

(Model.)

C. A. LEE.
MINER'S LAMP.

No. 284,865.

Patented Sept. 11, 1883.

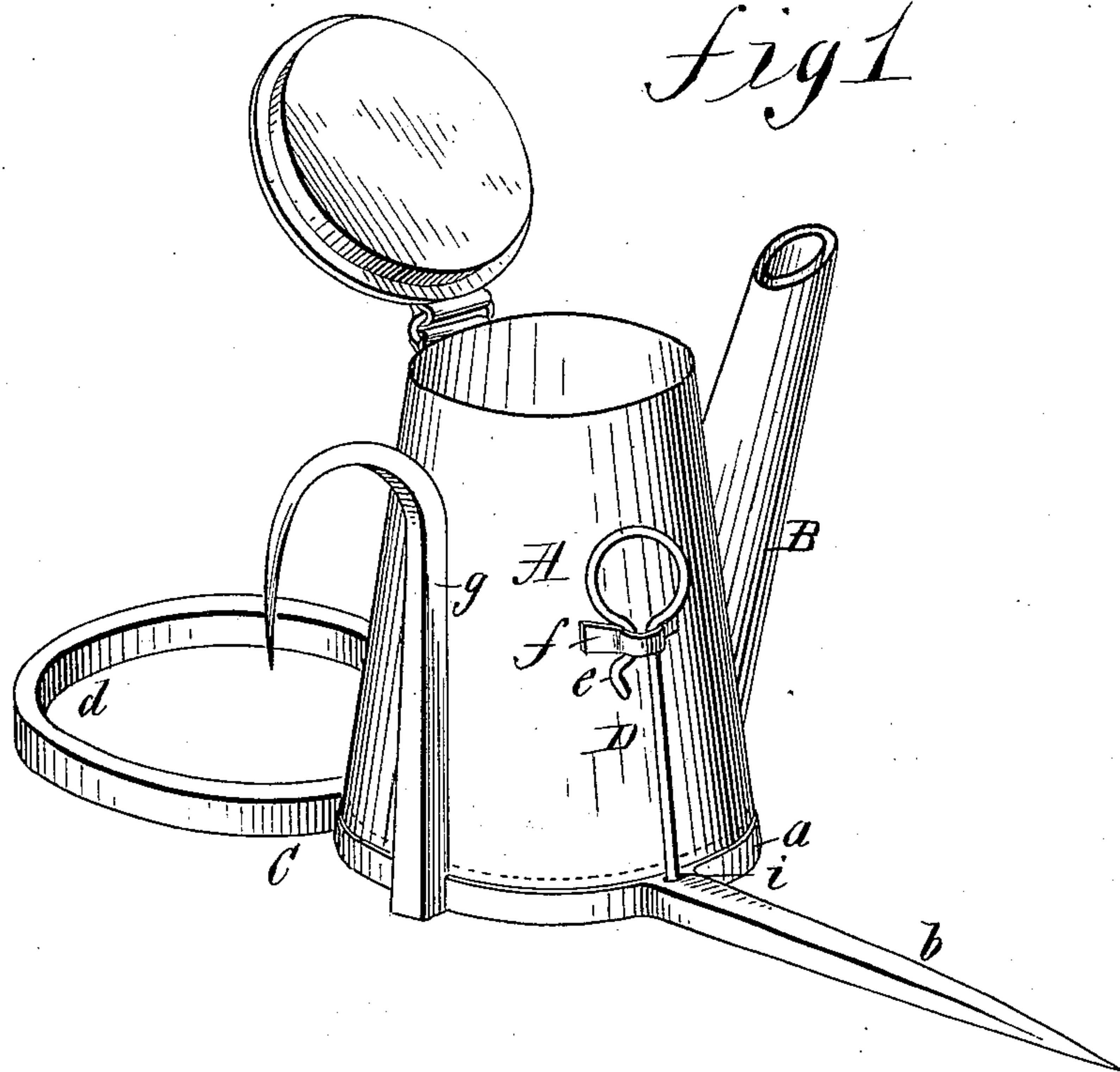
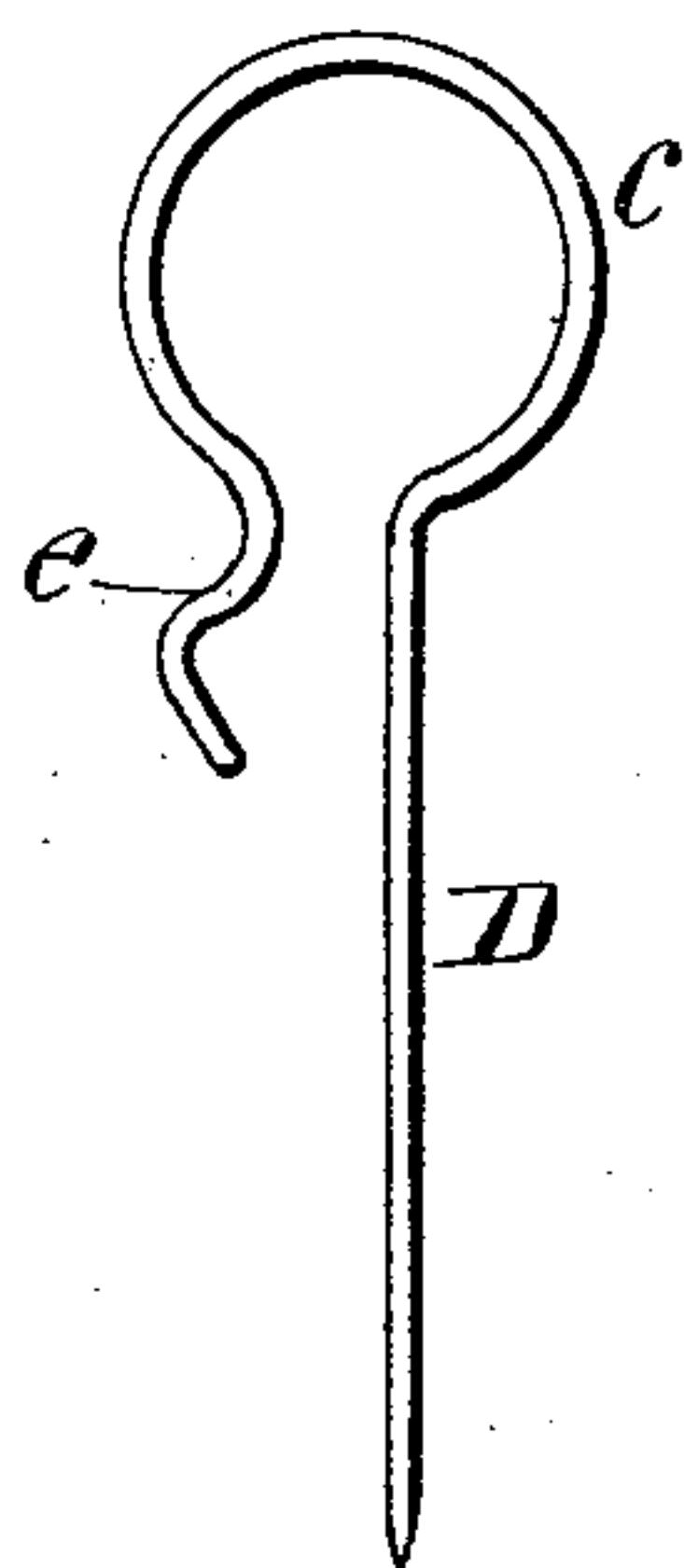


fig 2



WITNESSES:
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UNITED STATES PATENT OFFICE.

CHARLES A. LEE, OF ARLINGTON, TEXAS.

MINER'S LAMP.

SPECIFICATION forming part of Letters Patent No. 284,865, dated September 11, 1883.

Application filed February 14, 1883. (Model.)

To all whom it may concern:

Be it known that I, CHARLES A. LEE, of Arlington, in the county of Tarrant and State of Texas, have invented a new and useful Improvement in Miners' Lamps, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in miners' lamps, whereby the lamp may be attached to any wooden structure in the mine, to any crevice in the rock, or to the earthen wall of the mine, and when set upon any ledge or flat surface prevented from tipping over, and when attached to the hat or other garment of the miner kept from swinging or turning out of proper position; also, to providing the lamp with a rod for adjusting the wick of the lamp for regulating the flame of the lamp, all as hereinafter fully set forth.

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

Figure 1 is a perspective view of my new and improved miner's lamp, showing the wick adjusted in place upon the lamp; and Fig. 2 is a front view of the wick-adjuster removed from the lamp.

The body A and wick-tube B of the lamp are of ordinary construction, except that the bottom of the body A is formed so as to fit in the ring *a* of the attachment C, and is provided with the loop *f*, in which the wick-adjuster D is adapted to be placed. The attachment C, besides being formed with the ring *a*, in which the body A of the lamp is secured, is formed with the steel point *b* and handle *d*, and has the hook *g* secured to the ring part *a*, by which hook the lamp may be attached to the miner's hat or other garment or hung upon any small projection of the wall of the mine or any timbers therein. The wick-adjuster D is made of spring-metal wire, and is formed with the ring *c* and detent *e*, by which latter it may be held securely in the loop *f* on the lamp-body. The hole *i* is made through the steel point *b* near the ring *a*, through which the lower end or point of the wick-adjuster is adapted to pass when the adjuster is attached to the lamp, as

clearly shown in Fig. 1. The point *b* of the attachment C is made very sharp, so that it may be easily stuck into any wooden structure in the mine, or any crevice or penetrable earth of the wall or other part of the mine, the handle *d* serving as a means for inserting and withdrawing the point. This handle part *d* of the attachment C also serves as a convenient means for handling the lamp generally, and in connection with the point *b* to furnish a broad base for the lamp, so that the lamp cannot be easily upset when placed upon a horizontal support; and together with the point *b* it also serves to prevent the lamp, when held by the hook *g* upon the hat or other garment of the miner, or upon any projecting ledge or timber in the mine, from swinging around in either direction. The wick-adjuster D may be easily removed from the loop *f* for use, and as easily put back to place, and when in place is securely held in the loop and orifice *i*, so that it will always be at hand when needed for raising or otherwise adjusting the wick in the wick-tube B. Constructed in this manner, the lamp is very complete and convenient, and adapted to be held or supported securely in any position the miner may desire.

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

1. The attachment C for miners' lamps, consisting of the ring *a*, adapted to receive and to be secured to the bottom of a lamp-body, the point *b*, the handle *d*, and hook *g*, all rigidly secured together, the point and handle being on directly-opposite sides of the ring and the hook on one side of the same midway between the point and handle, substantially as herein shown and described.

2. In a miner's lamp, the combination, with the body A, provided with the loop *f*, of the attachment C, provided with the ring *a*, the point *b*, and aperture *i*, and the wick-adjuster D, substantially as herein shown and described.

CHARLES A. LEE.

Witnesses:

J. B. CAMPBELL,
L. E. BRANNIN.