

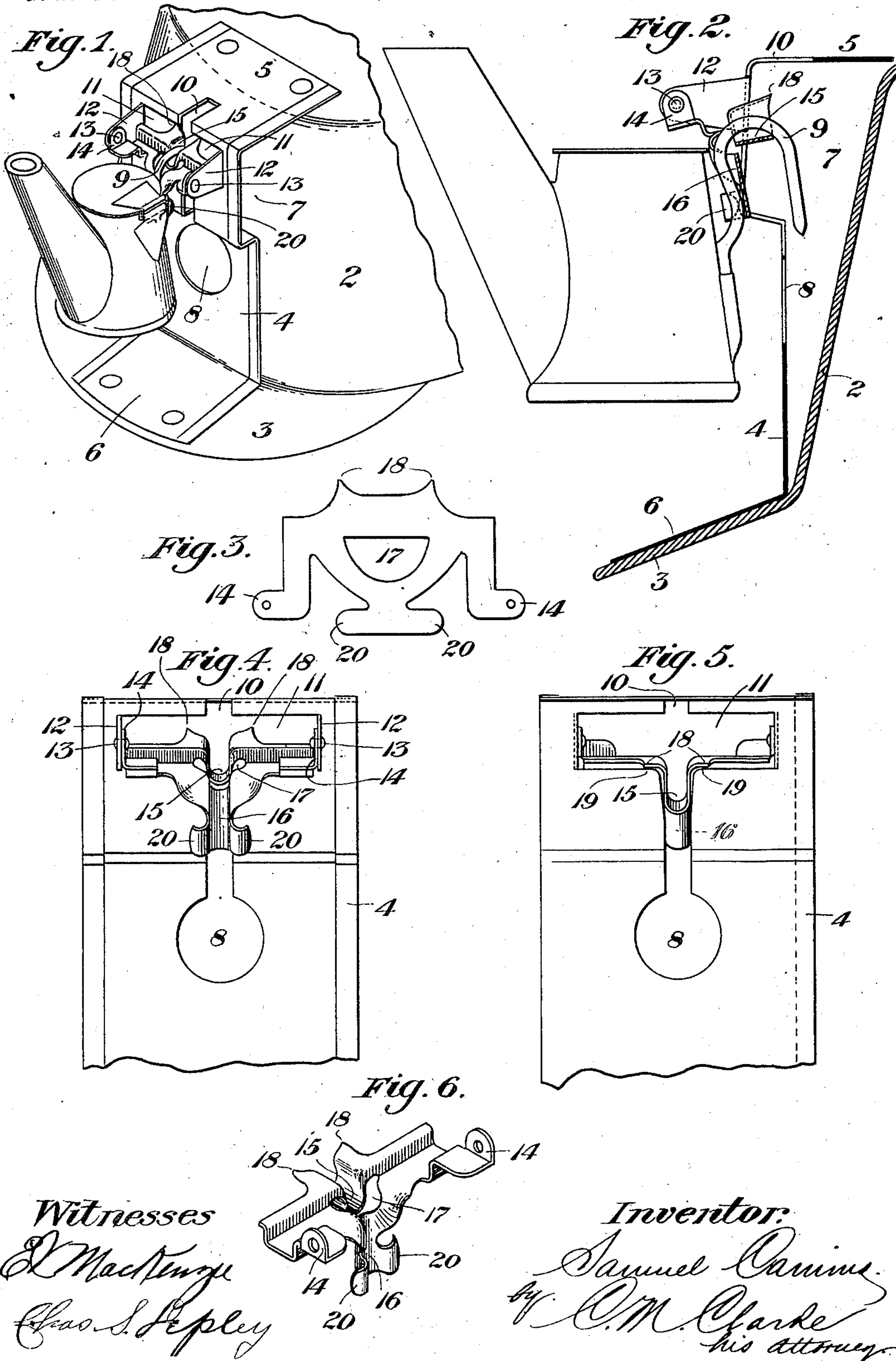
No. 736,685.

PATENTED AUG. 18, 1903.

S. CAMINS.
LAMP SUPPORT.

APPLICATION FILED APR. 24, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMVEL CAMINS, OF PITTSBURG, PENNSYLVANIA.

LAMP-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 736,685, dated August 18, 1903.

Application filed April 24, 1903. Serial No. 154,060. (No model.)

To all whom it may concern:

Be it known that I, SAMVEL CAMINS, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Lamp-Supports, of which the following is a specification, reference being had therein to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a portion of a miner's cap provided with my improved lamp-support, showing a lamp in position. Fig. 2 is a vertical cross-sectional view of the device, showing the lamp suspended thereby. Fig. 3 is a plan view of the blank used in forming the pivoted lamp-carrier. Fig. 4 is a front view in elevation of the device. Fig. 5 is a similar view from the back. Fig. 6 is a perspective detail view of the pivoted carrier detached.

My invention relates to improvements in devices for supporting a miner's lamp upon the forward portion of cap or hat; and it has for its objects to provide a simple efficient device which will positively engage and support the hook of the lamp, preventing it from swinging laterally, while permitting a limited forward and back tilting or swinging movement, whereby the lamp is always suspended in a practically vertical position independent of the changes in position of the cap on the head of the wearer.

One of the objects of the invention has been to provide a carrying or supporting device which may be mounted upon a suitable bracket or base attached to the cap and which will always maintain and hold the lamp sufficiently far in front of the head, so as to prevent heating or close proximity thereto.

Referring now to the drawings, 2 represents the body portion of the cap, provided with the usual vizor 3.

4 is a base-piece of any stiff light material, as sheet metal, provided with an upper backwardly-extending portion 5, adapted to be secured to the top of the cap by riveting or otherwise, and a lower forwardly-extending portion 6, adapted to be similarly held to the vizor, by which attachment the base 4 is supported outwardly from the front portion of the cap, so as to leave an intervening space 7 for cir-

ulation of air. The base is also preferably provided with one or more openings 8 for the same purpose. In the normal position of the device the base is approximately vertical.

For the purpose of holding the lamp, which is ordinarily provided with a hook 9, I have provided a pivoted carrying-bracket formed of one piece of sheet metal, the blank of which is shown in Fig. 3. The front upper portion of the base 4 is provided with a vertical slot 10 for inserting and for clearance of the lamp-stem, the front of the base also being cut out, as at 11, to provide clearance for the pivoted carrier. At each side of said opening, projecting forwardly from the base and preferably formed integral therewith, are lugs or brackets 12, to which at 13 are pivotally secured the upwardly-extending supporting-lugs 14 of the carrier. The carrier is pressed by suitable dies, so as to provide top and front supporting and receiving grooves 15 16 for the stem of the lamp, as clearly shown in Fig. 2, and for the purpose of more easily bending and forming these receiving-grooves the blank is cut out, as at 17, thereby permitting of the bending of the metal, as clearly shown in Fig. 6. At the back portion the blank is provided with projecting spurs 18, which in the finished device project backwardly and laterally on each side of groove 15, which projections will come into contact with the lower edge 19 of the blank 4 at the lower side of the opening 11, as clearly shown in Fig. 5, thus preventing excessive downward movement of the carrier when the head is tipped downwardly and forwardly, causing the lamp to swing out. At the lower extremity of the carrier, on each side of the vertical groove 16, are the laterally-projecting lugs 20, which in a similar manner strike against the front of the base 4 when the head is tipped upwardly and backwardly, thereby limiting the backward travel of the lamp, as indicated in Fig. 4 and as will be readily understood. As thus constructed the pivoted carrier is very stiff and rigid. It provides a positive receiving slot or socket for the hook of the lamp, in which it is grasped and held in such a manner that any movement of the lamp independent of the pivoted carrier is absolutely prevented. The pivoting of the carrier in the manner shown and described permits of sufficient

movement to always practically maintain the lamp in a pendent position, so as to prevent spilling of the oil, while the pivoted support is located at such a distance in front of the head of the wearer as to prevent any discomfort or undue heat when worn.

While the particular pivoted supporting device and the blank from which it is formed have given good results in practice, it is obvious that similar results might be secured by varying the form or construction of the blank or by making it in any different manner. I do not, therefore, desire to be limited to the exact shape or construction or to the various details shown and described, since these features are capable of being varied or changed by the skilled mechanic, and I desire that all such changes shall be considered as within the scope of the following claims.

What I claim is—

1. In a lamp-holder, the combination with a base adapted to be secured to the cap, of a lamp-carrier consisting of a sheet-metal pressed blank having depressed grooves, and pivotally mounted to said base, substantially as set forth.

2. In a lamp-holder, the combination with a base having clearance-openings for the carrier and adapted to be secured to the cap, of a lamp-carrier consisting of a sheet-metal pressed blank having depressed grooves, and pivotally mounted to said base, substantially as set forth.

3. In a lamp-holder, the combination with a base provided with supporting-lugs, of a lamp-carrier formed of a pressed sheet-metal blank having depressed receiving-grooves for the stem of the lamp and pivotally supported by said lugs, substantially as set forth.

4. In a lamp-holder, the combination with a base provided with clearance-openings and

forwardly-extending lugs, of a lamp-carrier pivotally secured thereto, provided with receiving-grooves for the stem of the lamp, substantially as set forth.

5. In a lamp-holder, the combination with a base provided with forwardly-extending lugs, of a lamp-carrier formed of a pressed sheet-metal blank provided with receiving-grooves for the stem of the lamp, pivotally supported in said lugs, and having portions adapted to make contact with the base so as to limit excessive swinging movement of the carrier, substantially as set forth.

6. In a lamp-holder, the combination with a base provided with forwardly-extending lugs, of a lamp-carrier pivotally secured thereto, provided with receiving-grooves for the stem of the lamp, with backwardly-extending arresting projections, substantially as set forth.

7. In a lamp-holder, the combination with a base provided with forwardly-extending lugs, of a lamp-carrier pivotally secured thereto, provided with receiving-grooves for the stem of the lamp, with upper backwardly-extending and lower laterally-extending arresting projections, substantially as set forth.

8. In a lamp-holder, the combination with a base provided with forwardly-extending lugs, of a lamp-carrier consisting of a blank of sheet metal pressed into a form adapted to receive and hold the hook of the lamp, having receiving-grooves, pivoting-lugs, and upper and lower limiting projections, substantially as set forth.

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

SAMVEL CAMINS.

Witnesses:

C. M. CLARKE,
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