

W. S. ADAMS.
MINER'S LAMP HOLDER.
APPLICATION FILED AUG. 26, 1911.

1,011,003.

Patented Dec. 5, 1911.

Fig. 1.

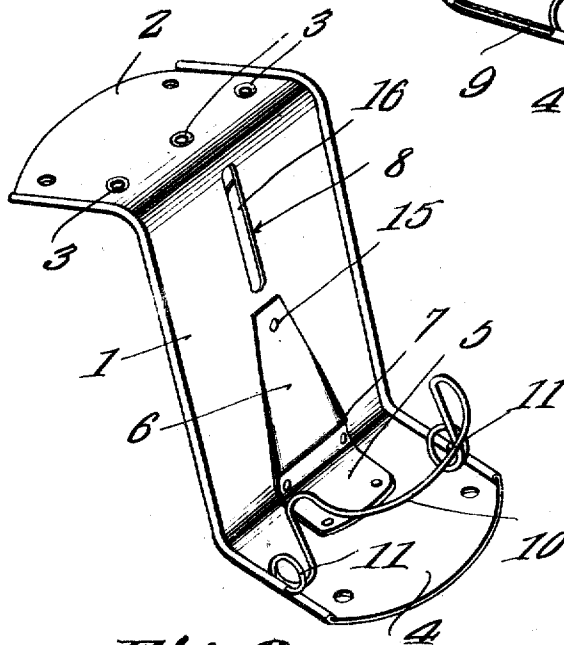
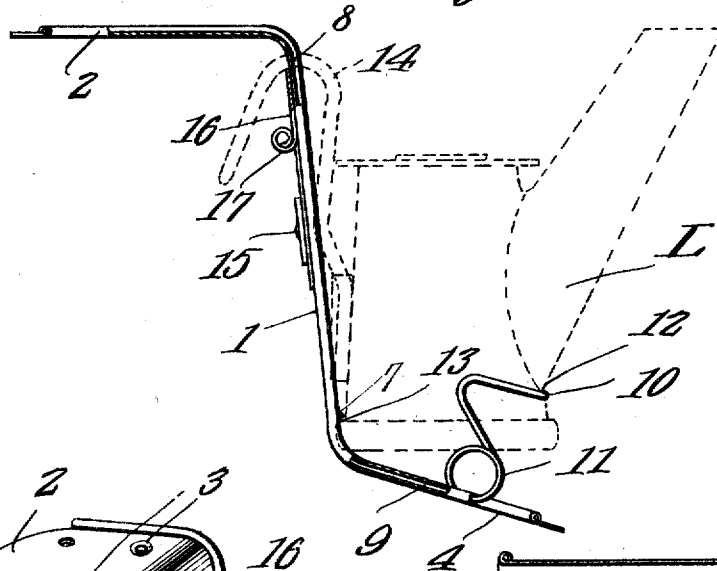


Fig. 2.

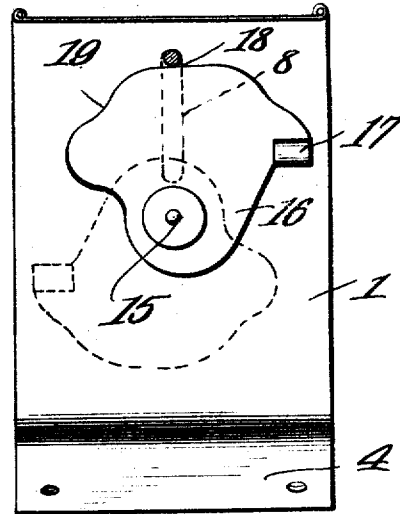


Fig. 3.

Witnesses
Frank B. Woodward.
L. H. Wilson

Walker S. Adams Inventor,
by *C. A. Snow & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

WALKER S. ADAMS, OF PARKERSBURG, WEST VIRGINIA, ASSIGNOR OF ONE-HALF TO
PERRY D. DYE, OF PARKERSBURG, WEST VIRGINIA.

MINER'S-LAMP HOLDER.

1,011,003.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WALKER S. ADAMS, a citizen of the United States, residing at Parkersburg, in the county of Wood and State of West Virginia, have invented a new and useful Miner's-Lamp Holder, of which the following is a specification.

The present invention relates to improvements in miner's lamp holders, and the primary object of the invention is the provision of a holder adapted to be attached to a miner's cap provided with a lower spring clamping means for engaging the lower portion or base of the lamp and with an elongated slot through which the hook of the lamp is adapted to be projected and be locked in an immovable position by means of a cam plate pivotally connected to the rear face of the support.

A further object of this invention is the provision of a holder the main plate of which is made from a single piece of metal with reinforced edges, and bent to form an angular lamp support having a spring clip and a coacting shouldered portion adapted to engage the base of the lamp to hold the same toward the holder a portion of the holder adjacent the lamp holder being provided with a central elongated slot, the supporting lamp hook being disposed within the elongated slot and held therein by means of a pivoted cam plate disposed above the rear of the plate thus providing with the spring clip a means for firmly gripping the lamp at its bottom or base and for clamping its supporting hook removably in position.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—Figure 1 is a side elevation of the holder a portion thereof being shown in section, with a lamp shown in dotted lines, said lamp being shown in locked position. Fig. 2 is a front perspective view of the complete holder. Fig. 3 is a rear elevation thereof.

Referring to the drawings, the numeral 1

designates the central portion of the holder which is made preferably of a strip of sheet metal having its upper end 2 bent at an angle thereto and provided with a series of eyelets 3 for engagement with the usual prongs of a miner's cap. The lower end 4 of the plate is bent outwardly to incline downwardly and out of parallel with the terminal 2. Secured to the forward portion of the plate, its lower end 4 and also to the central portion 1 intermediate of the sides thereof, is a reinforcing plate 5 having the tapered upper end 6 and the horizontally disposed shoulder 7. The purpose of this plate 5 will presently appear. Provided in the body of the plate 1 above the upper end of the reinforcing plate 5, is the hook receiving elongated slot 8, and mounted in the reinforcing edges of the end 4 of the holder are the terminals 9 of the spring clamp 10, said clamp being provided with the two coils 11 which give to the bail portion of the clamp a tendency toward the plate 1 the lamp L being held by the bail portion of said clamp engaging the front portion below the spout as at 12 and the base or rim as at 13 is adapted to abut the shoulder 7 and thereby hold the lamp at its base in the position as shown in Fig. 1.

The supporting or depending hook 14 of the lamp has its terminal projected through the elongated slot 8 when the lamp is in the position as shown in Fig. 1, and in order to lock said terminal within said slot and thereby hold the lamp in the proper position, a locking device 16 which is pivoted at 15 upon the rear of the plate 1, is provided. This device consists of a cam plate having a handle 17 and the cam edge 18, which when the parts are in the position as shown in Fig. 3 abuts the under side of the hook 14 and holds it upwardly within the elongated slot 8 and against the upper wall thereof, and when it is desired to release the hook from such position, the handle 17 of the cam lock is moved to the right as viewed in Fig. 3 until the inwardly curved portion 19 is adjacent the hook 14 and slot 8 at which time the lamp may be tilted forwardly and the hook 14 removed from the slot 8, the same action releasing the lower portion of the lamp from the gripping action of the spring clamp 10. If it is still desired, the cam lock may be moved to the position as shown in dotted lines, thus permitting the hook 14

to be readily removed as the full length of the slot 8 is exposed. This, however, is not necessary for as above stated when the portion 19 of the cam is below the hook portion 14, the same may be withdrawn.

From the foregoing description, taken in connection with the drawings, it is evident that by providing a lamp holder as herein set forth, that the lamp is not only gripped and held at the bottom by means of the spring clamp 10 and the shoulder 7, and with the usual hook terminal 14, but is locked in the slot 8 so that the relative position of the lamp to the holder is assured at all times and thereby decreases the possibility of the lamp being accidentally knocked out of the holder or the parts loosening and permitting the same to fall out.

What is claimed is:—

1. The combination with a miner's lamp having a hook support, of a holder for the lamp comprising a plate having oppositely bent terminals, the intermediate portion of the plate being provided with an elongated slot, a spring clamp for engaging the base of the lamp to hold the same toward the intermediate plate of the holder, the hook of the lamp being projected through the elongated slot therein, and a cam lock disposed upon the rear of the intermediate plate for engaging the hook of the lamp while in the elongated slot.

2. The combination with a miner's lamp having a hook support, of a holder for the lamp comprising a plate having oppositely

bent terminals, the intermediate portion of the plate being provided with an elongated slot, a spring clamp for engaging the base of the lamp to hold the same toward the intermediate plate of the holder, the hook of the lamp being projected through the elongated slot therein, a cam plate pivoted upon the rear face of the intermediate plate of the holder, and a handle for operating the same to place it into and out of engagement with the hook of the lamp when in the elongated slot.

3. A lamp holder, having a plate with two oppositely bent terminals, means for connecting one of said terminals to a miner's cap, a spring clamp connected to the other terminal and projecting upwardly therefrom, a projection carried upon the intermediate portion of the plate disposed to coact with said clamp to engage the base of the lamp, the intermediate portion of the plate being provided with an elongated slot there-through for the reception of a lamp hook, and a cam locking plate pivoted upon the inner face of the intermediate portion of the plate for engaging the lamp hook when disposed through said elongated slot for locking the said hook in said slot.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WALKER S. ADAMS.

Witnesses:

R. A. COOLEY,

A. C. HENDERSON.