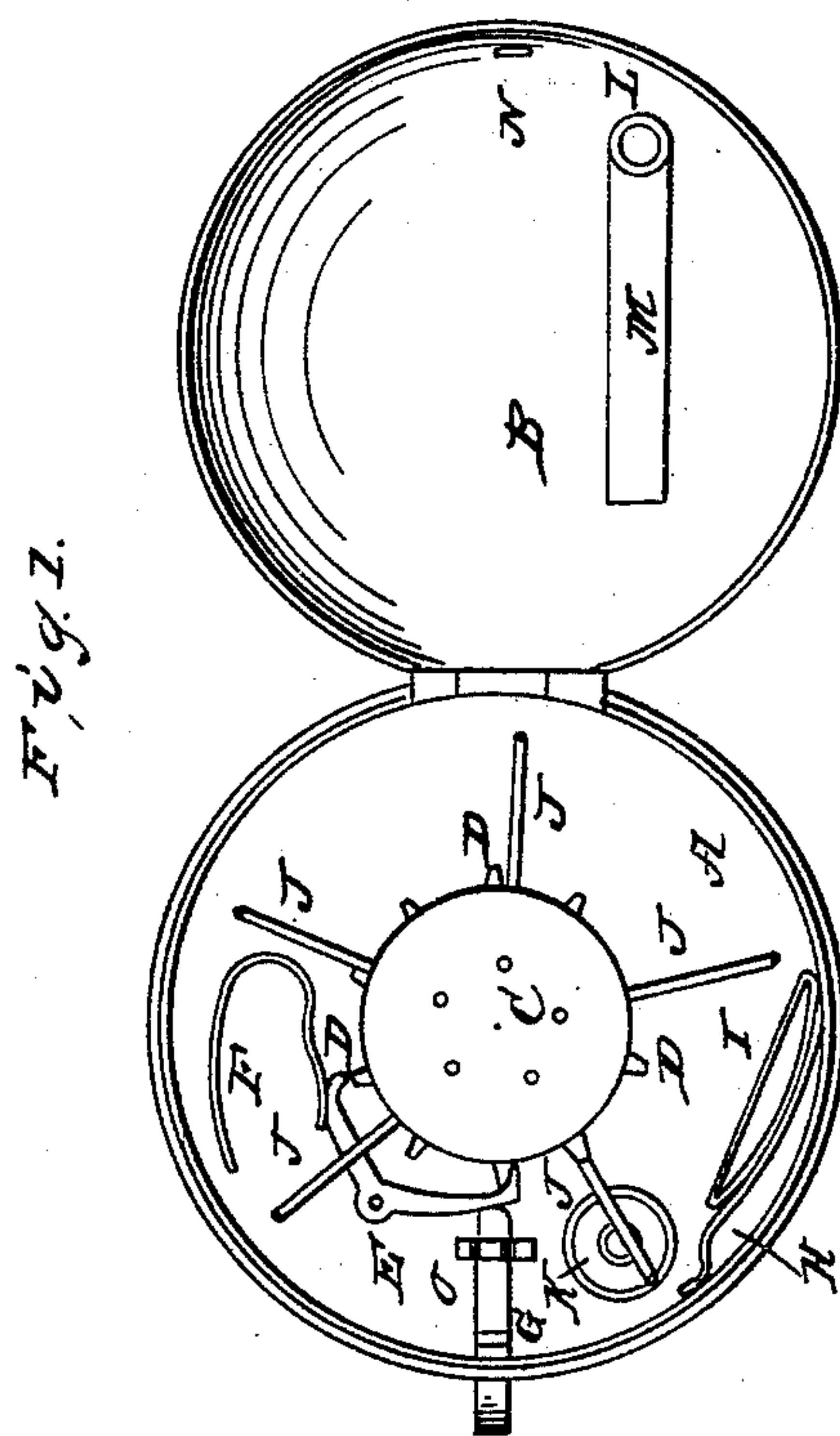
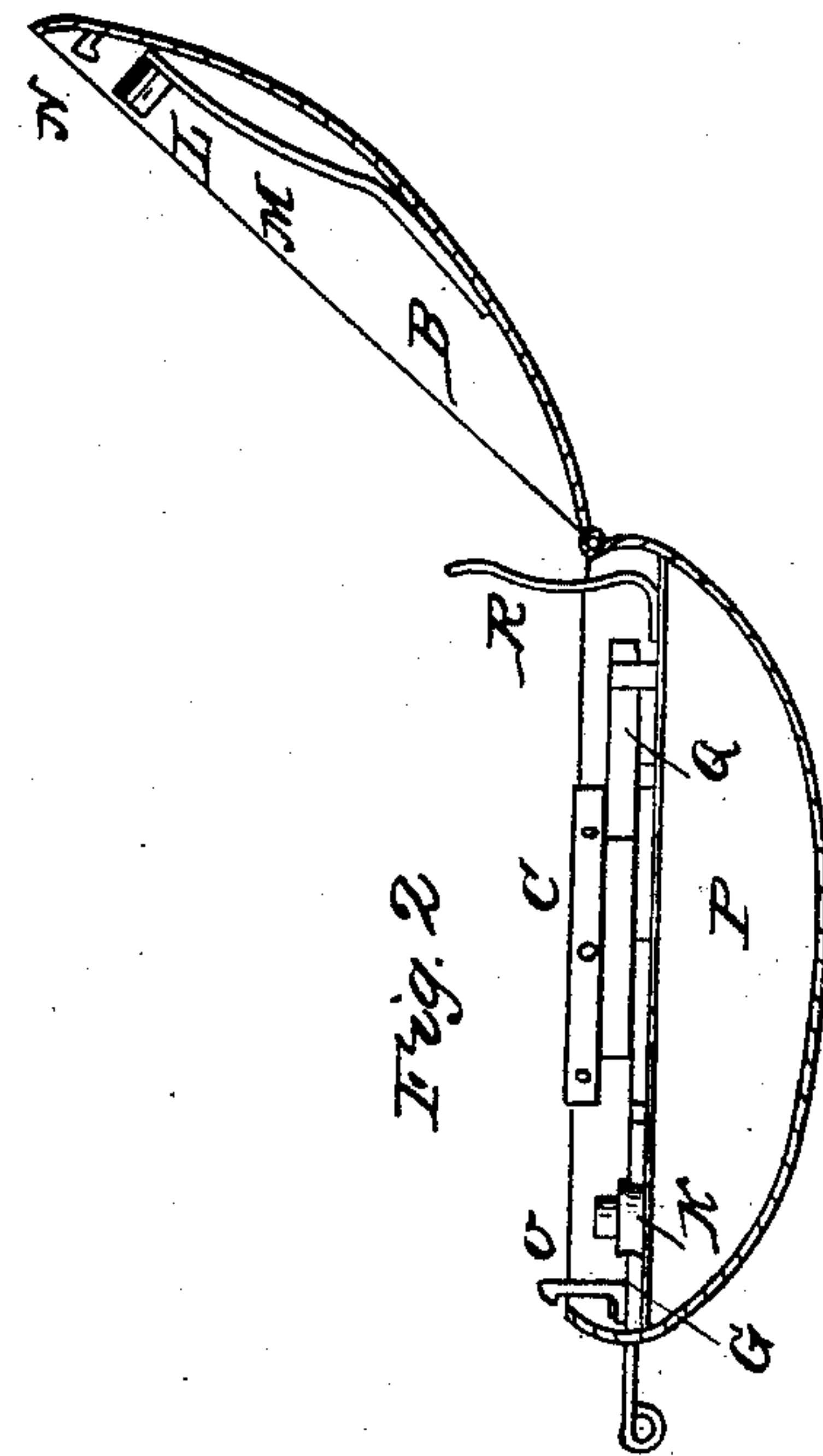


H. L. HERVEY.
Lighting Device.

No. 16,180.

Patented Dec. 9, 1856.



UNITED STATES PATENT OFFICE.

H. L. HERVEY, OF QUINCY, ILLINOIS.

POCKET-LAMP.

Specification of Letters Patent No. 16,180, dated December 9, 1856.

To all whom it may concern:

Be it known that I, HORACE L. HERVEY, of Quincy, in the county of Adams and State of Illinois, have invented a new and useful Improvement in Self-Lighting Pocket-Lamps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure 1, is a plan view. Fig. 2, is a sectional view.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

In Fig. 1, A, the box to contain the oil, or burning fluid; B, the cover; C, the revolving match holder; D, the catches for the dog or pawl E, to rest against; E, the dog or pawl to hold the wheel D in its proper place; F, the spring to hold the end of the dog E, in its place. G, is the catch for keeping the box shut and to press down the dog as is represented, for the purpose of allowing the spring to turn the match holder. H, is the sand paper holder; I, the sand paper for the match to rub against to ignite it; J the matches; K, the tube for the wick. L, is the spring extinguisher for the purpose of keeping the oil from running out, when carried in the pocket, also to extinguish the light when the cover is shut down upon the tube K, the spring M, gives the requisite pressure for that purpose. The catch N locks the box while shut, and catches into the stud O.

In Fig. 2, B, the cover; C, the revolving match holder; G, the catch; K, wick tube;

L, spring extinguisher. M, is the spring of the extinguisher; P, the oil chamber. Q, is the coiled spring to turn the match holder. R, is the spring to throw the box open.

In the operation of my lamp, I first place oil or burning fluid in the oil chamber P, then place a wick in the wick tube, then place matches in the openings or holes that are in the revolving match holder after the spring Q is wound up, said spring is wound up by turning the match holder backward, then when it is desired to light the lamp, the catch K, must be pressed inward, which relieves the revolving match holder and allows it to revolve a portion of the way around, and in passing around in this manner it brings the match in contact with the sand paper or other rough surface which ignites the match, it carries the match around until it comes in contact with the wick which it lights, if the first match should not ignite, then by pressing in the catch it will allow the second to light the lamp.

Having thus fully described the construction and operation of my invention what I claim as new and desire to secure by Letters Patent is:

The combination of the revolving match holder with the pawls E, and spring F, catch G, and the extinguisher L, for the purpose of a portable pocket lamp as set forth.

HORACE L. HERVEY. [L. S.]

Witnesses:

G. G. CLAYTON,
JOS. C. CLAYTON.