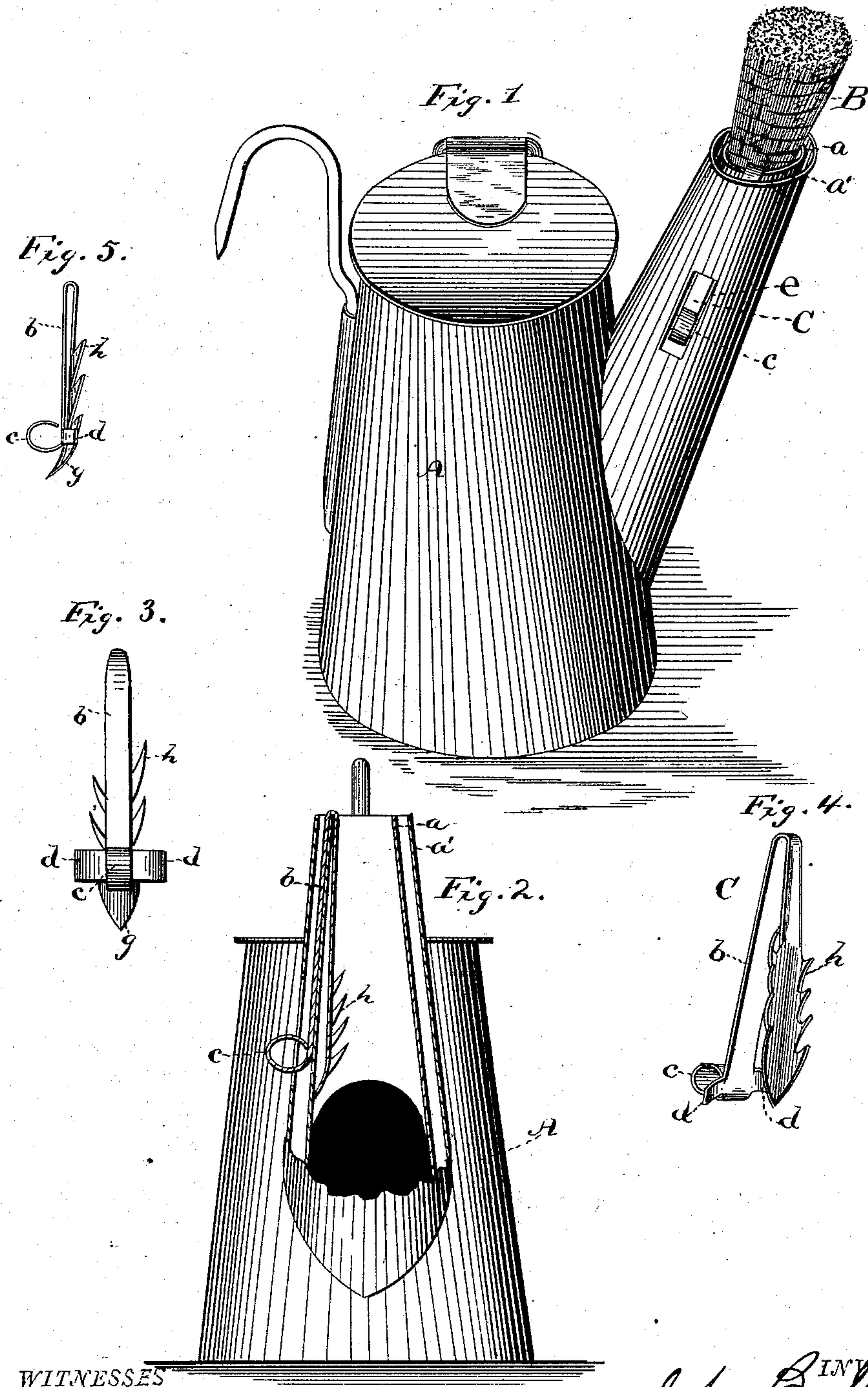


(Model.)

J. B. DEEDS.
WICK RAISER FOR LAMPS.

No. 282,282.

Patented July 31, 1883.



WITNESSES
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JOHN B. DEEDS, OF TERRE HAUTE, INDIANA, ASSIGNOR OF ONE-HALF TO
WILLIAM MACK, OF SAME PLACE.

WICK-RAISER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 282,282, dated July 31, 1883.

Application filed June 2, 1883. (Model.)

To all whom it may concern:

Be it known that I, JOHN B. DEEDS, of Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful
5 Improvements in Wick-Raisers for Lamps; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same,
10 reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My improvements relate to that class of inventions known as "wick-raisers," for lamps,
15 torches, and such like apparatus, having for its object to facilitate the raising of the wick evenly from without in such manner as will be hereinafter described; and to this end my invention consists in the construction and particular form of the wick-raiser, as will be more particularly described hereinafter, and pointed out in the claims.

Referring to the drawings hereunto annexed, Figure 1 represents a perspective view of a
25 miner's lamp of the construction necessary for the operation of my improved lifter, and in which it is embodied. Fig. 2 is a front elevation of the lamp, showing the double neck or tube and the wick-raiser in section. Fig. 3 is a front view of the lifter proper. Fig. 4 is a
30 perspective view thereof with the two ends bent outward to more completely illustrate its construction; and Fig. 5 is a side view, showing the two ends as being against each other, which, by the spring-like nature it is designed
35 to have, is for a purpose to be described.

Reference being had to the letters marked thereon, A is a lamp, having neck or spout *a* and inner spout, *a'*. B is the wick, and C the
40 wick raiser or lifter.

The lifter is made of spring-brass, preferably; but any material of sufficiently spring-like nature may be employed in its manufacture. This device is formed of one piece,
45 which is stamped out, and is then bent in the manner shown in Fig. 5. Its form consists of a straight portion, *b*, bent at the end into a loop, *c*, for its manipulation; also, at this end it is shaped with flaring lugs or ears *d*, which lugs are bent or
50 turned inwardly, as shown, so that when the

device is being moved up between the spouts wherein it works these ears embrace the inner spout and prevent the end from being pulled out of the elongated slot *e* in the outer spout, and through which projects the loop. 55 The other end of the lifter is formed pointed, which point is bent back, as at *g*, Fig. 5. This portion is provided on its side edges with upwardly and outwardly projecting teeth *h* for engaging the wick, and is concave between 60 said side edges, as shown, so as to embrace the wick when it is engaged and leave as small a space between as possible.

At the top of the device, where it is doubled, it is somewhat narrower than elsewhere, which 65 allows the wick to bulge out around it when in use and to more completely fill up the mouth of the tube.

This invention is an improvement upon my patent for a similar device dated March 27, 70 1883, No. 274,731, and in which I show and claim a wick-raiser having a hollow portion, whereby a vent for the lamp is provided. In my present case I do away with the vent and construct it as above described. 75

The operation is as follows: The lifter is placed therein with its straight portion working between the inner and outer spouts, and the loop *c* projecting through the elongated guide-slot *e*, while the concave serrated portion extends over the top of the inner spout and down 80 into it, and, as will be observed, the pointed end *g*, which is sprung back, as shown, causes the device to fit somewhat tightly the sides of the inner spout. When the wick is to be 85 raised, by simply taking hold of the loop and pushing it upward in the guide-slot, it can be elevated to any desired height.

Having thus described my invention, what I claim is— 90

1. In lamps and lanterns, the wick-raiser herein described, formed of one piece and bent at about its middle portion, one end terminating in the loop and having the lateral bent lugs, and the other end having the upwardly 95 and outwardly projecting teeth on its side edges, and made concave between said edges, and terminating in the backwardly-curved point, substantially as set forth.

2. In miners' lamps and the like, the com- 100

bination herein described of the lamp, having
inner and outer tube, said outer tube provided
with an elongated slot, with the wick-raiser
therein, having the lateral lugs *d* and the back-
5 wardly-curved point *g*, said lugs and point
adapted for the purposes substantially as here-
in set forth.

In testimony that I claim the foregoing as
my own I affix my signature in presence of two
witnesses.

JOHN B. DEEDS.

Witnesses:

B. F. MORSELL,
EDWARD E. ELLIS.