

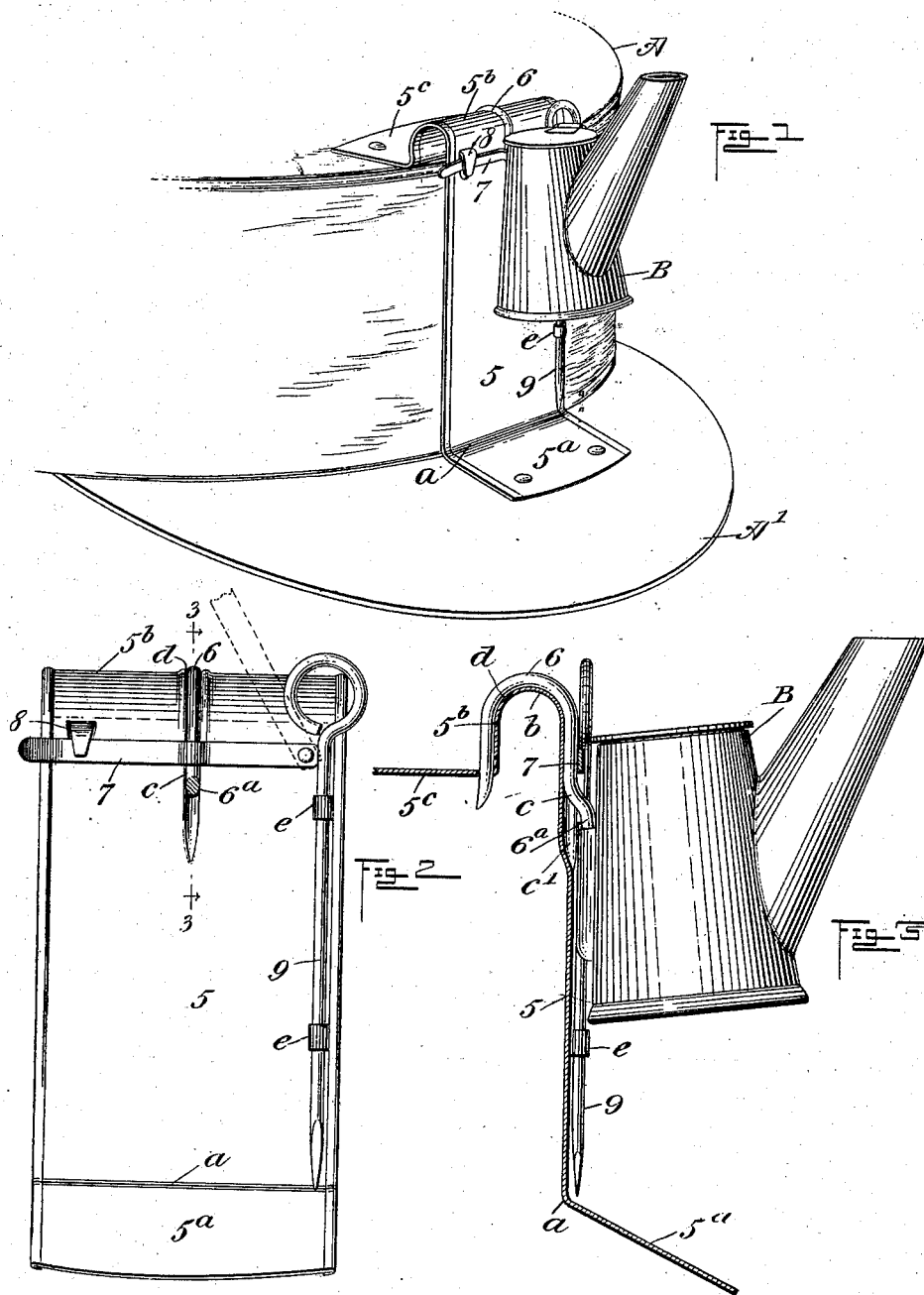
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J. A. BROWN.
HOLDER FOR MINERS' LAMPS.

APPLICATION FILED APR. 1, 1903.

NO MODEL.



WITNESSES:
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JAMES A. BROWN, OF POCAHONTAS, VIRGINIA.

HOLDER FOR MINERS' LAMPS.

SPECIFICATION forming part of Letters Patent No. 748,475, dated December 29, 1903.

Application filed April 1, 1903. Serial No. 150,554. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. BROWN, a citizen of the United States, and a resident of Pocahontas, in the county of Tazewell and State of Virginia, have invented a new and Improved Holder for Miners' Lamps, of which the following is a full, clear, and exact description.

This invention has for its object to provide novel, simple, and reliable means for detachably securing a miner's lamp upon the cap worn by the miner, so that the lamp will remain in place until designedly removed.

The invention consists in the novel construction and combination of parts, as is hereinafter described, and defined in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a miner's cap in part, a lamp-holder constructed in accordance with my invention, and a miner's lamp detachably secured on the holder. Fig. 2 is a front elevation of the lamp-holder, partly in section; and Fig. 3 is a transverse vertical sectional view of the lamp-holder substantially on the line 3-3 in Fig. 2 and a side view of the lamp held thereon.

One feature of the improvement comprises a bracket-plate 5, made of sheet metal and hemmed at the side edges, that are preferably parallel with each other. Near one end the bracket 5 is transversely bent, as indicated at *a*, thus projecting a flange 5^a downward and forward of a suitable length and having a proper inclination to permit it to seat upon and be secured to the vizor A' of a cap A, such as is usually worn by a miner. At the upper end of the bracket 5 another bend *b* is formed, this bend being in the form of a rounded arch, thus providing a semitubular formation 5^b, from which a flange 5^c extends in a direction opposite the trend of the flange 5^a. This flange 5^c is designed to seat upon the upper surface of the top of the cap A and be thereto secured, thus disposing the bracket-plate at the front of the cap A for the reception of a miner's lamp B.

The lamp B is furnished with the usual hook 6, attached to the body of the lamp by

means of a depending shank 6^a, and at the upper end of the shank an offset bend *c* is formed, that spaces the lower member of the hook proper from the lamp-body, near its upper end, as indicated at *c'* in Fig. 3. In the semitubular formation 5^b on the bracket-plate 5 an indented groove *d* is formed at the transverse center of said formation, this groove being of proper length and width to receive the bowed portion of the lamp-hook 6, the pointed end of the latter passing through a perforation in the flange 5^c at the base of the groove *d*, as shown in Fig. 3.

Upon the front of the upright portion of the bracket-plate 5, near the semitubular formation 5^b, a latch-bar 7 is pivoted near one end thereof, the body of this bar projecting across the bracket-plate and extending a short distance beyond the opposite side edge of said plate, as shown in Figs. 1 and 2. The mainly flat body of the latch-bar 7 is kinked opposite the groove *d*, so as to permit the latch-bar to receive the half portion of the hook-body 6 in the indentation or kink and fold against the bracket-plate. A catch-hook 8 for the retention of the latch-bar in folded condition is formed or secured on the bracket-plate 5 at a point that will permit said catch-hook to engage the latch-bar when the latter is folded across the lamp-hook 6, and it will be seen that the catch-hook projects downward. The relative position of the latch-bar 7 on the bracket-plate 5 is such that it will be disposed between the hook-body 6 and the lamp B, where the latch-bar is adjusted across the bracket-plate to secure the lamp on the bracket-plate.

In effecting an attachment of the lamp B upon the plate 5 the hook 6 is seated in the groove *d* and the latch-bar 7 is then rocked down over the hook-body sufficiently to carry said bar below the catch-hook 8. Then the latch-bar is rocked upward while pressing its free-end portion beneath the catch-hook, the latch-bar thus being put under sufficient lateral strain in effecting this latching engagement to prevent an accidental release of the bar 7, so that the lamp B is secured in position on the cap A and cannot become accidentally displaced therefrom.

Upon the bracket-plate 5 two loops *e* are formed or secured at one side edge thereof,

said loops being vertically alined, and thus adapted to receive the body of the wick-picking implement 9, that may thus be conveniently and securely carried near the lamp for use as occasion may require.

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

1. The combination with a miner's lamp
10 having a hook, of a bracket-plate formed to receive the bow portion of the hook, a transverse latch-bar pivoted on the bracket-plate at one side thereof and adapted to extend across the hook and plate, and means on the
15 plate to hold the latch-bar folded thereover.

2. The combination with a cap, and a bracket-plate secured thereon, of a lamp having a hook, that may seat on an integral arch on the plate, a latch-bar adapted to be extended across the plate and hook, and a catch-
20 hook on the plate adapted to hold the latch-bar folded.

3. The combination with a bracket-plate bent to provide a flange on its lower portion
25 for engagement with the vizor of a cap, and formed with an arched portion above said flange, from which projects a flange to seat on the top of said cap, the arched portion having a groove, of a latch-bar pivoted by
30 one end on the bracket-plate, so as to receive folding adjustment across the bracket-plate, for engagement with the hook on a lamp seated in the groove, and a catch-hook adapted to hold the latch-bar folded.

35 4. The combination with a miner's lamp having a hook, of a bracket-plate formed at its upper end into an arched portion, a latch-bar pivoted on the bracket-plate below said

arched portion and adapted to fold over the hook, and a keeper for holding the latch-bar
40 folded thereover.

5. The combination with a cap, of a bracket-plate secured thereon and provided with an integral arch, a lamp having a hook adapted to seat on said arch, a latch-bar adapted to
45 be extended across the plate over the hook, and a catch on the plate to hold the latch-bar across the plate in engagement with the hook.

6. The combination with a miner's lamp having a hook, of a bracket-plate formed at
50 its upper end into an arched portion to receive the bow portion of the hook, a latch-bar pivoted on the bracket-plate below said arched portion and adapted to fold over the hook, and a keeper for holding the latch-bar
55 folded thereover.

7. The combination with a cap, of a bracket-plate secured to its front and bent at its top into an arched portion with a flange extending rearwardly to rest upon the top of the
60 cap, said flange having an aperture at its point of union with said arched portion, and the cap having an aperture registering therewith, a lamp having a hook, the bow portion of the hook being adapted to engage said
65 arched portion with its extreme end extending through the registering apertures at the rear thereof, and means for holding the hook in engagement with said bracket-plate.

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

JAMES A. BROWN.

Witnesses:

W. M. MINTER,
W. H. RYE.