

(No Model.)

C. L. ANTON.
MINER'S LAMP.

No. 538,031.

Patented Apr. 23, 1895.

Fig. 1.

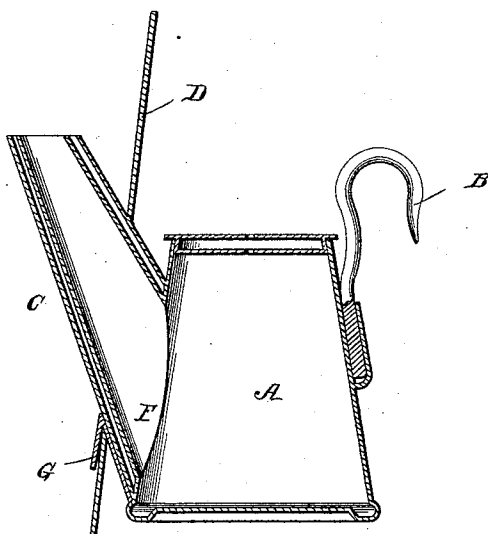
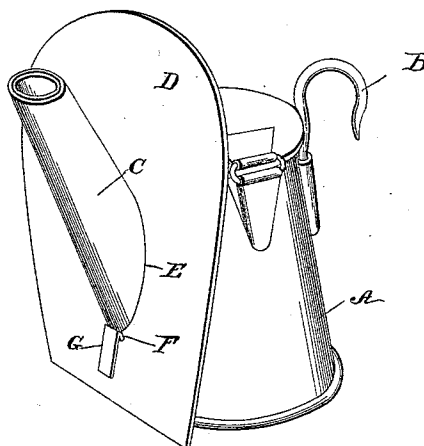


Fig. 2.

Attest.
D. P. Moore.
May E. Moore.

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UNITED STATES PATENT OFFICE

CHRISTOPHER L. ANTON, OF MONONGAHELA CITY, PENNSYLVANIA.

MINER'S LAMP.

SPECIFICATION forming part of Letters Patent No. 538,031, dated April 23, 1895.

Application filed October 25, 1894. Serial No. 526,903. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER L. ANTON, a citizen of the United States, residing at Monongahela City, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Miners' Lamps; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in miners' and drivers' lamps, and refers specially to a shield or guard for the lamp, and the object of my invention is the provision of a simple, cheap and practical device to be attached to the spout of the lamp, thus preventing the flame coming in contact with the body of the lamp, and preventing it from becoming heated and falling apart, which is often the case causing the loss of life and destruction of property; also to form a perfect guard or shield and prevent the flame from heating and burning the head of the miner or driver, and also to prevent the flame from being extinguished when in a strong draft of air.

The invention consists in the combination with a miner's or driver's lamp and of a shield or guard of novel and peculiar construction, as will appear from the following description.

In order that the construction of my shield or guard may be readily understood, as well as its advantages be appreciated, I have illustrated in the accompanying drawings a lamp provided with my guard or shield.

Figure 1 represents a perspective view of the lamp having the guard. Fig. 2 represents a vertical central view thereof.

In the drawings A designates the lamp, having the attaching tongue B, and provided with

wick tube or spout C, all of well known construction.

My improved guard or shield D is a flat metal plate having an oval shape, and provided with the spout receiving opening E, and at the lower edge of said opening is made a kerf or notch F, which receives the locking or fastening tongue G, which is rigidly attached to the spout. This shield not being held on with solder cannot melt off by the flame striking it.

In attaching the shield to the spout I may place the same upon the spout, then pass the tongue into the notch of the shield and then solder the tongue to the spout and thus rigidly attach the shield in position, or I may place the shield over the spout and bend the tongue previously secured to the spout, down to engage the notch and secure the shield, as will be readily understood.

From this construction it will be seen that I provide a simple and inexpensive device which will form a perfect shield or guard and which will prevent the light from being extinguished when in a strong draft of air; also which will prevent the flame from heating or burning the head of the miner or driver, and which is entirely practical.

I claim—

In a miner's lamp, the combination of the lamp body, the spout extending upward therefrom and having the tongue or fastener, and the flat guard or shield fitting over the spout and having a notch to receive the tongue, whereby the guard is firmly secured in place between the flame and body of the lamp, substantially as and for the purpose described.

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

CHRISTOPHER L. ANTON.

Witnesses:

R. L. TIDBALL,
OLIVER S. SCOTT.