

E. S. DRAKE.
Lamp.

No. 220,706.

Patented Oct. 21, 1879.

Fig. 1.

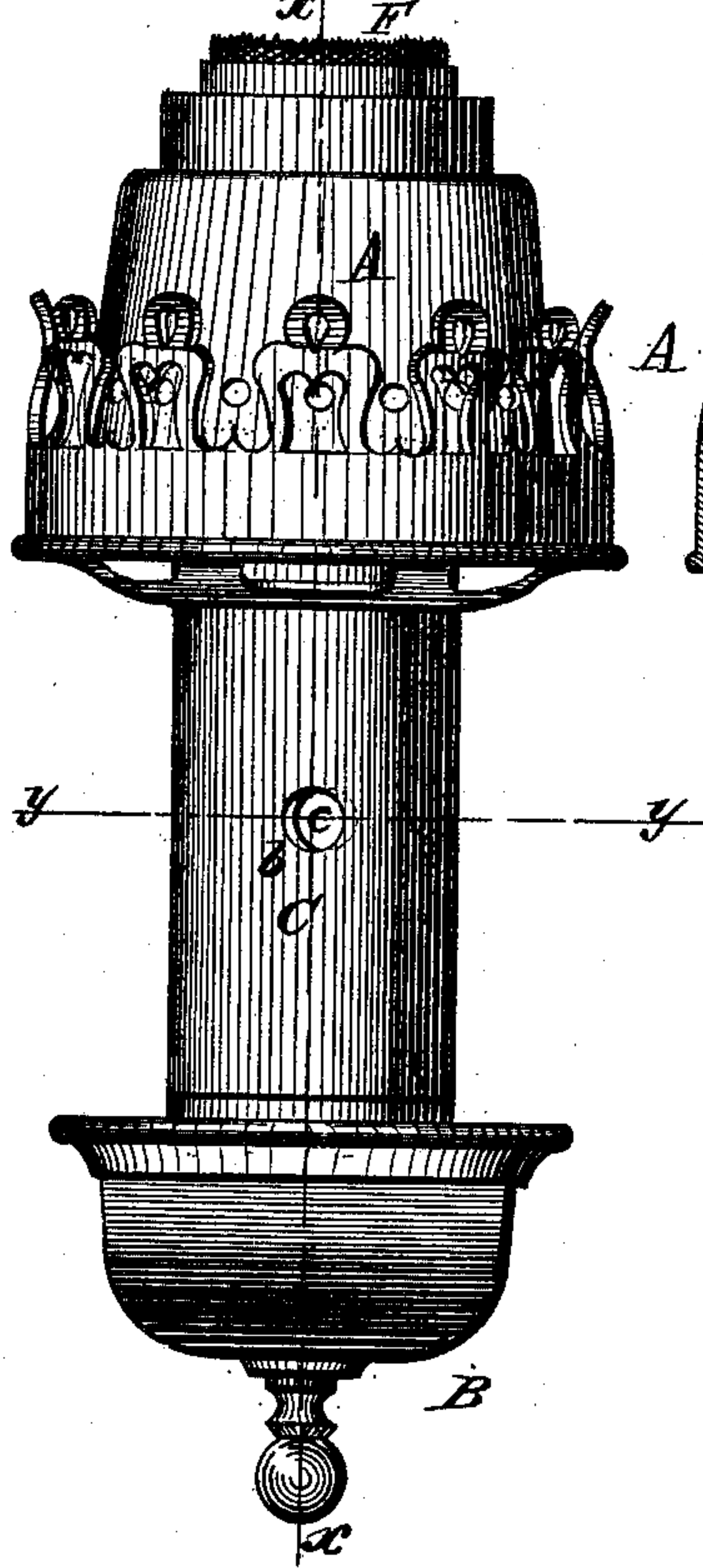


Fig. 2.

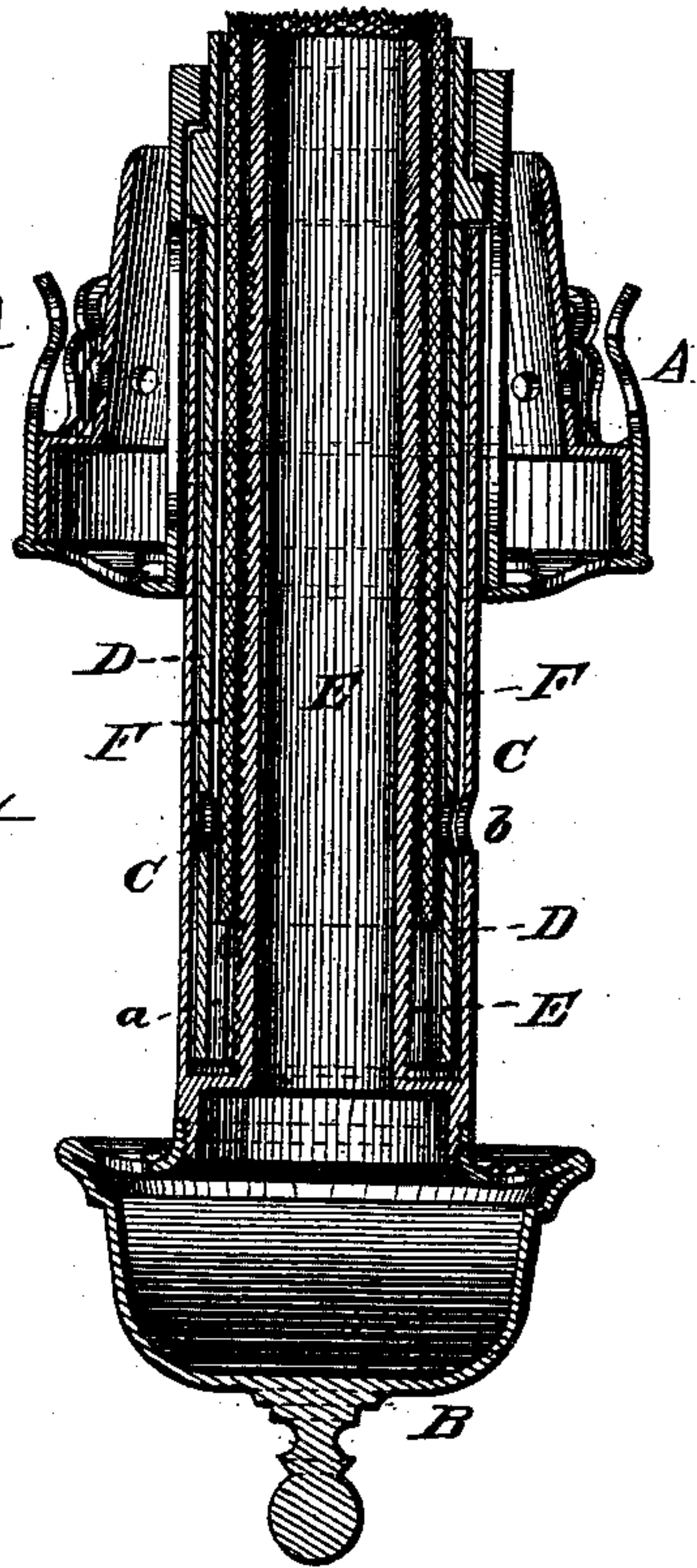


Fig. 3.

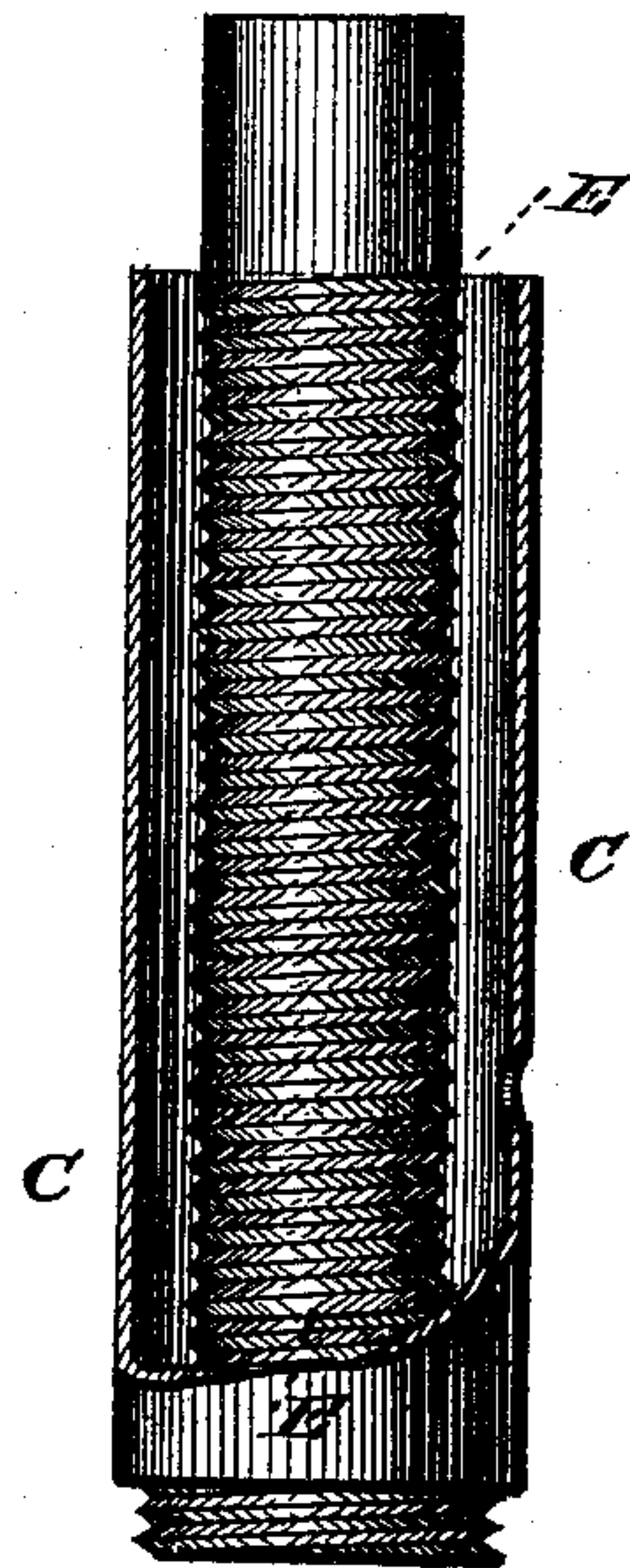


Fig. 4.

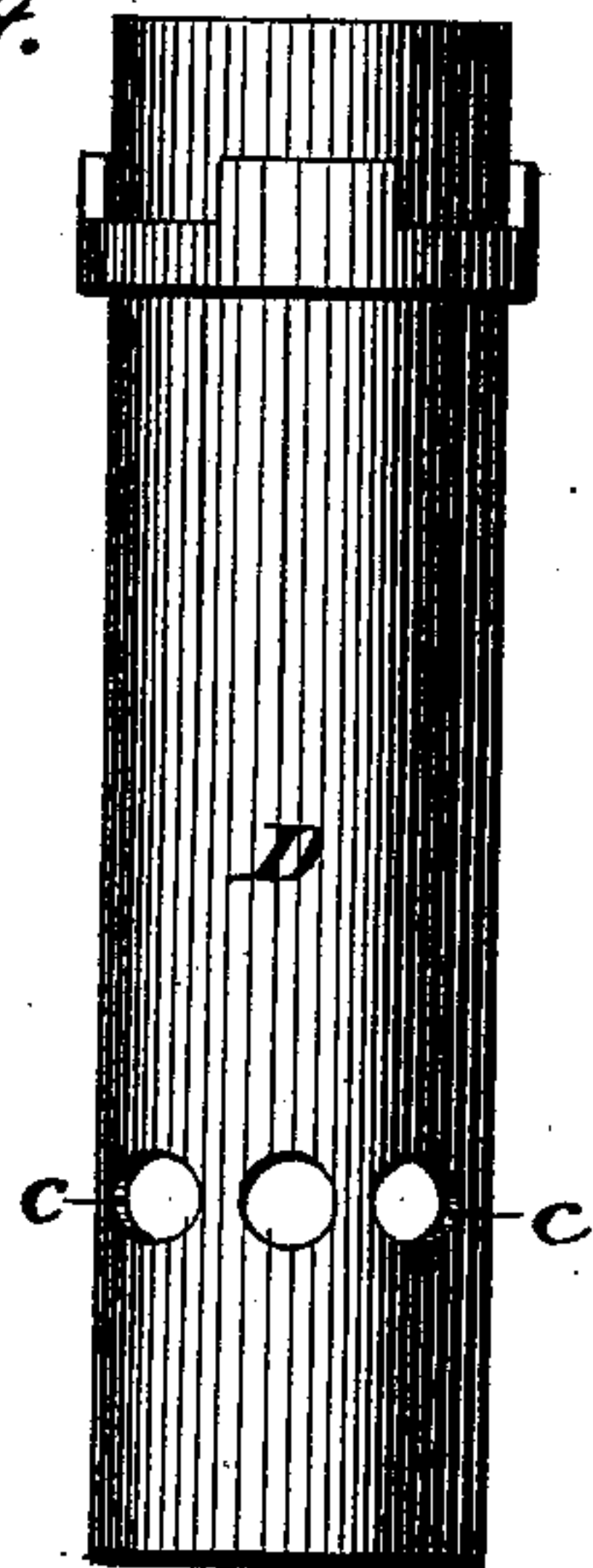


Fig. 5.

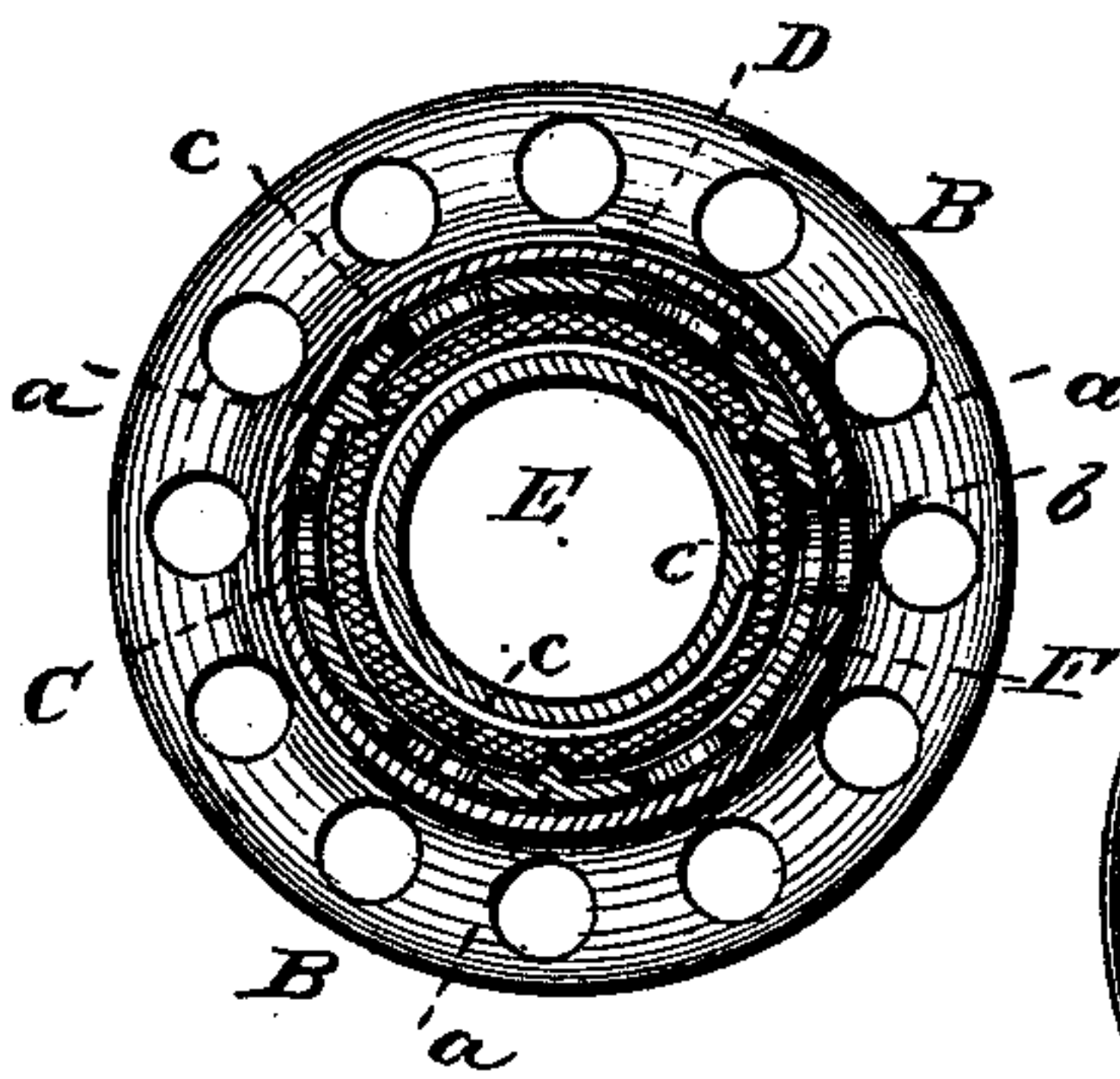


Fig. 7.

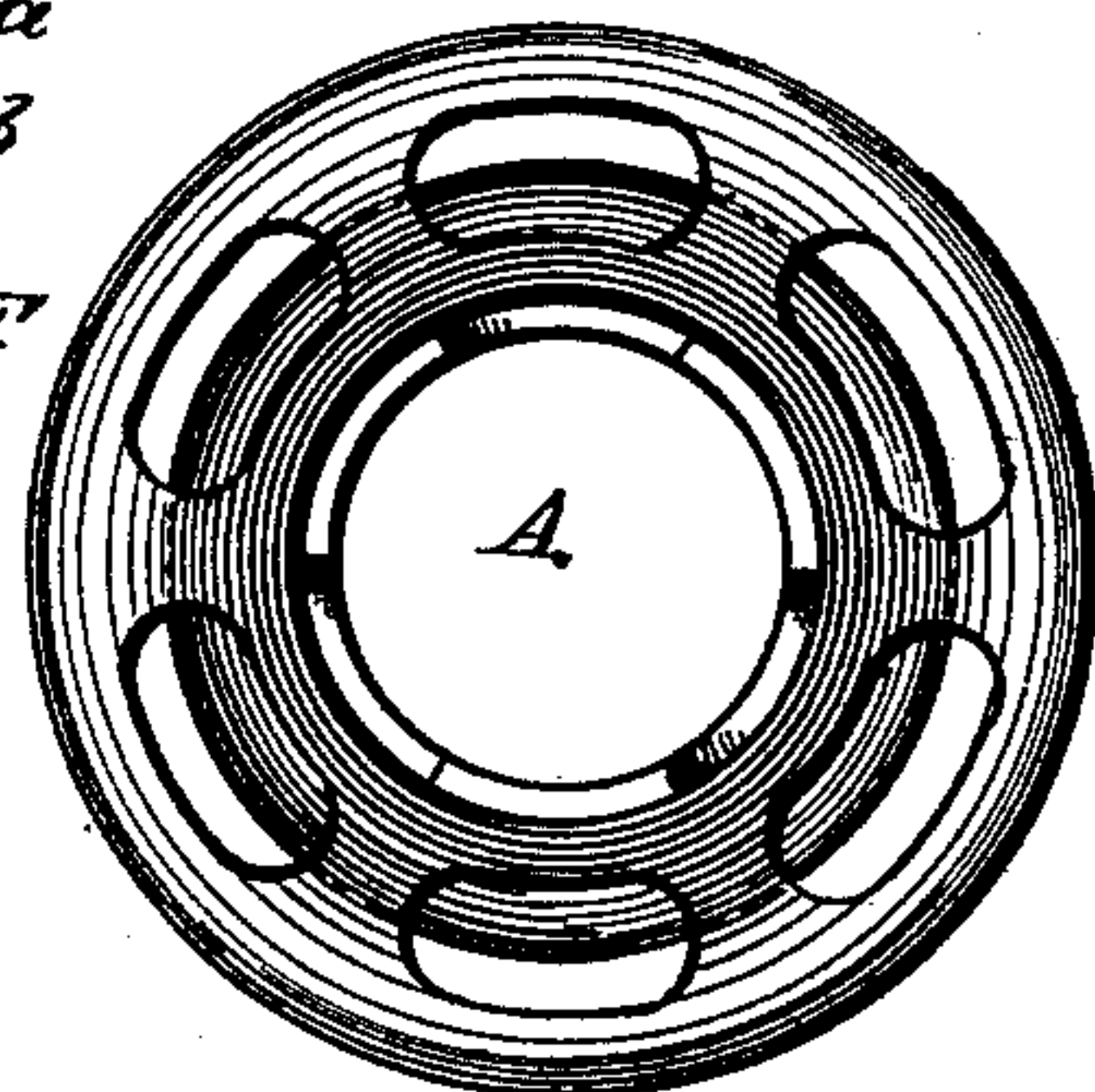
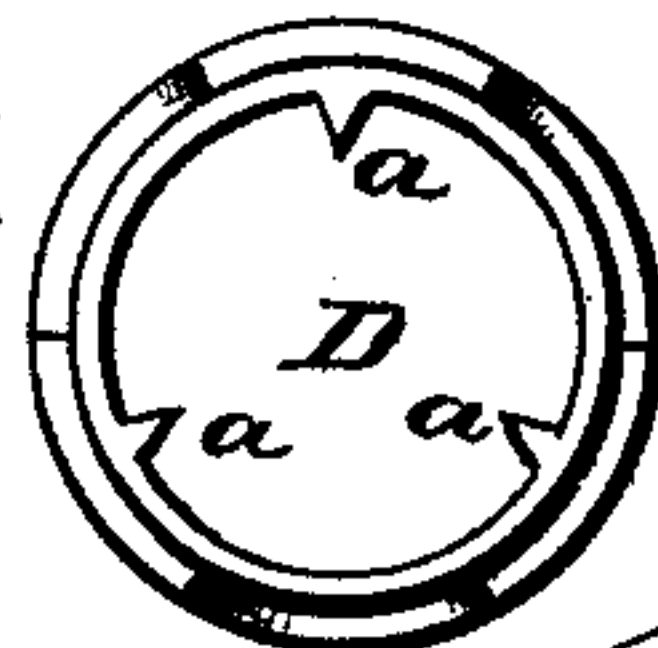


Fig. 6.



Witnesses:

P. C. Dieterich
Frank H. Duffy

Inventor

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UNITED STATES PATENT OFFICE.

EDWIN S. DRAKE, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 220,706, dated October 21, 1879; application filed March 21, 1879.

To all whom it may concern:

Be it known that I, EDWIN S. DRAKE, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Lamps; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 the letters of reference marked thereon, which form a part of this specification.

In the annexed drawings, which fully illustrate my invention, Figure 1 is a side elevation. Fig. 2 is a central vertical section taken on line *x x*, Fig. 1. Fig. 3 is a side elevation of the wick-tube, partly broken away, showing the inner threaded portion. Fig. 4 is a side elevation of the auxiliary wick-tube. Fig. 5 is a transverse section taken on line *y y*, Fig. 1. Fig. 6 is a plan view of the auxiliary wick-tube, and Fig. 7 is a bottom view of the chimney-holder.

This invention relates to a device for raising and lowering a wick for a lamp, and has for its object to improve the construction of the same; and it consists in providing one portion of the wick-tube with a screw, and another with a rib or projection, or ribs and projections, the tube containing the screw having an enlargement above the screw, extending out on a line with the outer portion of the screw-threads, as will hereinafter be more fully described.

A represents the burner and chimney-holder, which engages with the central tube. B represents the drip-cup, and C the outer case or tube, all of which may be made in any known or desired form. D represents the central tube, which engages with the burner, and is provided on the inside with rib or ribs *a*. E represents the inner tube, which is provided on its outer side with a male screw, and F represents the wick, which is interposed between the tubes D and E.

The projections or ribs *a* on the inner portion of the tube D press the wick F against the male screw upon the tube E, by which means the wick can be raised and lowered by turning the burner A, which connects with the tube D, or by any other device which may be

connected with the tube D, so as to allow the said tube to be turned; or the tube D may be arranged stationary, and the tube E, having a screw-thread, may be arranged to turn, which would have the same effect of raising and lowering the wick; and, if desired, the screw-thread may be placed on the tube D, and the ribs or projections *a* placed on the tube E.

The upper portion of the tube E, where it fits within the burner, is flush upon its outer side with the outer portions of the screw-threads, so that the wick is held closely to the burner. The openings *d* in the outer tube, C, and the openings *c* in the tube D, registering, as they do, with each other, are for the purpose of allowing the oil to be transmitted to the wick by any known or desired means of connection with a fount.

By the enlargement of the interior tube at its top to a size corresponding with the full size of the screw, a wick-tube is formed, inclosing the wick closely, and permitting no flow of oil past the wick upon the tilting of the lamp.

I am aware that there has been a screw-thread upon one tube and ribs upon another tube, between which the wick is placed and moved by the rotation of one of the tubes, and I do not therefore claim such as my invention; but,

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a lamp, a tube provided with a screw-thread extending nearly to the top thereof, the tube being provided above the thread with an enlargement corresponding with the outer portions of the screw-threads, in combination with another tube provided with ribs or projections and a wick, whereby the space between the upper portions of the tubes is contracted to make a perfect chamber for the wick, as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EDWIN S. DRAKE.

Witnesses:

C. H. WATSON,
H. W. HALL.