

A. A. SONAK.
MINER'S CAP.
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974,442.

Patented Nov. 1, 1910.

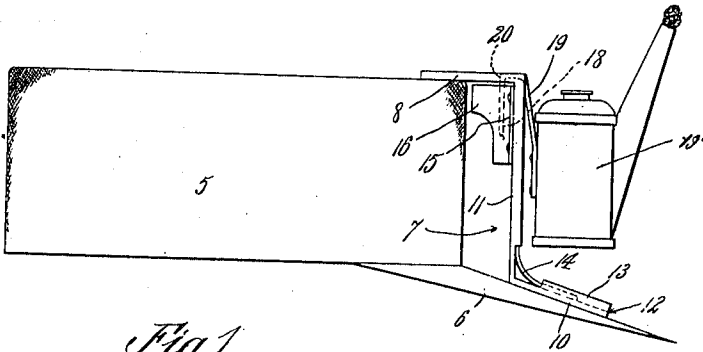


Fig. 1.

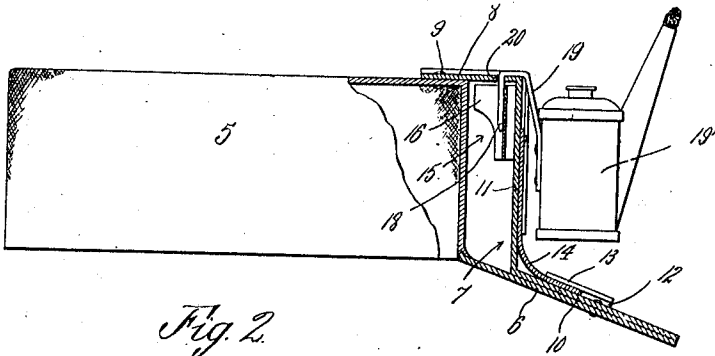


Fig. 2.

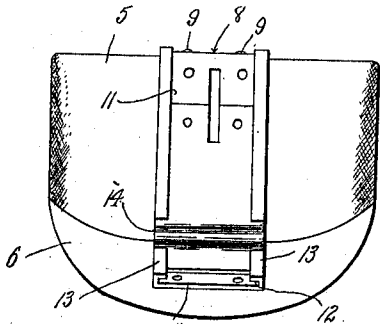


Fig. 3.

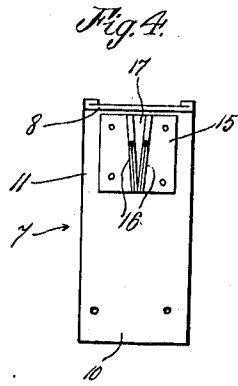


Fig. 4.

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UNITED STATES PATENT OFFICE.

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MINER'S CAP.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT A. SONAK, a citizen of the United States, residing at Sprague, in the county of Raleigh, State of West Virginia, have invented certain new and useful Improvements in Miners' Caps; 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.

The invention relates to miners' caps and more particularly to the class of lamp holders for miners' caps.

The primary object of the invention is the provision of a lamp holder of this character in which the lamp or torch will be suitably extended in a rigid manner upon a miner's cap so as to effectually hold the lamp or torch from swinging sidewise, from turning over and spilling the oil over the cap.

Another object of the invention is the provision of a lamp holder of the class described in which a lamp may be easily and quickly attached to a miner's cap and which lamp will be rigidly held in the holder to prevent it from falling or becoming detached from the cap when the user stoops or assumes other attitudes.

A further object of the invention is the provision of a lamp holder of the class described which is simple in construction, thoroughly reliable and efficient and inexpensive in the manufacture.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, which disclose the preferred form of embodiment of the invention, and as pointed out in the claims hereunto appended.

In the drawings:—Figure 1 is a side elevation of a miner's cap with the invention applied thereto and supporting a lamp. Fig. 2 is a similar view partly in section. Fig. 3 is a front elevation with the lamp detached. Fig. 4 is a rear elevation of the lamp holder removed from the cap.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

In the drawings, the numeral 5 designates a miner's cap which is preferably formed of flexible material and constructed in the or-

dinary or well known manner having the usual vizor 6.

The improvement to which the invention relates is a lamp support or holder for caps of this character, the holder not only adapted to retain the lamp in substantially fixed position but to prevent swinging movement thereof when the miner raises or lowers his head or moves his head from side to side and also prevents the lamp falling from the cap.

The holder comprises a base plate 7, preferably constructed of flat sheet metal having its upper extremity bent rearwardly at right angles to form an extension 8, which latter is secured by rivets 9, to the top of the crown of the cap and the opposite extremity is bent forwardly at an inclination to form an inclined extension 10, resting against the outer face of the vizor and being suitably secured thereto, so as to hold the intermediate vertical portion 11, of the base plate in spaced parallel relation to the crown of the cap. The opposite side edges of the base plate are intumed as at 12, to form securing flanges 13, engaging and fastening a curved reinforcing plate 14, to the base plate and this plate 14, serves to strengthen the said base plate.

Directly beneath the right angular extension 8 of the base plate and secured centrally to the rear face of the vertical intermediate portion 11, of the base plate is a bracket 15, the same formed from a strip of metal bent to provide inwardly converging yieldable wings 16, the same forming therebetween a tapering socket or recess 17, into which is adapted to be wedged the bill 18, of a hook 19, secured to and carried by a torch lamp 19', the latter being of the usual or ordinary construction. To permit the introduction of the bill between the wings 16, into the socket 17, there is provided an alining aperture 20, in the extension 8, relative to the said socket, contained in the bracket on the holder.

From the foregoing, taken in connection with the accompanying drawings, it is thought the construction and operation of the invention will be clearly apparent without the necessity of a more extended explanation and therefore the same has been omitted.

What is claimed is:—

1. A lamp support comprising a base plate, a reinforcing plate carried by the

same, and a bracket secured to the base plate and having rearwardly projecting and downwardly converging yieldable wings to receive therebetween and wedge the bill of a lamp supporting hook.

2. A lamp support comprising a base plate and rearwardly projecting and downwardly converging means secured to the inner face of the base plate and adapted to wedge therein the bill of a lamp supporting hook.

3. A lamp support comprising a base plate, means secured to the base plate forming a V-shaped socket adapted to wedge therein the bill of a lamp supporting hook, and means reinforcing the base plate.

4. The combination with a cap, a base plate secured thereto and having a vertical portion, of a bracket secured to the vertical portion of the base plate and having rearwardly projecting and downwardly converg-

ing yieldable wings to receive and wedge therebetween the bill portion of the hook of a lamp.

5. A lamp support comprising a substantially Z-shaped plate having a central slot therein, and a strip of material secured at the inner face of the plate near its top, the said strip being bent to provide rearwardly projecting and downwardly converging yieldable wings disposed in the path of the slot and adapted to frictionally engage and wedge therebetween the bill portion of a lamp hook when passed through the slot in the plate.

In testimony whereof, I affix my signature, in presence of two witnesses.

ALBERT A. SONAK.

Witnesses:

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