

F. L. CAMM.
LAMP LIGHTING DEVICE.

No. 174,411.

Patented March 7, 1876.

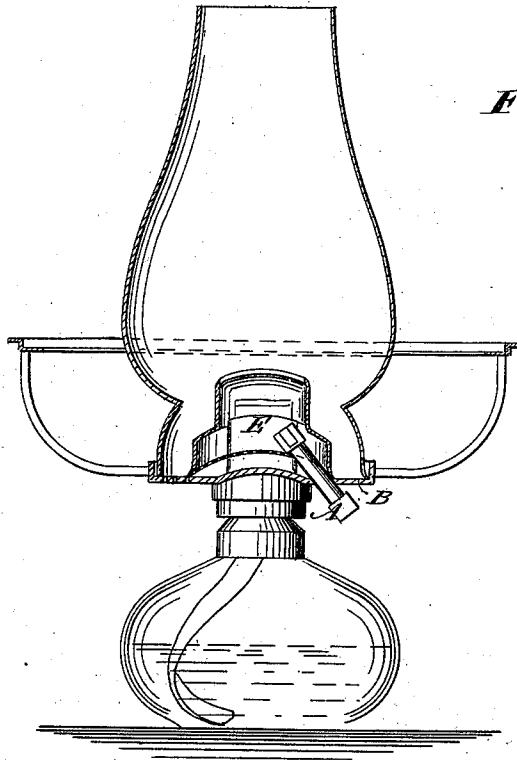
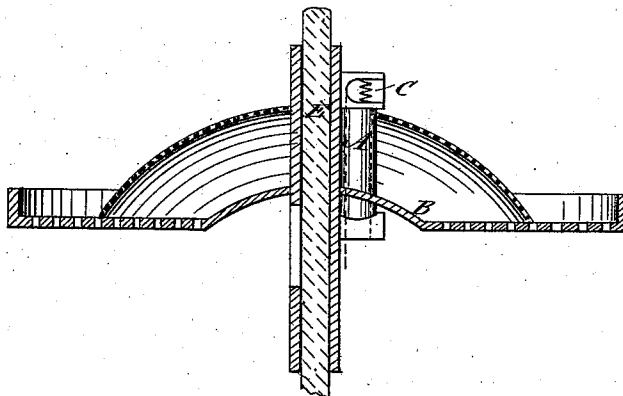


Fig. 1

Fig. 2



WITNESSES:

E. A. Stevens
John Goethals

INVENTOR:

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BY

Wm. H. Le
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UNITED STATES PATENT OFFICE.

FRANK L. CAMM, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN LAMP-LIGHTING DEVICES.

Specification forming part of Letters Patent No. 174,411, dated March 7, 1876; application filed February 5, 1876.

To all whom it may concern:

Be it known that I, FRANK L. CAMM, of Brooklyn, Kings county, New York, have invented a new and Improved Lamp-Lighter, of which the following is a specification:

My invention consists of a tube fitted in the burner, so as to direct the match up to the wick when inserted from the bottom of the burner, and provided at the upper end with teeth, across which the tip of the match is forced, so as to be fired by them, the top being in such proximity to the wick when so fired as to ignite it.

Figure 1 is a sectional elevation of a lamp with my improved lighting attachment, and Fig. 2 is a section taken at right angles to that of Fig. 1.

A is the tube through which the match is inserted from below the bottom B of the lamp, the tube being fastened in the bottom and to the wick-tube, and also being arranged at such inclination to the tube E that the top of

the match will emerge from the top in close proximity to the wick, and at the end from which the tip so emerges the tube is provided with fine steel points C, against which the tip is so crowded by the side of the tube that it is fired thereby to light the wick.

I am aware that a match has been heretofore lighted, as it approaches the wick, by passing it between a spring and a roughened plate; but the spring is easily broken, will prevent withdrawal of match where it fails to light, and often causes it to ignite too soon.

What I claim is—

The tube C, provided with small teeth on the inside and at the upper end, the same being arranged with respect to the burner, as and for the purpose specified.

FRANK L. CAMM.

Witnesses:

T. B. MOSHER,

ALEX. F. ROBERTS.