

(No Model.)

E. B. ELROD.

COMBINED FOOT WARMER AND HEATER.

No. 316,252.

Patented Apr. 21, 1885.

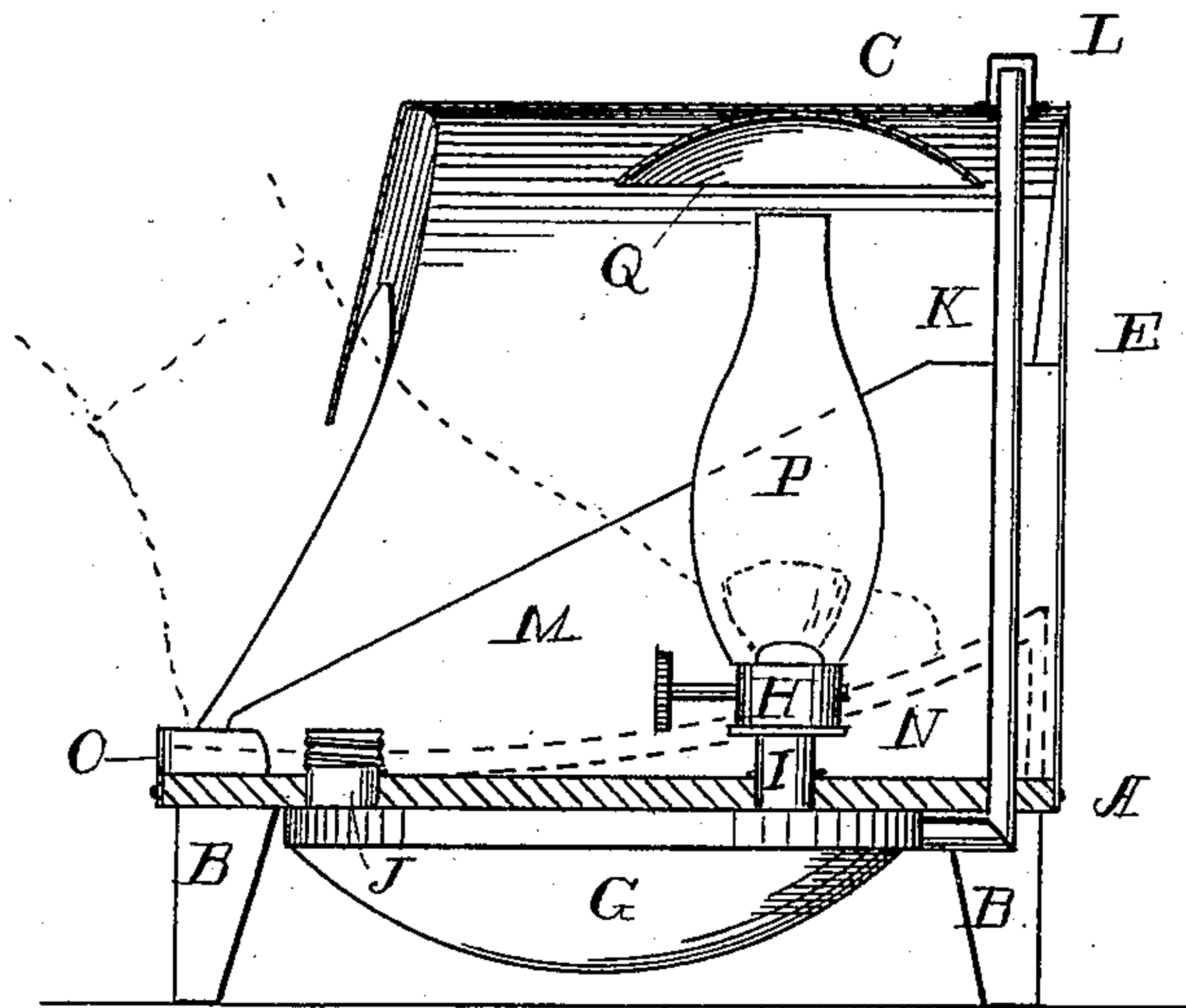


Fig. 1.

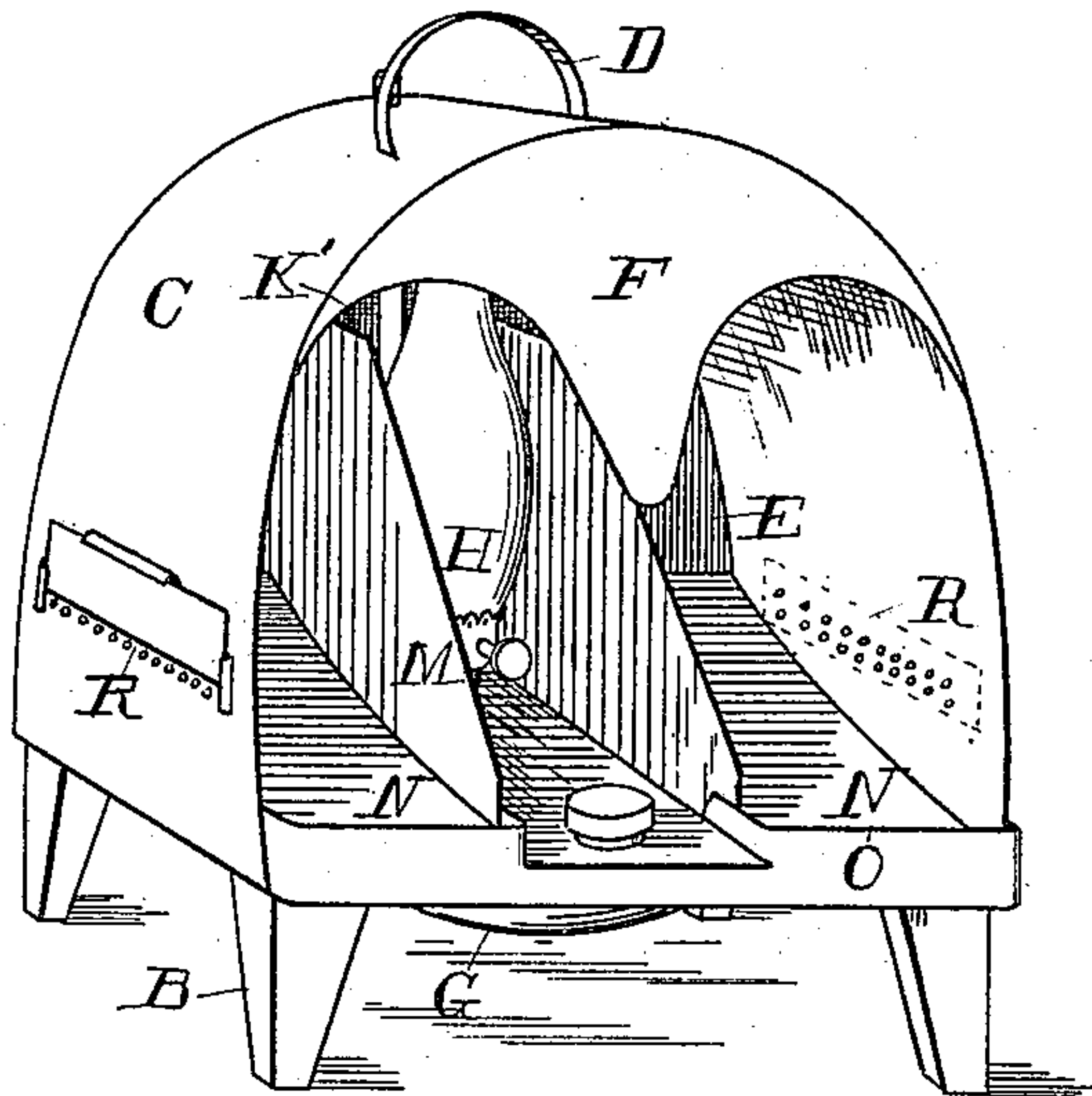


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD B. ELROD, OF FLORA, ILLINOIS.

COMBINED FOOT-WARMER AND HEATER.

SPECIFICATION forming part of Letters Patent No. 316,252, dated April 21, 1885.

Application filed March 1, 1884. (No model.)

To all whom it may concern:

Be it known that I, EDWARD B. ELROD, of Flora, in the county of Clay and State of Illinois, have invented a new and useful Improvement in a Combined Foot-Warmer, Lantern, and Heater, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a vertical sectional view of the combined foot-warmer, lantern, and heater; and Fig. 2 is a perspective of the same.

The object of the present invention is to provide a combined foot-warmer, heater, and lantern; and it consists of a suitable base placed on legs and having an oil-reservoir on the under side and an arched cover, with the rear end closed. Within said cover is a suitable lamp, inclined foot-rests, and guards or wings, all of which will now be set forth in detail.

In the accompanying drawings, A represents the base, either square or rectangular. This base has on the under side four short legs, B, so as to elevate it a short distance above the object on which the legs rest.

C is an arched top or cover extending from side to side. This cover is secured permanently to the base, and is provided with a handle, D. The rear end, E, of the arched cover is closed, while the forward end is open, so as to permit the user to place both feet inside.

A partial end or head, F, is placed in and secured to the arch permanently, the object being to retain as much heat as possible in the body of the warmer after the feet are placed therein.

On the under side of the base is a flattened receptacle, G, made in any desired shape, so that it occupies no more space than the room below the base A. This receptacle is for oil to feed the lamp-wick, and is placed below the base A, so as to be kept cool, and likewise because of the convenience in location.

Centrally near the rear end is a lamp-burner, H, which is placed on a suitable tube, I, connecting with the oil-reservoir G.

Directly forward of the lamp is the filling-tube J.

On the rear side of the oil-reservoir G is a vertical air-tube, K, which extends up and passes through the top of the arched cover, where it is provided with a cap, L. The cap does not fit snugly on the tube, so that the latter is at all times open to permit air to enter the reservoir as the oil is exhausted and

to allow the gases generated in the reservoir to escape.

On each side of the space occupied by the lamp and filling-tube is a guard or wing, M, and within the spaces between these wings and the sides the supports N are placed, upon which the feet rest when the device is in use as a warmer. A flange, O, extends around the forward end of each foot-piece N, as shown.

In the manufacture of these warmers I design using the ordinary illuminating-lamp, with the chimney P, either of glass or other material, especially adapted for the purpose, so as to secure as perfect combustion as possible.

The top of the chimney extends nearly to the top of the arched cover, and to prevent the latter from being unduly heated a concave reflector, Q, is secured to the under side of the cover C, as shown in Fig. 1.

The sides of the cover C may be provided with ventilating-holes R and with closing slides.

For use as a foot-warmer, the feet are placed within the warmer and rest on the foot-pieces N. When designed for use as a lantern, the open front permits the lamp to throw its light forward, and since the warmer is of a portable nature and easily carried by the handle D it serves an admirable purpose in this respect.

Having described my invention, what I claim is—

1. In a foot-warmer provided with a cover and suitable foot-supports, a lamp placed between said supports, and provided with a filling-tube and also with an oil-reservoir below the base of the warmer.

2. The combination of a suitable base, A, and arched cover C, having closed rear end, E, the inclined foot-rests N, and the wings or guards M, on each side, and the lamp H, substantially as herein set forth.

3. The combination of the base A, having the oil-reservoir beneath and the arched cover above, with the air-tube K, extending upward from said reservoir, the lamp H, the inclined foot-pieces N, and guards or wings M, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand, this 11th day of February, 1884, in the presence of witnesses.

EDWARD B. ELROD.

Witnesses:

W. THOMPSON, Jr.,

EDWIN EDWARDS.