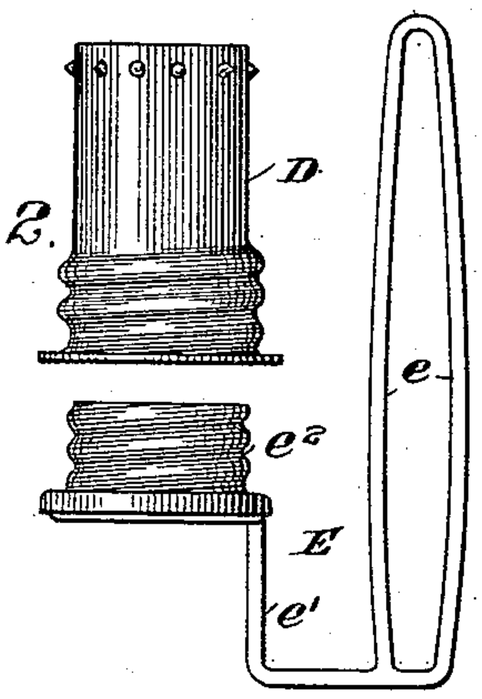
(No Model.)

W. S. McLEWEE.

LAMP.

No. 471,822. Patented Mar. 29, 1892.

Fig 2.



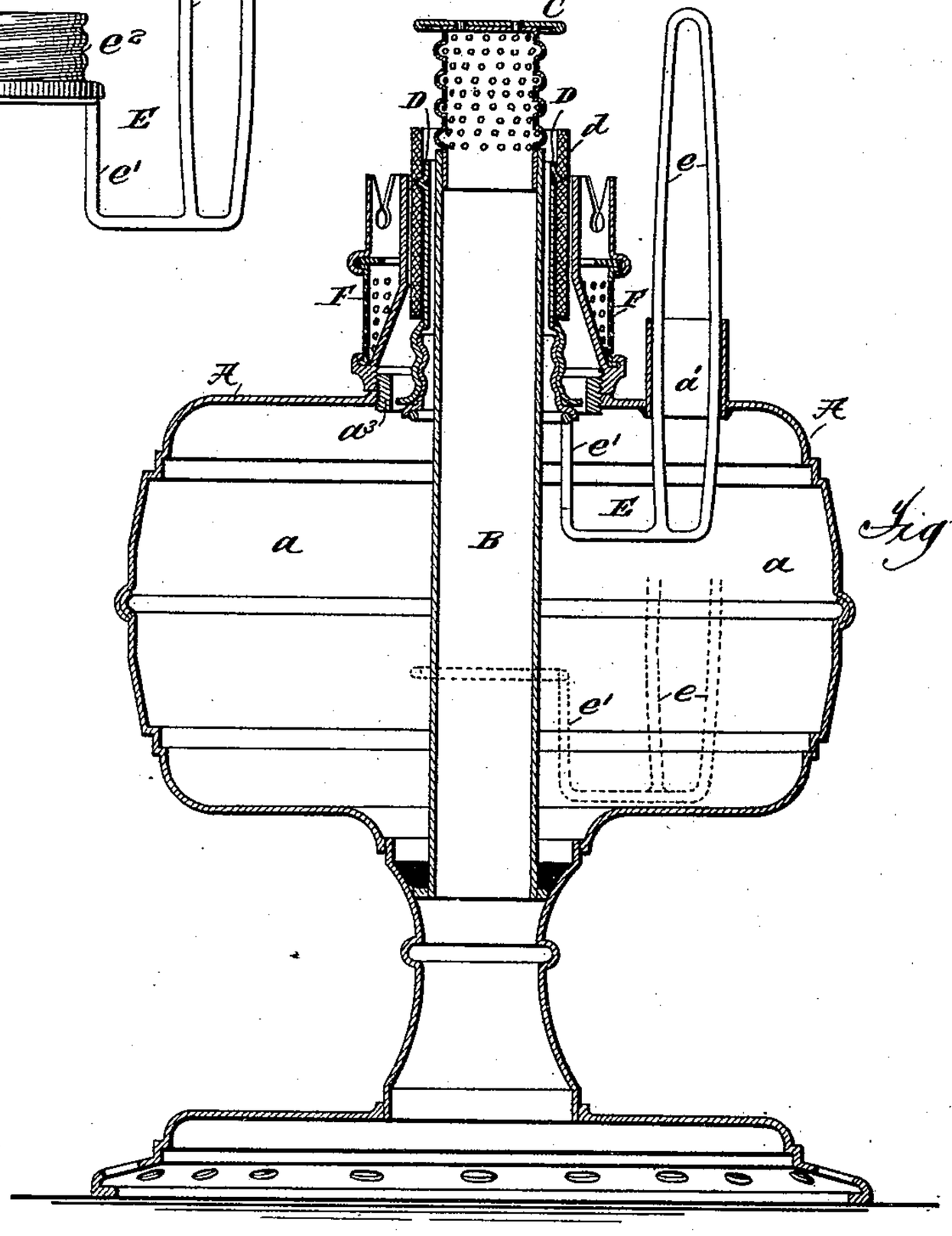


Fig. 1.

Attest:
Geo. H. Bolt.
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William S. McLewee.
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UNITED STATES PATENT OFFICE.

WILLIAM S. McLEWEE, OF NEW YORK, N. Y.

LAMP.

SPECIFICATION forming part of Letters Patent No. 471,822, dated March 29, 1892.

Application filed February 26, 1891. Serial No. 382,882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. McLEWEE, a citizen of the United States, and a resident of the city, county, and State of New York, have invented new and useful Improvements in Lamps, of which the following description, taken in connection with the drawings herewith accompanying, is a specification.

My invention relates more particularly to that class of lamps known as the "central-draft lamp;" and it consists in the construction and arrangement of the wick-operating mechanism and in other details of construction, as will hereinafter be set forth in detail, and pointed out in the claims.

The main object of my invention is to provide a means of cheap and simple construction for supporting and operating the wick in a manner whereby the latter may be readily attached and detached from its holder and be raised and lowered in an easy, quick, and positive manner.

Referring to the drawings, Figure 1 represents a vertical sectional view through the center of a lamp embodying my invention, and Fig. 2 represents a detail view of the wick-holder and operating device detached from the lamp.

In the drawings, A represents the body of the lamp containing the oil-reservoir *a;* B, the central vertically-arranged tube or opening for the central draft; C, the perforated cap or thimble located at the upper end of said shaft B for distributing the air to the flame in a manner well understood by those skilled in the art.

The perforated cylindrical portion of the cap or thimble C is in the instance shown corrugated in order to strengthen and stiffen the same and prevent its bending or otherwise losing its proper shape when softened by the heat from the adjacent flame. The lower rib or projection formed by said corrugations also forms a shoulder to engage with the upper end of the tube B and support the said cap or thimble in position, as will be readily understood.

d represents the wick, and D the wick-holder, the latter consisting of a suitable cylindrical shell, which at its lower end is screw-threaded for detachable connection with the connecting wick raising and lowering device E. The wick is adapted to be slipped over the outer surface of the holder or sleeve D and be secured by the engagement therewith of points or projections located on said surface, as more clearly shown in Fig. 2, such detachable screw-threaded connection between the wick-holder and the operating stem or handle being also shown in other applications of mine, bearing serial numbers 382,883 and 382,884.

The device E, which is located within the body of the lamp in the usual manner, consists of a vertically-arranged stem *e*, which projects at its upper end through a slot or opening *a'* in the body of the lamp A, in order that the operator may grasp the same to raise and lower the wick in a manner as will hereinafter be set forth, and at the lower or opposite end is provided with an arm *e'*, which has connection with and supports a screw-threaded collar e^2, adapted for detachable connection with the said wick-holder D. The arm or stem is in the instance illustrated formed of wire bent in an elliptical or loop-like form and in such manner that its opposite sides spring outward and have an elastic pressure against the sides of the said slot or opening *a'* in the body of the lamp A, in order that it may be held stationary by the friction thus produced when adjusted to any desired position to raise and lower the wick.

F represents the collar or neck of the lamp, adapted to support the chimney or globe, (not shown in the drawings,) and is in the instance illustrated detachably connected with the body of the lamp A, in order that the wick-holder D may be more readily attached and detached from the device E. The said collar F adjacent to its lower end is screw-threaded and adapted to engage with a threaded flange or collar a^3 on the body of the lamp A, as clearly shown in the drawings.

Having thus set forth my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with the body or reservoir of a lamp, provided with an opening therein, of a wick-operating mechanism con-

sisting of a wick-holder provided with a screw-threaded end, and an operating stem or handle consisting of a screw-threaded body for connection with the counterpart end of said wick-holder, provided with a connecting-stem projecting through said opening in the reservoir and constructed in an elliptical or loop-like form to act elastically against the sides of said opening, substantially as described, and for the purpose set forth.

2. The combination, with the body or reservoir of a lamp, provided with an opening therein, of a wick-operating mechanism consisting of a wick-holder provided with a screw-threaded end, and an operating stem or handle consisting of a screw-threaded body for connection with the counterpart end of said wick-holder, provided with a connecting-stem projecting through said opening in the reservoir, substantially as described, and for the purpose set forth.

WILLIAM S. McLEWEE.

Witnesses:
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ANNIE L. HAYES.