

J. J. & W. M. WALTON.
Pocket-Lanterns.

No. 147,204.

Patented Feb. 3, 1874.

Fig. 1.

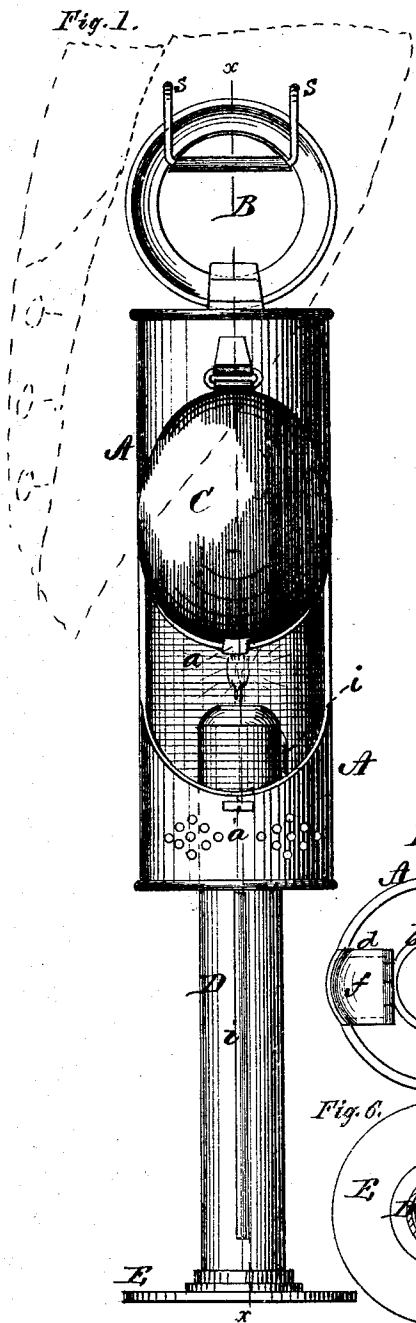


Fig. 2.

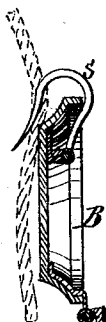


Fig. 4.

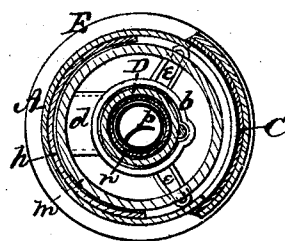


Fig. 5.

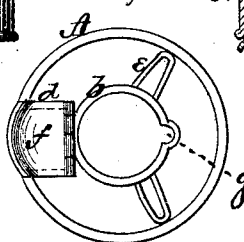


Fig. 6.

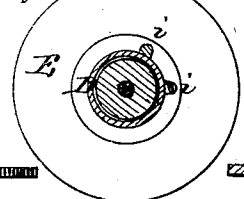
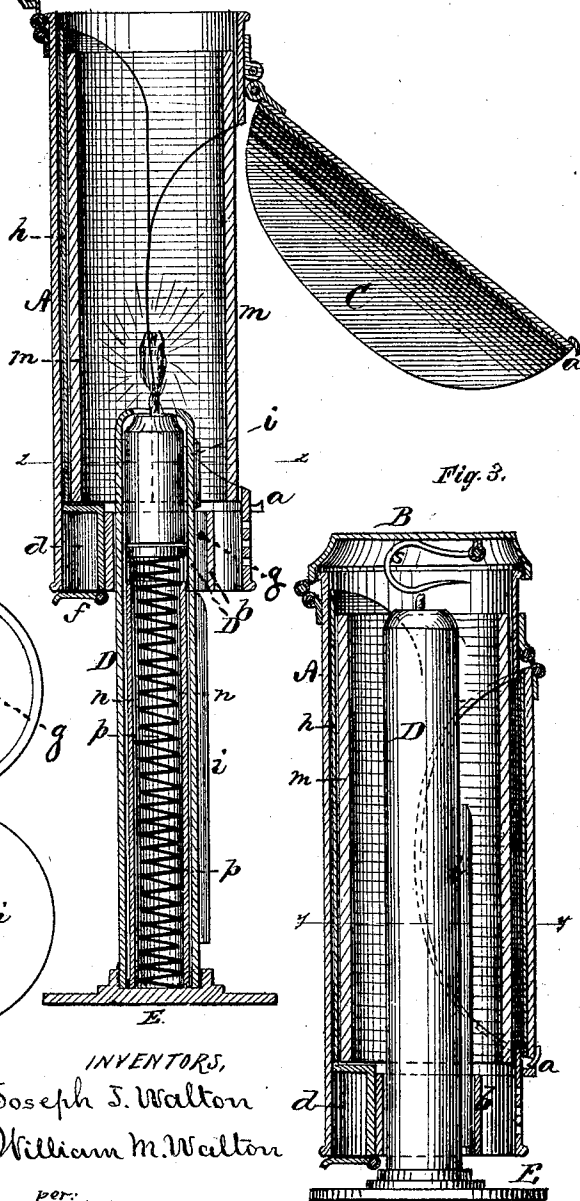


Fig. 3.



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IMPROVEMENT IN POCKET-LANTERNS.

Specification forming part of Letters Patent No. **147,204**, dated February 3, 1874; application filed December 24, 1873.

To all whom it may concern:

Be it known that we, JOSEPH J. WALTON and WILLIAM M. WALTON, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Safety Pocket-Candlestick; and we do hereby declare that the following is a full, clear, and exact description thereof, that 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.

Our invention relates to that class of pocket-lanterns where a cylindrical case is used, having a cap with means of suspension, and reflectors and movable candlestick; and it consists in the combination of the cylinder and other parts, by which the light is automatically kept in a fixed position when in use, and in the peculiar device for inserting, holding, and removing the candlestick.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of our candlestick when extended and in position for use. Fig. 2 is a longitudinal section of the same through the line *x x*, Fig. 1. Fig. 3 is a similar section, showing the candlestick contracted to be carried in the pocket. Fig. 4 is a horizontal section through the line *y y*, Fig. 3. Fig. 5 is a bottom view of the exterior cylinder; and Fig. 6 is a section of the interior candle-tube through the line *z z*, Fig. 2.

A represents a cylinder of any suitable dimensions, provided, at its upper end, with a hinged cap, B. The front of the cylinder A is cut out, forming an oval opening, which is closed by a lid or door, C, hinged at its upper end, and fastened at the lower end by any suitable catch, *a a*. Within the lower end of the cylinder A is a short central tube, *b*, connected to the inside cylinder by suitable arms *e e*. On one side of the tube *b*, between it and the cylinder A, is formed a box, *d*, with hinged lid *f* at its lower end, forming a suitable receptacle

for matches. Around the back, on the inside of the cylinder A, is a reflector, *h*, and the inside of the door C is plated or burnished in any suitable manner to form another reflector. *m* is a glass or mica chimney fitting inside of the cylinder A, and resting upon the arms *e e* and match-safe *d*, the back reflector *h* being located between said chimney and the cylinder, as shown particularly in Figs. 2 and 3. D represents the main candle-tube, having an inward-projecting flange around its upper end to prevent the candle from being forced out of the same. Within the tube D is a smaller tube, *n*, containing a spiral spring, *p*, to hold the upper end of the candle always against the upper-end flange. The tube *n* is permanently attached to a disk or foot-piece, E, which screws upon the lower end of the main candle-tube D. The tube D is, on the outside, provided with ribs *i i*, to pass through a corresponding groove, *g*, in the inside of the tube *b*, and form stops against the edge of said tube to hold the candle-tube D in place when extended, as shown in Fig. 2. On the inside of the cap B are hinged two hooks, *s s*, which, when the cap is opened, can be thrown out, so as to be attached to the lapel of the coat when it is desired to use the candlestick. The door C is then thrown out at a suitable angle, so as to reflect the light downward, or in any direction desired.

The candlestick thus constructed can, when not in use, be closed up and carried in the pocket, taking up but little room. When desired for use, it is easily extended and attached, by its hooks *s s*, to any part of the clothing, or to any other convenient place. It is especially of service in traveling in railroad-cars or steamboats, or in other public conveyances, where but little light is furnished. It can also be used as a dark-lantern by closing the door C and opening the cap B only sufficient for the necessary draft.

The lid C is held at any angle desired by constructing its hinge in such a manner that the friction will hold it, or by any other suitable means.

We are aware that a candle-tube, with an interior tube and spiral spring to force the

candle upward, and a candlestick having a cover provided with hooks and reflectors, and a light to be moved up as it burns by the person using it, are not new, and we do, therefore, not claim such as being broadly our invention; but

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The cylinder A, tube *b*, having groove *g*, and arms *e e*, in combination with the candle-tube

D, having ribs *i i*, central tube *n*, and spring *p*, substantially as and for the purpose set forth.

In testimony that we claim the foregoing we have hereunto set our hands.

JOSEPH J. WALTON.
WILLIAM M. WALTON.

Witnesses:

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