

ERPELDING & HUTHMANN.

Pocket Lamp.

No. 91,833.

Patented June 29, 1869.

Fig. 1.

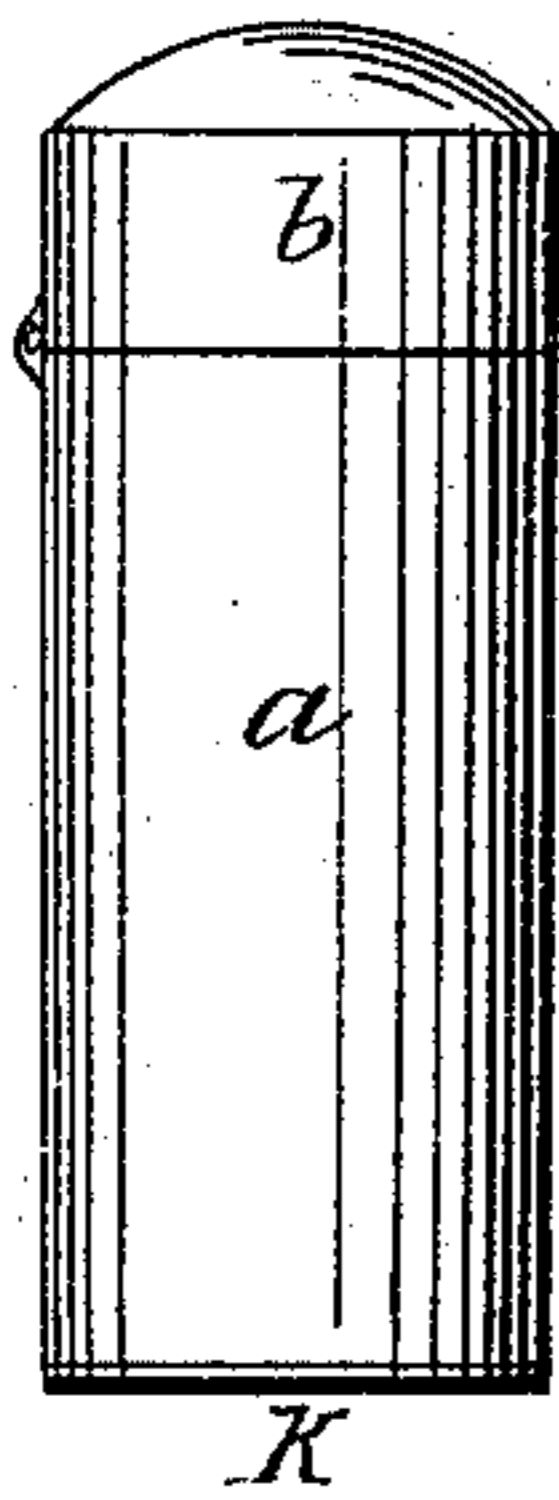


Fig. 2.

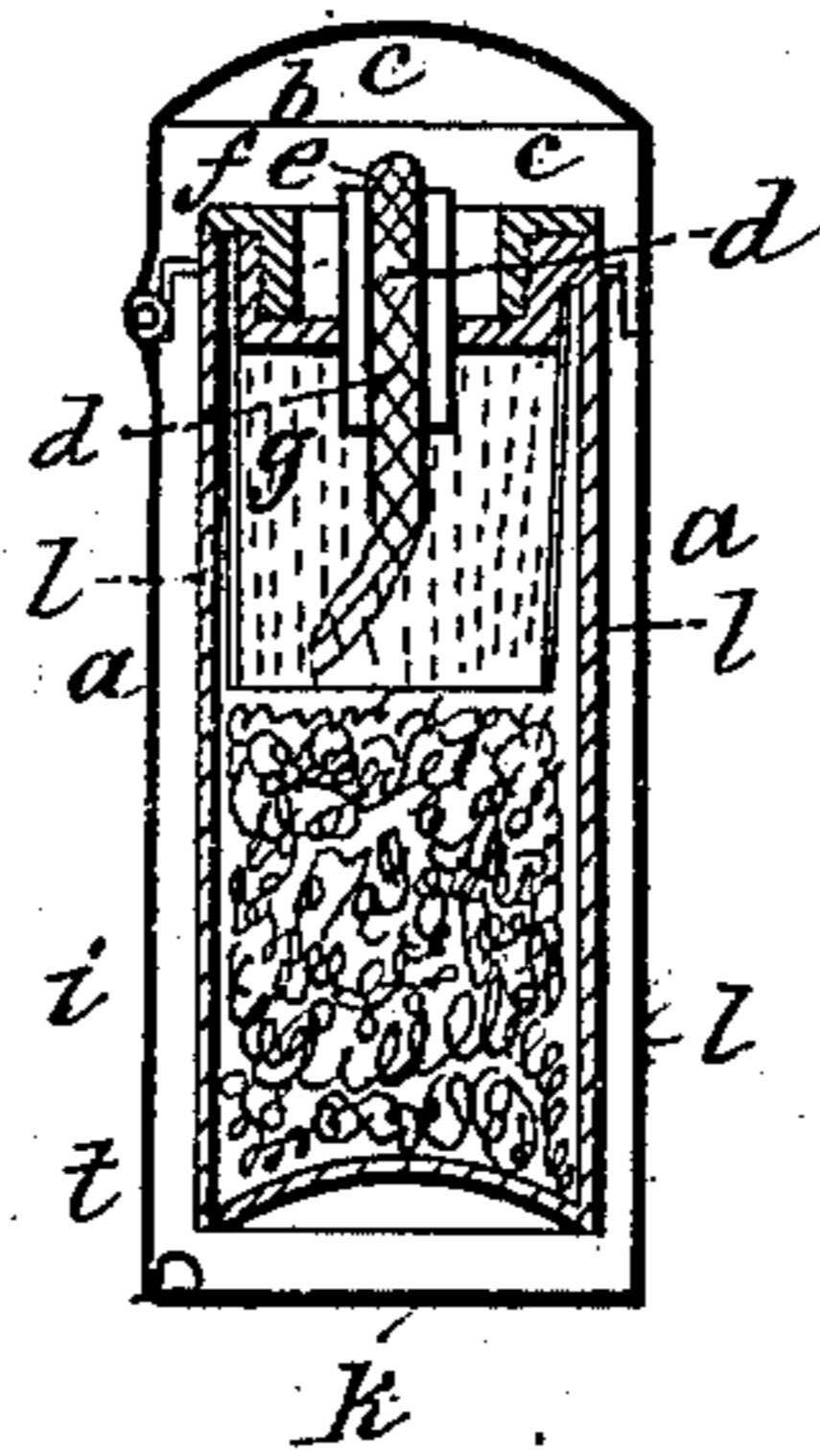


Fig. 3.

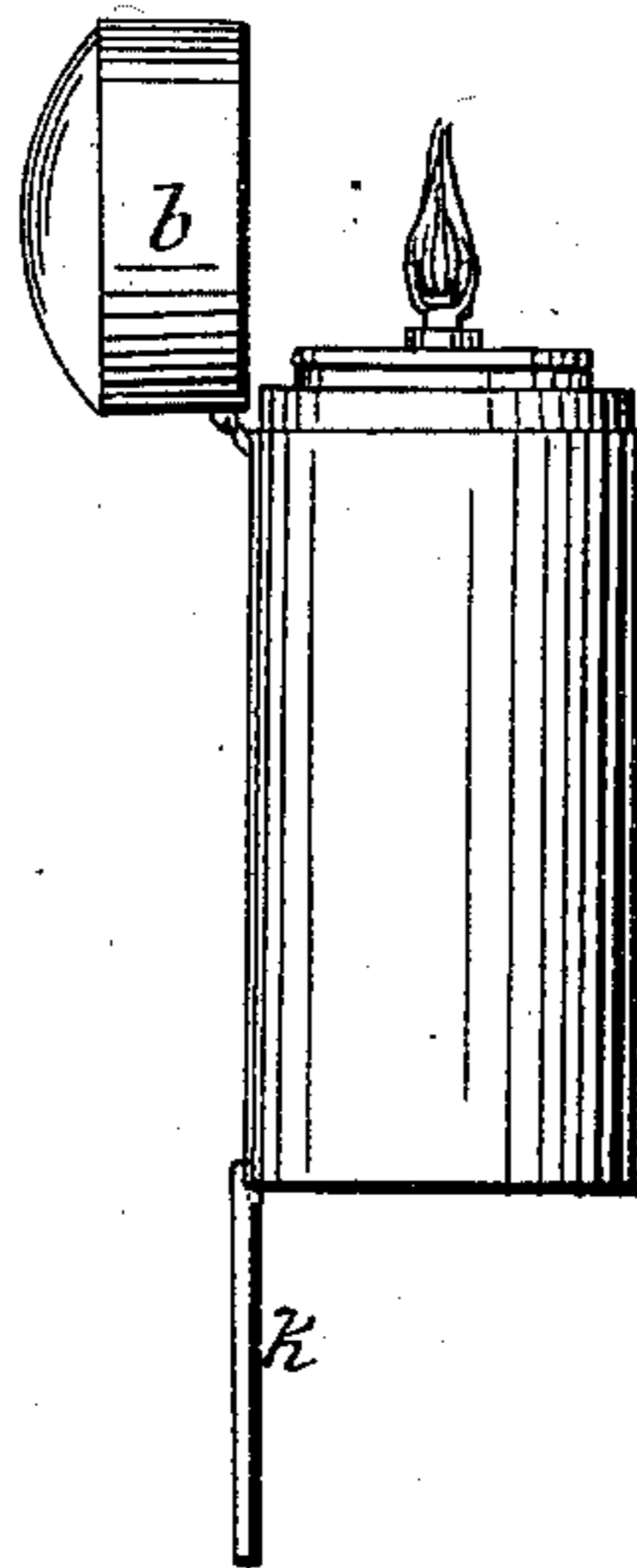
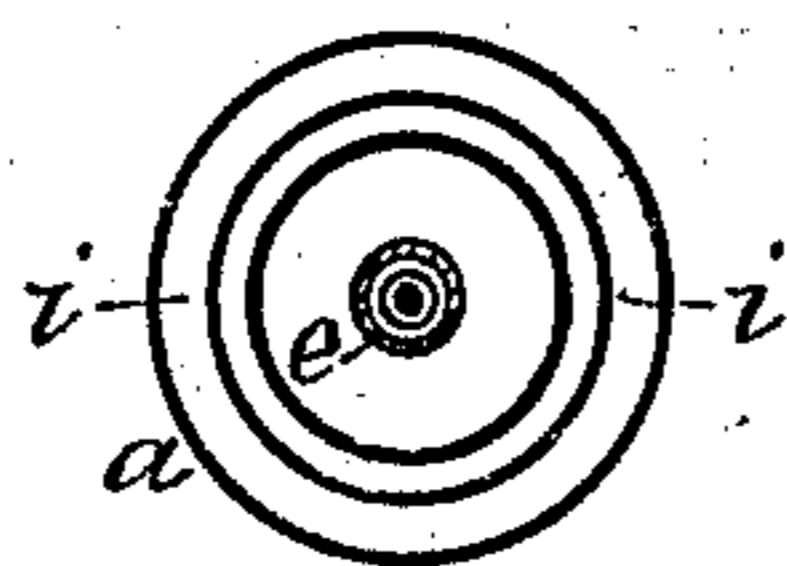


Fig. 4.



Witnesses,

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United States Patent Office.

JOHN ERPELDING AND WILLIAM E. HUTTMANN, OF CHICAGO,
ILLINOIS.

Letters Patent No. 91,833, dated June 29, 1869; antedated June 15, 1869.

IMPROVEMENT IN POCKET-LAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, JOHN ERPELDING and WILLIAM E. HUTTMANN, both of Chicago, in the county of Cook, and State of Illinois, have invented certain new and useful Improvements in Pocket-Lamps; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use our invention, we will proceed to describe it.

Our invention consists of a combined pocket-lamp and match-box, of novel construction, as hereinafter explained.

Figure 1 is a side elevation of the same, closed;

Figure 2 is a longitudinal section of the same;

Figure 3 is a side elevation of the same, representing both the lamp and match-box open; and

Figure 4 is a transverse section of the same, taken on the line *x-x* of fig. 2.

To construct our lamp, we form two cylinders or cases, *a* and *b*, one being less in diameter and slightly shorter than the other, as represented in section in fig. 2.

A bottom is soldered to the inner case *l*, and it has a wick-tube, *e*, and screw-cap, *f*, fitted to its top, in the ordinary manner, after which it is secured to the outer case *a*, at the top, by means of an annular flange or ring, as represented in fig. 2, thus holding the case *l* suspended within the case *a*, the two being arranged concentrically, so as to leave an annular space or chamber, *i*, between them, for the reception of matches.

The simplest method of constructing these cases is to take the ordinary drawn-brass or other metal tubing, of two sizes, and cut them into pieces of the proper length; or, the inner case may be formed with bottom complete, by drawing it into the required form, in the same manner that metallic cartridges are formed.

A hinged lid, *k*, is secured to the bottom of the outer case *a*, and has a spring, *t*, arranged on the inside of case *a*, in such a manner as to keep the lid *k* closed, except when power is applied to open it, the

spring being shown in fig. 2, with the lid closed, and the lid being shown open in fig. 3.

To the cup or reservoir *l*, is fitted a screw-top, *f*, provided with a wick-tube, *e*, and within the reservoir, depending from the top, is secured a finely-perforated tube, *g*, which surrounds the wick, and reaches down to a sponge, *h*, which fills at least one-half of the reservoir, and which is intended to absorb the bulk of the oil, and prevent it from splashing or leaking out, in case the lamp should be temporarily inverted, as may at times be necessary, to withdraw matches or insert the same. If desired, the cavity may be filled nearly full of sponge.

A hinged cap, *b*, is fitted to the case *a*, so as to shut down over the wick-tube, and close the whole securely, in which condition it may be carried conveniently in the pocket.

Within the top portion of the cap or lid *b*, is placed a reflector, *c*, which may consist of any suitable material, the raising of the lid to the position shown in fig. 3 bringing the reflector into proper position to throw the light forward.

By these simple means, I provide a cheap, compact, and efficient combined lamp and match-box, that can be carried in the pocket, or packed in a trunk, or other conveyance, where it will always be ready at hand, whenever a light is required for any purpose whatever.

We are aware that pocket-lamps have heretofore been described as composed of a single case, divided into two compartments, by means of a diaphragm or division-plate, and, therefore, we do not claim such; but, having thus described our invention,

What we claim, is—

1. A pocket-lamp, consisting of a lamp-case, *l*, and an outer case, *a*, united, as shown, so as to leave an annular chamber, *i*, between them, for the reception of matches, substantially as herein described.

2. The reflector *c*, located in the top of the cover *b*, and arranged to operate as described.

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