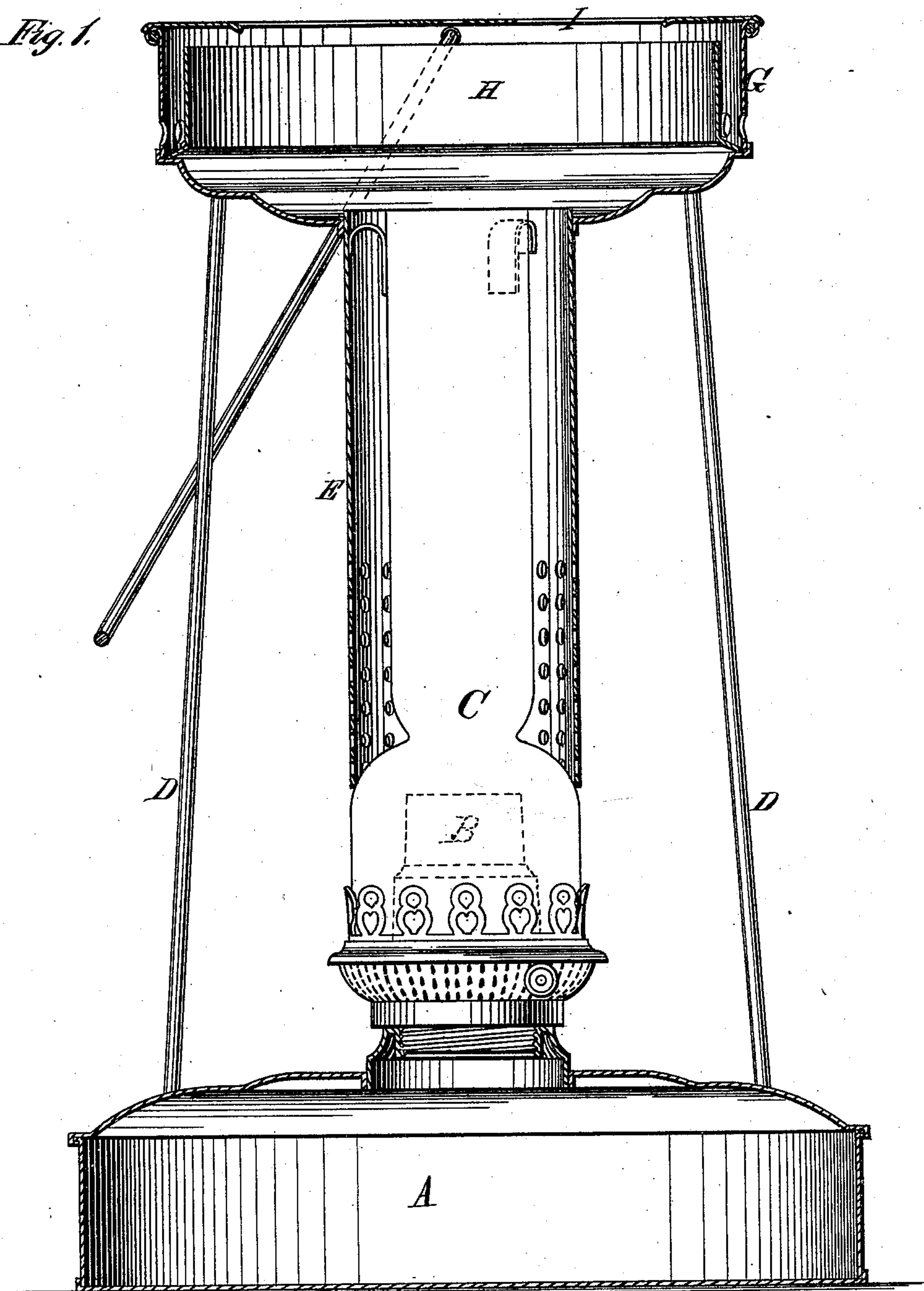


T. S. MARSHALL.
LAMP-STOVE.

No. 176,656.

Patented April 25, 1876.

Fig. 1.



WITNESSES

Robert Everett
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UNITED STATES PATENT OFFICE.

THOMAS S. MARSHALL, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN LAMP-STOVES.

Specification forming part of Letters Patent No. **176,656**, dated April 25, 1876; application filed April 1, 1876.

To all whom it may concern :

Be it known that I, THOMAS S. MARSHALL, of Syracuse, in the county of Onondaga and State of New York, have invented a new and valuable Improvement in Heating and Cooking Apparatus ; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical central section of my apparatus.

The object of my invention is to utilize the heat of the common kerosene-lamp for cooking and heating purposes; and to this end the nature of my invention consists in the construction and arrangement of a hot-air-draft chamber having an interior hoop for distributing and retaining the heat, with a central adjustable and perforated metallic tube for regulating the draft, as will be hereinafter more fully set forth.

In the annexed drawing, A represents a lamp-reservoir, with Argand burner B and glass chimney C. To ears projecting from the sides of the reservoir A are attached upright rods, D, which support the hot-air-draft chamber hereinafter described.

E is a perforated metallic tube surrounding the chimney C of the lamp, and surmounted by the hot-air-draft chamber G. This chamber is about six inches in diameter, open at

the top like a basin, with an opening in the center of the bottom, through which the metallic tube E can be passed freely up and down. On the inside of the chamber or basin G is a hoop, H, passing around the inside thereof a suitable distance from it, and a trifle narrower than the depth of the chamber. This hoop is for the purpose of distributing and retaining the heat. The chamber G is perforated at the bottom so as to obtain sufficient draft when closed or covered at the top.

I is a slotted plate placed on top of the chamber when used for heating alone. By adjusting the perforated tube E the draft is easily regulated so as to secure a greater amount of light than would otherwise be possible.

By this invention it will thus be seen that I utilize the heat from the lamp for heating or cooking purposes without impairing the lighting qualities thereof.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the elevated heating-chamber G, interior hoop H, and perforated adjustable center-tube E, all supported above a lamp by rods D, as and for the purpose specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

THOMAS S. MARSHALL.

Witnesses:

WILLIAM DOUGLASS,
E. S. DAWSON.