

(No Model.)

B. F. LANCASTER.

LAMP STOVE.

No. 249,372.

Patented Nov. 8, 1881.

Fig. 1.

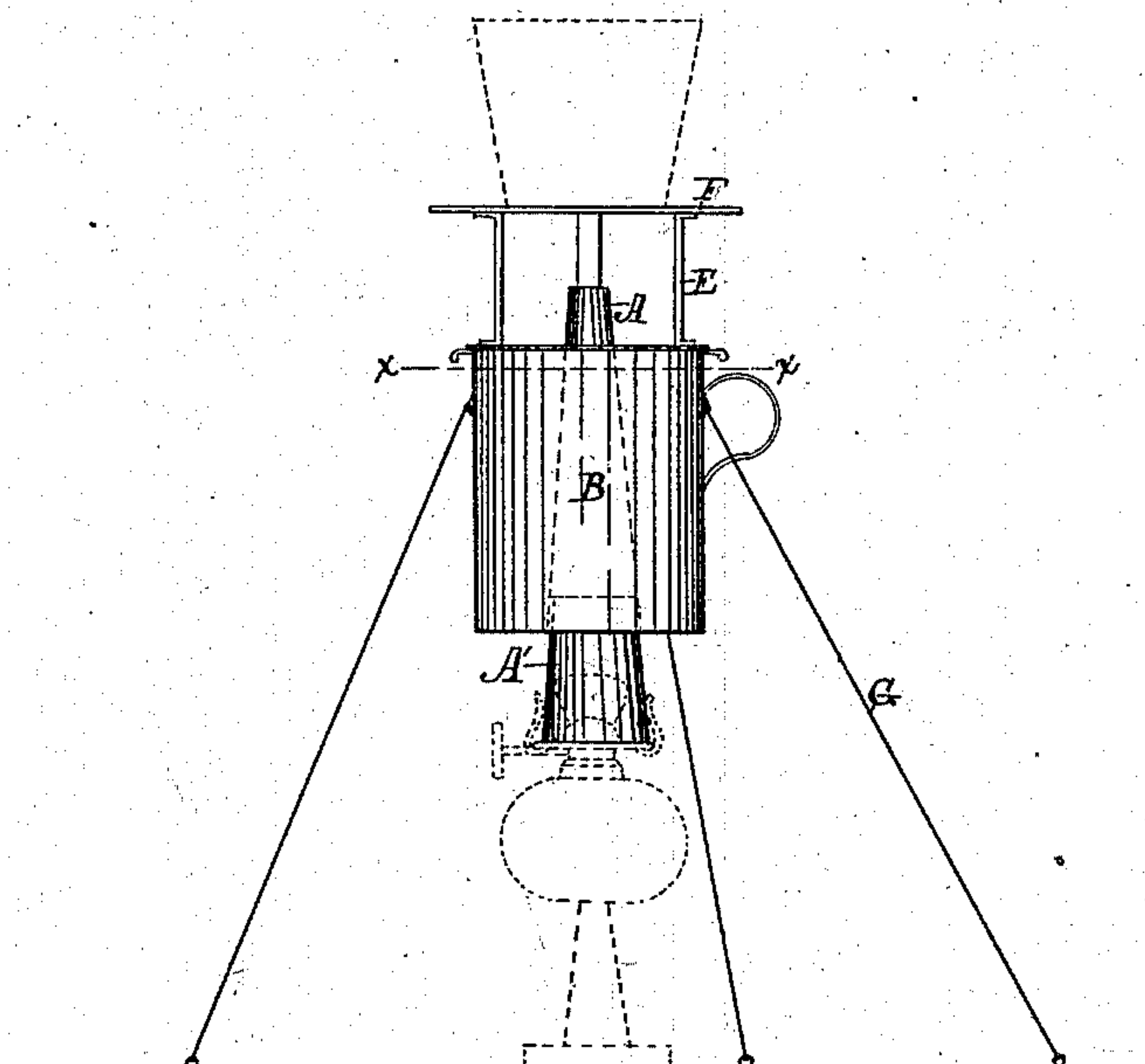


Fig. 2.

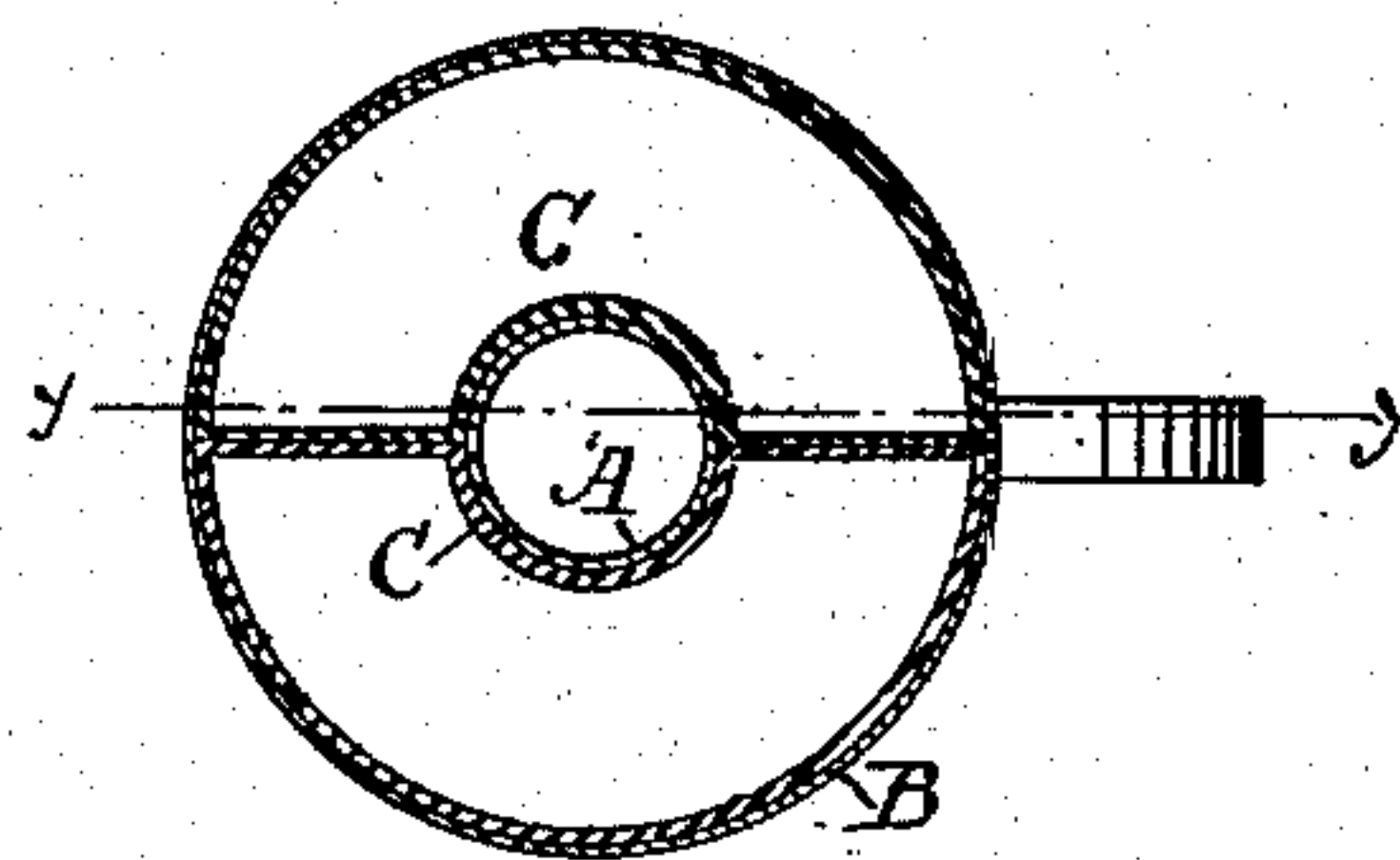


Fig. 3.

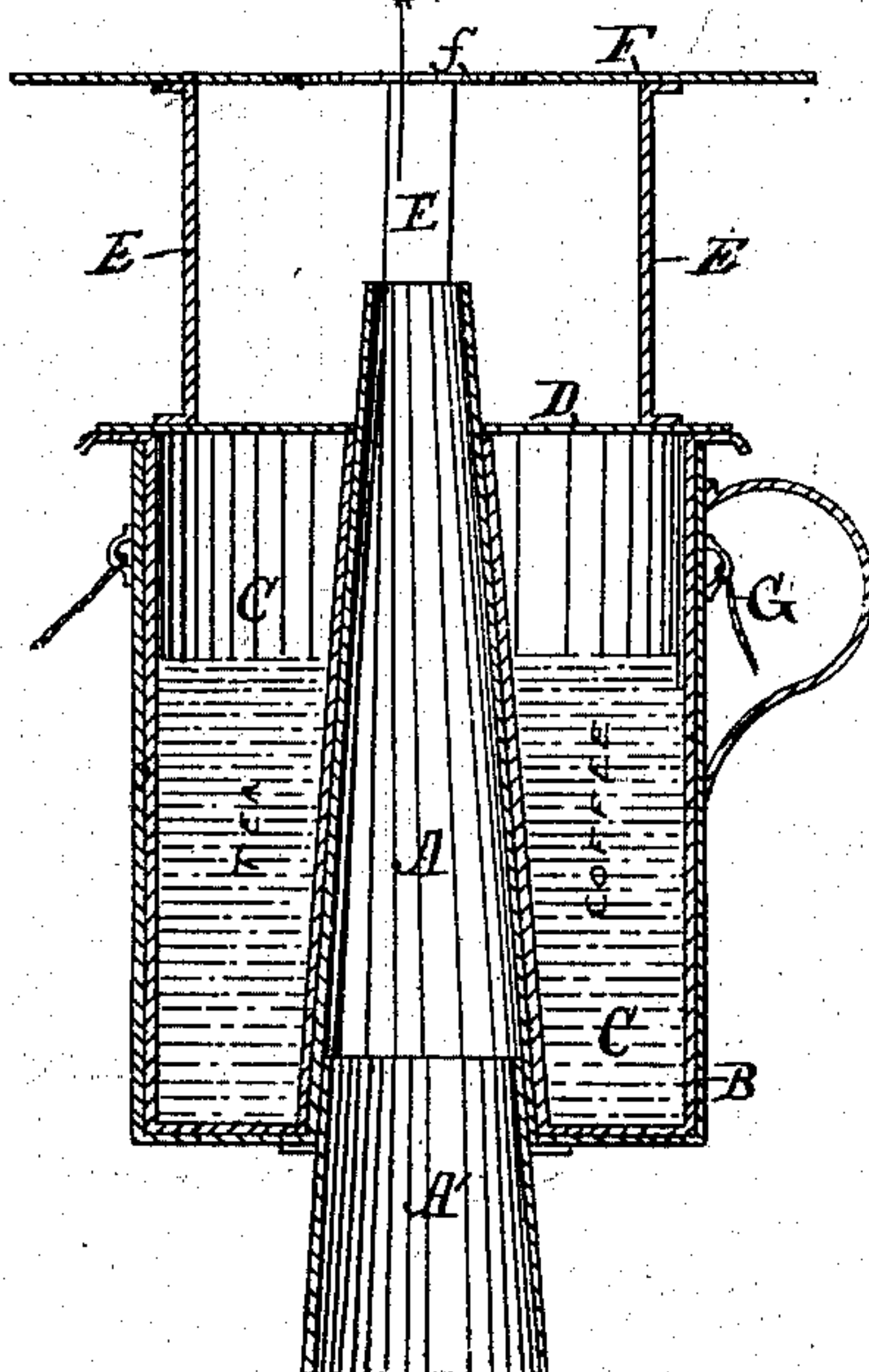
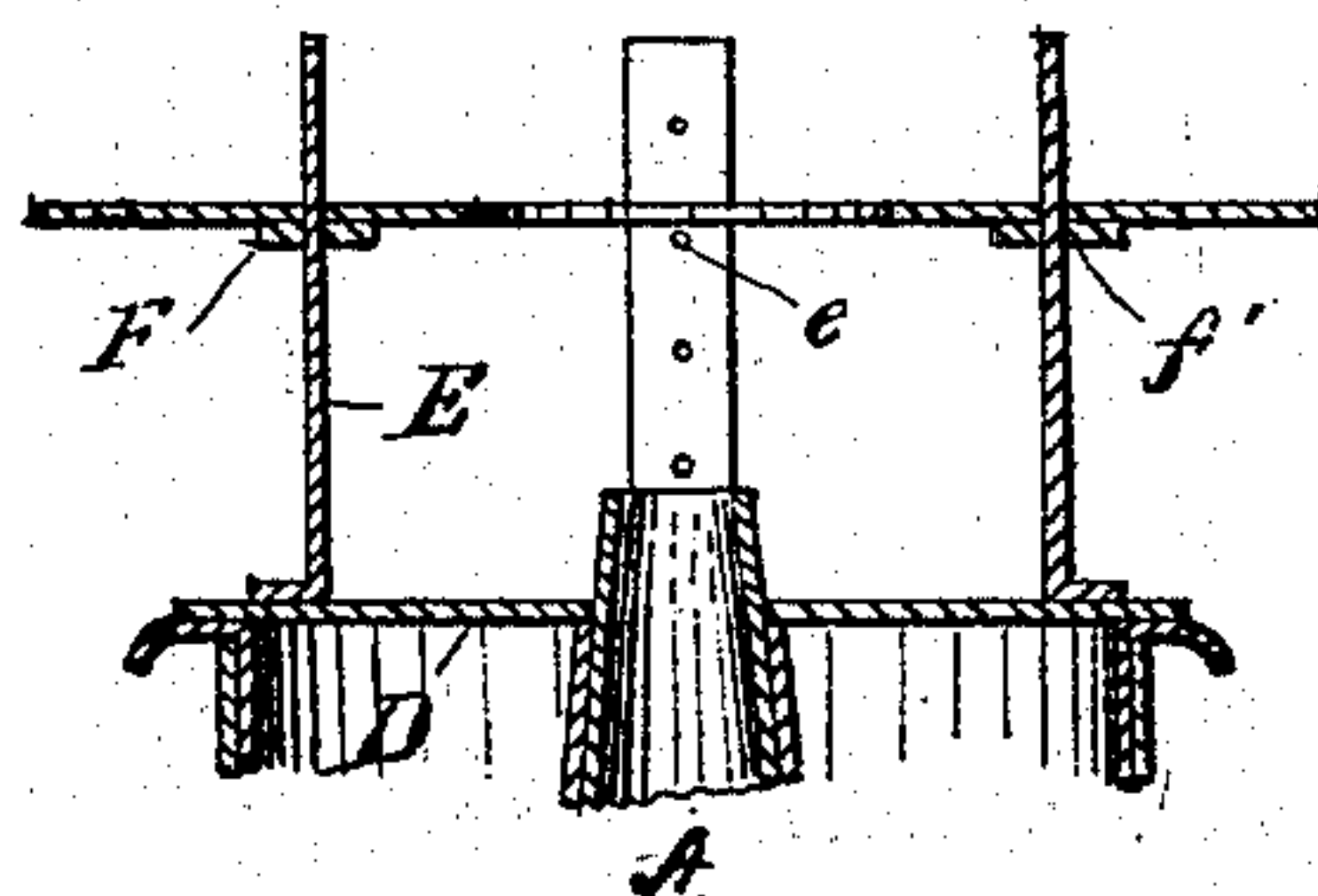


Fig. 4.



Witnesses:
J. H. Fales
C. F. Gotchell

Inventor:
Bradford F. Lancaster
by S. W. Bates
His Atty.

UNITED STATES PATENT OFFICE.

BRADFORD F. LANCASTER, OF AUGUSTA, ME., ASSIGNOR OF TWO-THIRDS TO
LEANDER J. CROOKER AND RICHARD W. BLACK, BOTH OF SAME PLACE.

LAMP-STOVE.

SPECIFICATION forming part of Letters Patent No. 249,372, dated November 8, 1881.
Application filed August 13, 1881. (No model.)

To all whom it may concern:

Be it known that I, BRADFORD F. LANCASTER, a citizen of the United States, residing at Augusta, in the county of Kennebec and State of Maine, have invented certain new and useful Improvements in Lamp-Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide in a cheap and durable form a cooking utensil which may be used over an ordinary coal-oil lamp, and which shall take the place of the more expensive oil-stoves for all ordinary purposes.

My invention consists, briefly, of a heating-tank surrounding a tube in the form of a lamp-chimney, the cover to the tank being surmounted by a rest or platform adjustably raised high enough above the end of the tube to prevent the obstruction to the draft. The tank is divided into compartments, in which different articles may be heated at the same time; and attached to its sides are guys or cords, by which the heater may be steadied in place.

In the drawings, Figure 1 is an elevation of my lamp-stove in place on an ordinary lamp. Fig. 2 shows section through *xx* of Fig. 1. Fig. 3 shows section through *yy* of Fig. 2. Fig. 4 is a detail to show how the rest or top plate may be adjusted up or down.

A is a tube, made in the form of a lamp-chimney. At its lower end it receives the detachable joint A'. The tube A is surrounded by the tank B, which is soldered to it and forms a part of it.

Fitting into the tank B are the sections or compartments C C, of which there may be two or more. These sections C C are intended to entirely fill the space within the tank, and they are provided with handles, by which they may be lifted out.

Surmounting the tank B is the cover D, containing a hole through which the tube A passes. Secured to the top of the cover D are the standards E E, which support the rest or platform F. The rest F is to be placed high enough above the end of the tube A so that it will not interfere with the draft or cause smoke to form.

This rest F is so fixed on the standards E as to be adjusted up or down—as, for instance, by making holes in said rest for the standards E to pass up through, and in slots in said standards placing pins *f'* to support the rest; but this end may be gained in any desired way. The rest F contains a hole, *f*, through which the draft may pass when there is nothing heating on it.

Fastened to the sides of the tank B are three or more wires or cords, G G, which serve as guys or braces to steady the stove on the top of the lamp.

The stove is to be placed on a common lamp in the same manner as an ordinary lamp-chimney. The guys G are then fastened to screw-eyes set in the table or floor, or in any suitable manner. The sections C C are filled with any substances which it is desired to heat; or, if one article alone is to be heated, they may be removed and the substance placed immediately in the tank B. An additional dish may be heated on the rest F, if desired.

The tube A' is intended to be removable, and to be of any required shape to fit different forms of burners, the rest of the apparatus being the same for all lamps.

My invention may be used over gas in the same manner as over oil lamps.

As thus made, I produce an article which will take the place of a regular oil-stove for all ordinary purposes, which can be cheaply made, which may be used on any lamp, and which possesses a combination of useful qualities not hitherto seen in one article, to my knowledge.

I am aware that heretofore lamp-stoves have been used having compartments for boiling, &c., about the chimney, and a detachable rest to be put on the cover and over the top of the chimney. Such features I do not broadly claim.

I claim—

A cooking utensil composed of the tube A, with its movable joint A', tank B, with its sections C C, and provided with the vertically-adjustable rest F, having opening *f*, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

BRADFORD F. LANCASTER.

Witnesses:

L. D. CARVER,
S. W. BATES.