

WALTERS & WILSON.

Lamp Lighter's Torch.

No. 55,183.

Patented May 29, 1866.

FIG. 1.

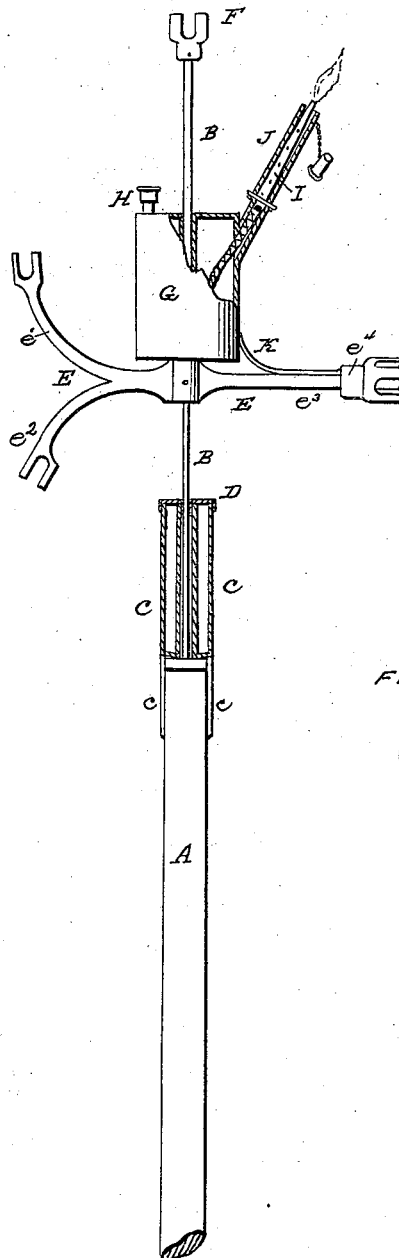


FIG. 2.



WITNESSES:

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C. D. WALTERS AND JOHN WILSON, OF HARRISBURG, PENNSYLVANIA.

IMPROVEMENT IN LAMP-LIGHTERS' TORCHES.

Specification forming part of Letters Patent No. 55,183, dated May 29, 1866.

To all whom it may concern:

Be it known that we, C. D. WALTERS and JOHN WILSON, of Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented a new and useful Improvement in Lamp-Lighters' Torches; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of our improved torch, partly in section. Fig. 2 is a face view of one of the wrenches shown in side view in Fig. 1.

Similar letters of reference indicate like parts.

Our invention has for its object to furnish a convenient apparatus for lamp-lighters' use—that is to say, an instrument for carrying the matches, opening and closing the cocks, and lighting the gas; and it consists of a lamp-lighter's torch formed by combining a lamp, a system of wrenches, and a match-box with each other and with a handle, as hereinafter more fully described.

A is the handle, which may be made of any desired length; or it may be made with an extension attachment for convenience when the burners are at a height from the floor. The upper part of the handle terminates in a rod, B, to which the various parts of the apparatus are attached.

C is the match-box, which is made in the form of two tubes connected together at their lower ends by a bottom, the box being the space between the tubes, as seen in Fig. 1. The rod B passes through the inner tube and the box is secured to the handle A by straps *e*, attached to the sides of said handle.

The cover D has a hole through its center for the passage of the rod B, and is formed by attaching two short tubes to the top of the cover. The inner one of these short tubes fits into the inner tube of the match-box, while the outer one fits over the outer tube of said box, as shown in Fig. 1. By this construction the matches are guarded against becoming wet when the apparatus is exposed to the rain.

To the rod B, at a suitable distance above

the box C, is attached a wrench, E, one end of which is divided into branches *e'* and *e''*. These branches are bent or curved, the one up and the other down, and they each terminate in a simple wrench, as shown in Fig. 1. The other end, *e'''*, terminates in a head, *e⁴*, which is formed into a double wrench by cutting grooves at right angles to each into its face, as shown in Figs. 1 and 2.

Upon the extreme upper end of the rod B is placed a wrench-head, F, exactly similar in form to the head *e⁴*.

Upon the rod B, directly above the wrench E, is placed the lamp G. This lamp is made in the form of a double tube connected together by a top and bottom. The inner tube fits upon the rod B. The lamp is supported by the wrench E, and has an opening in its top, closed by the cap H, for filling it.

The wick-tube I is connected to the side of the lamp near its top, as shown in Fig. 1. It is surrounded by a cup or shield, J, in the form of a tube, as shown, to receive the fluid, camphine, or oil which may be used in the lamp, and which may pass up through the wick by capillary attraction and flow down the outside of the tube. This overflow is received in the cup or shield J, and flows back into the lamp through holes formed in the sides of the wick-tube for that purpose.

K is a spring, one end of which is attached to the arm *e'''* of the wrench E, and the other or free end rests against the side of the lamp, as shown, holding it in place, but allowing it to revolve when it may encounter any obstruction in lighting the gas.

By this apparatus the gas may be lighted at whatever elevation the burners may be placed, the cocks in the gas-pipe being opened and closed by one or the other of the wrenches, in whatever position the said cocks may have been placed.

We claim as new and desire to secure by Letters Patent—

As a convenient article of manufacture, the lamp-lighter's torch herein described and represented.

C. D. WALTERS.
JOHN WILSON.

Witnesses:

WM. W. JENNINGS,
JOHN J. MAGLAUHLIN.