

(No Model.)

J. L. MORRIS.

MINER'S LAMP.

No. 373,244.

Patented Nov. 15, 1887.

Fig: 1.

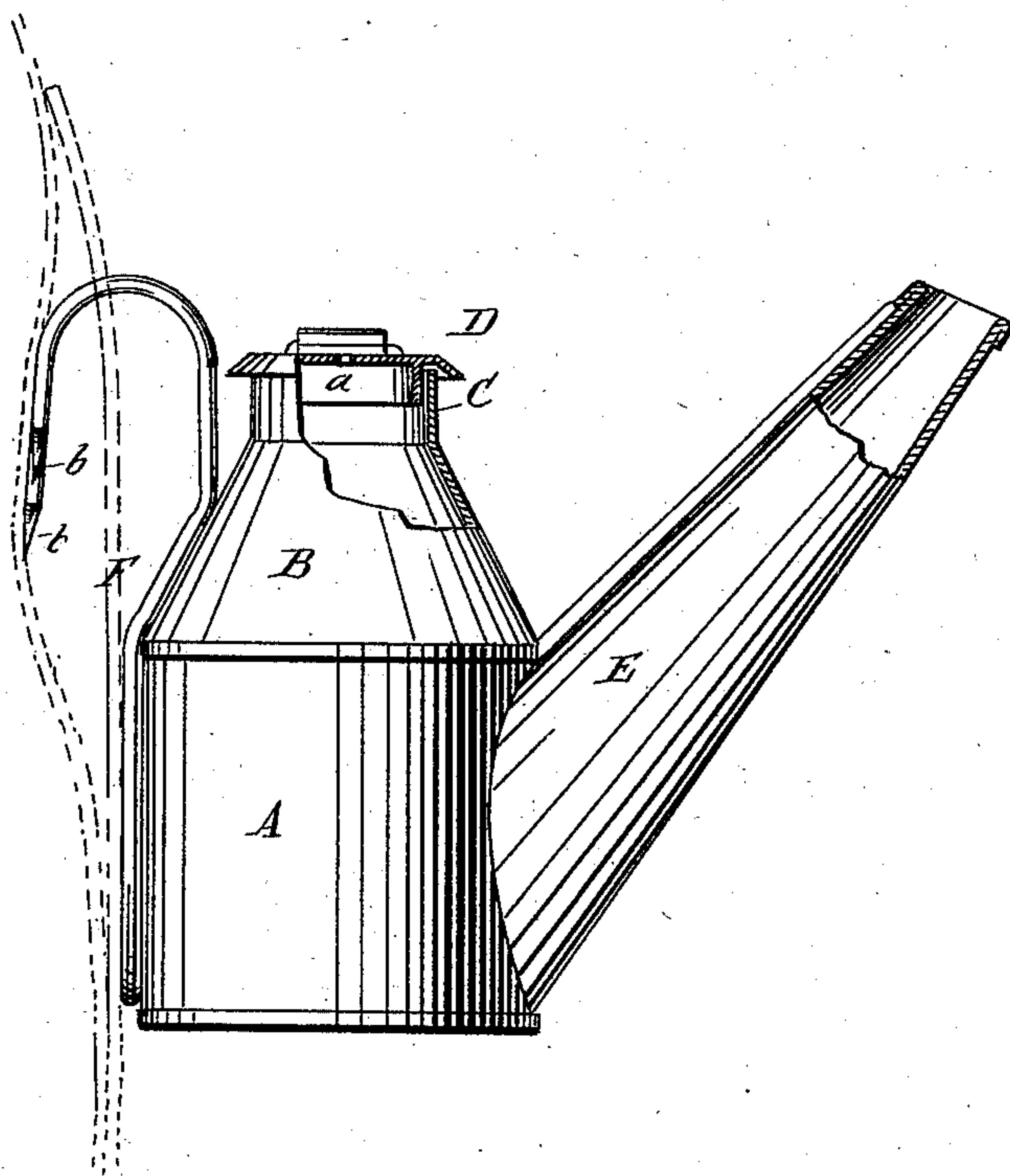
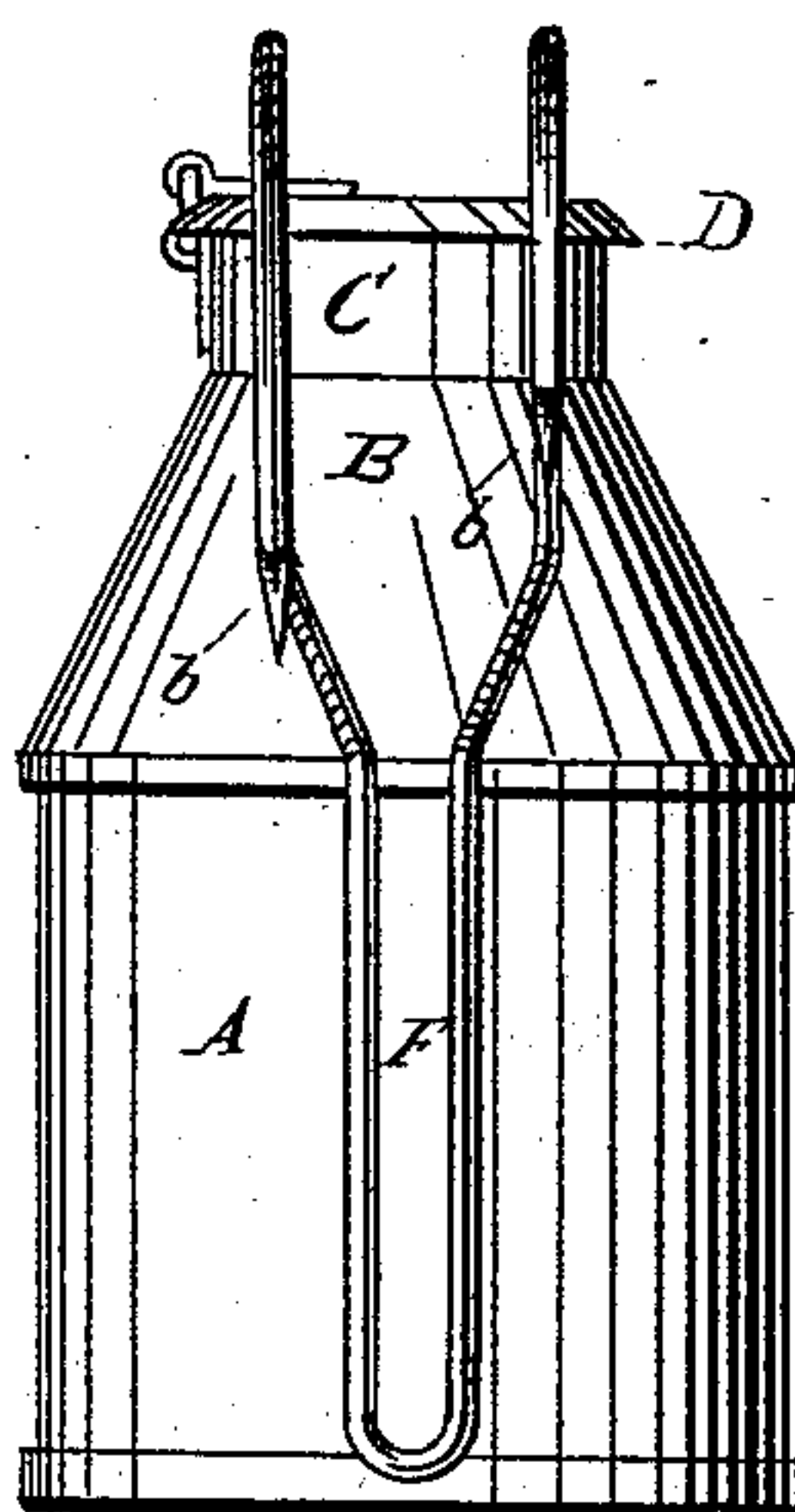


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN L. MORRIS, OF MIDDLEPORT, PENNSYLVANIA.

MINER'S LAMP.

SPECIFICATION forming part of Letters Patent No. 373,244, dated November 15, 1887.

Application filed July 19, 1886. Serial No. 208,420. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. MORRIS, of Middleport, in the county of Schuylkill and State of Pennsylvania, have invented a new and Improved Miner's Lamp, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation, partly in section, of my improved lamp. Fig. 2 is a rear view.

Similar letters of reference indicate corresponding parts in both figures of the drawings.

In miners' lamps as now constructed the one hook employed fails to steady the lamp on the hat, but allows it to swing sidewise, bringing the blaze close to the hat, and when the miner is walking the blaze is fanned against the hat, setting fire to the same. With one hook, also, the lamp, instead of hanging in a level position, is allowed to tilt or lean forward, so that the outer end of the wick-tube is below the level of the oil in the lamp. The oil therefore burns much more rapidly than when fed to the blaze only by the capillary action of the wick, and unless the latter is very tight in the wick-tube the oil will flow out and down the miner's face.

To steady the lamp in its position on the hat I provide the lamp A with two hooks, preferably formed of a single piece of wire, F, doubled or returned upon itself, and offset to fit it to the conical top B of the lamp-body. The upper extremities of the wire are curved

over in the same direction away from the body of the lamp and bent downward parallel with the axis of the same, and provided with points *b* for entering the miner's hat. To facilitate the insertion of the lamp in the hat I form one point *b* longer than the other, so that by inserting the longer one in its socket in the hat the shorter one will be guided to place. Attaching the lamp to the hat is therefore much easier with the points *b* of different lengths than if they were of the same length.

The upper extremity of the conical top B is formed with a collar, C, to which is fitted the rim *a* of the hinged cover D. The rim *a* is fitted tightly to the collar C, and the center of the cover D is apertured to admit air to the lamp.

To one side of the lamp-body A is attached a tapering inclined wick-tube, E, which extends above the top of the lamp-body.

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

The combination, with the lamp, of the double hook formed of a doubled or looped wire having its ends bent over into outwardly-projecting beaks or points, one of which is longer than the other, substantially as and for the purpose set forth.

JOHN L. MORRIS.

Witnesses:

REES P. DANIELS,

EDWARD T. BRADBURY.