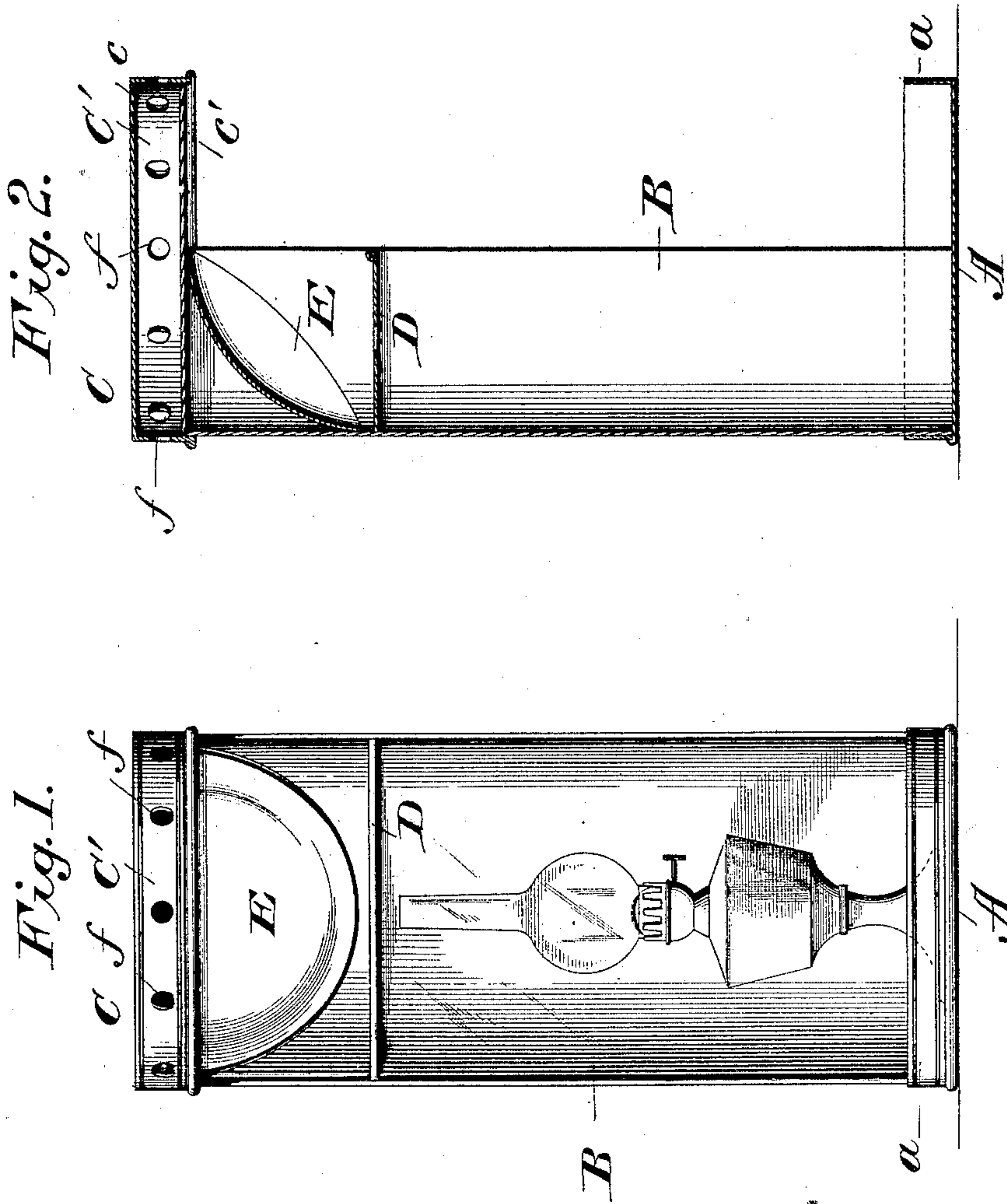


(No Model.)

R. A. HICKOX.
LAMP STOVE.

No. 462,132.

Patented Oct. 27, 1891.



Robert A. Hickox.

Inventor

Witnesses:

G. S. Elliott.

C. M. Johnson.

by

Attorney

UNITED STATES PATENT OFFICE.

ROBERT A. HICKOX, OF SANTA ANA, ASSIGNOR OF ONE-HALF TO WILLIAM
B. WOOD, OF ORANGE, CALIFORNIA.

LAMP-STOVE.

SPECIFICATION forming part of Letters Patent No. 462,132, dated October 27, 1891.

Application filed December 27, 1889. Serial No. 335,168. (No model.)

To all whom it may concern:

Be it known that I, ROBERT A. HICKOX, of Santa Ana, county of Orange, State of California, have invented a new and useful Improvement in Means for Self-Reflecting Heat from a Coal-Oil Lamp for Warming Purposes; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to new and useful improvements in lamp-stoves.

The object of the invention is to provide a cheap, simple, and effective device whereby the heat generated by a lamp or oil-stove may be utilized for warming purposes; and it consists in the combination, with an oil-lamp, of a reflector which is so constructed as to provide a base upon which the lamp will rest, a concave reflector above the base, and a deflector and perforated top, all as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a front view of a heat-reflecting device, showing a lamp applied thereto; and Fig. 2 is a sectional view.

A refers to the base, which is provided with an upwardly-projecting flange *a* and is preferably circular. A vertical reflector B extends from the base upwardly and serves as a support for the top C, which is made up of two plates *c* and *c'*, connected by a vertical wall *C'*. At a suitable distance above the base A the vertical concave reflector B is provided with a transverse partition D, which is provided with one or more perforations, as may be desired, and above said transverse partition is secured an inclined reflector E, which extends from the lower plate of the top downwardly. The reflectors are preferably made of metal and highly burnished, so that

they will not only serve to throw the light but also the heat. The vertical wall *C'* of the top C is provided with perforations *f*, through which the heat can pass.

This device is extremely simple and may be effectively used for heating small apartments, and by the construction shown the heat is thrown out in front of the reflectors.

Having thus described my invention, I claim—

1. As an improvement in lamp-stoves, a reflector comprising a base, upon which a lamp or heating medium is adapted to rest, a concave reflector B, and a reflector E, secured to the reflector B to extend from the rear to the front edges of the same, substantially as set forth.

2. In combination with a lamp or heating medium of a base A, semicircular or concave reflector B, rigidly secured thereto, a top C, projecting beyond and overhanging the reflector B, and an inclined reflector E, extending from the top downwardly at an angle, the lower edge thereof abutting against the inner wall of the reflector B, substantially as set forth.

3. As an improvement in lamp-stoves, a concave reflector B, having the flanged base A *a*, the double top *c c'*, provided with perforations in its vertical wall, the concave reflector E, extending from said top down to and connected with the reflector B, and a perforated shelf D, arranged adjacent to the base of the reflector E, substantially as set forth.

Dated Santa Ana, California, December 12, 1889.

ROBERT A. HICKOX.

Attest:

S. B. DAVIS,
B. F. CONAWAY.