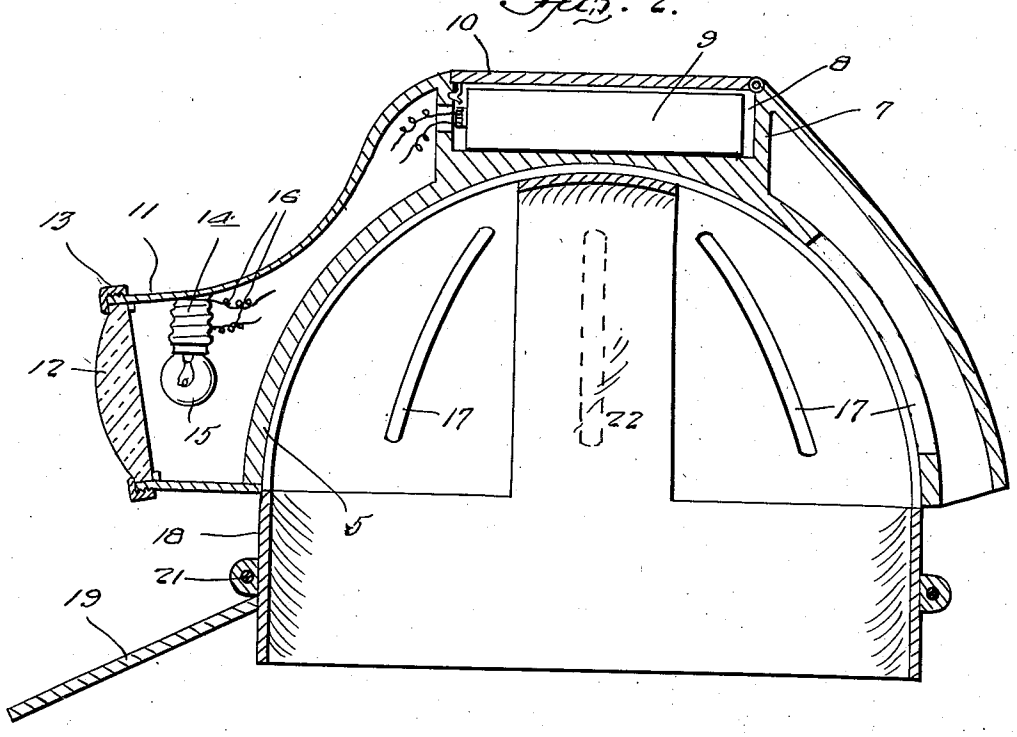
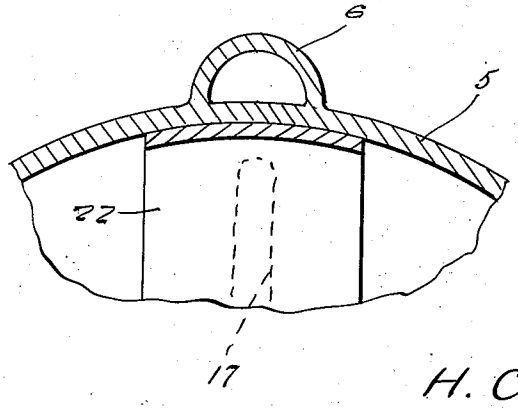


Fig. 4.



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2,131,617

UNITED STATES PATENT OFFICE

2,131,617

MINER'S HEADGEAR

Henry Charlie Cowden, Cromona, Ky., assignor of one-fourth to George Walter Earles, Kingsport, Tenn.

Application April 20, 1937, Serial No. 138,058

1 Claim. (Cl. 2—3)

This invention appertains to new and useful improvements in headgear adapted to be worn by miners and others engaged in hazardous work.

The principal object of the present invention is to provide a helmet adapted to be worn by miners which while being light will at the same time be sturdy and sufficiently reinforced to ward off falling articles which would ordinarily inflict injury on the miner.

Another important object of the invention is to provide a headgear adapted to be worn by miners which is reinforced in such a manner as to protect the miner's head and at the same time provided with illuminating means built into the headgear.

Other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 represents a perspective view of the headgear.

Figure 2 is a vertical sectional view through the headgear.

Figure 3 is a bottom plan view of the headgear.

Figure 4 is a fragmentary horizontal sectional view through the headgear.

Referring to the drawings, wherein like numerals designate like parts, it can be seen that numeral 5 represents a dome-shaped structure preferably of hard fiber which is provided with a multiplicity of downwardly extending corrugations 6 on its outer side radiating from the thickened top portion 7 of the shell 5. This thickened portion 7 is hollow to define a compartment 8 in which the battery 9 can be disposed, and this compartment is provided with a hinged closure 10.

A forwardly extending neck-like extension 11 is provided on the forward side of the shell 5 and this is provided with a lens 12 in the forward end thereof held in place by a removable rim 13. In this shell 11 is the bulb socket 14 for containing the bulb 15. From the socket extend wires 16 to the battery 9.

It is preferable that slots 17 or other openings extend through the shell 5 to open the interior of the shell 5 to the inside of the corrugations 6. On the other hand, the shell 5 itself may be corrugated. These corrugations 6 obviously reinforce and serve to ward off various objects that might ordinarily injure the miner's head.

Numeral 18 represents a head encircling band from the forward portion of which extends the visor 19 which is attached to the cloth covered reinforcing wire 21 which circumscribes the band 18. The band 18 has the crossed extensions 22 which extend upwardly against the inside of the shell 5.

While the foregoing specification sets forth the invention in specific terms, it is 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 thus described my invention, what I claim as new is:

A safety headgear comprising a dome-shaped structure provided with a raised utility containing pocketed structure at its top portion, a plurality of hollow flute structures extending downwardly from the pocketed structure and terminating adjacent the lower edge of the dome-shaped structure and being open at their lower ends, said dome-shaped structure provided with slits therein communicating the interiors of the flutes with the interior of the dome-shaped structure to promote ventilation.

HENRY CHARLIE COWDEN.