

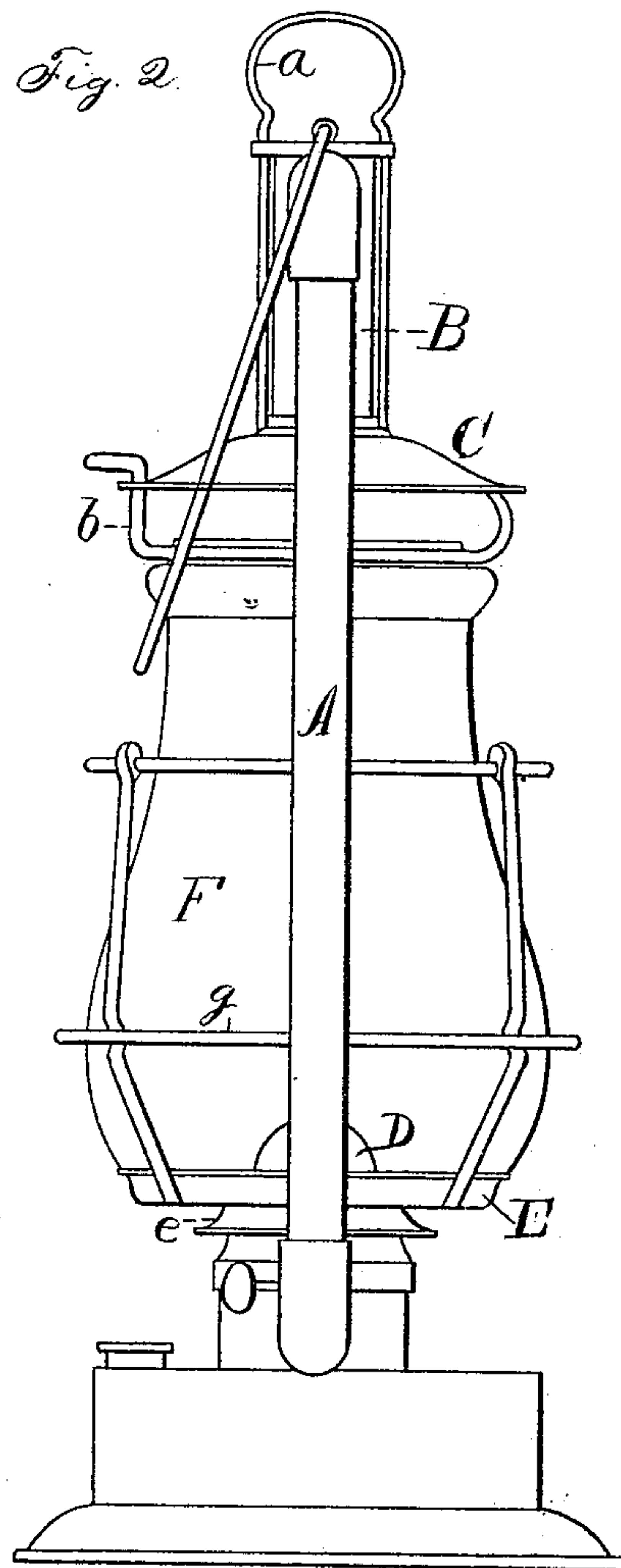
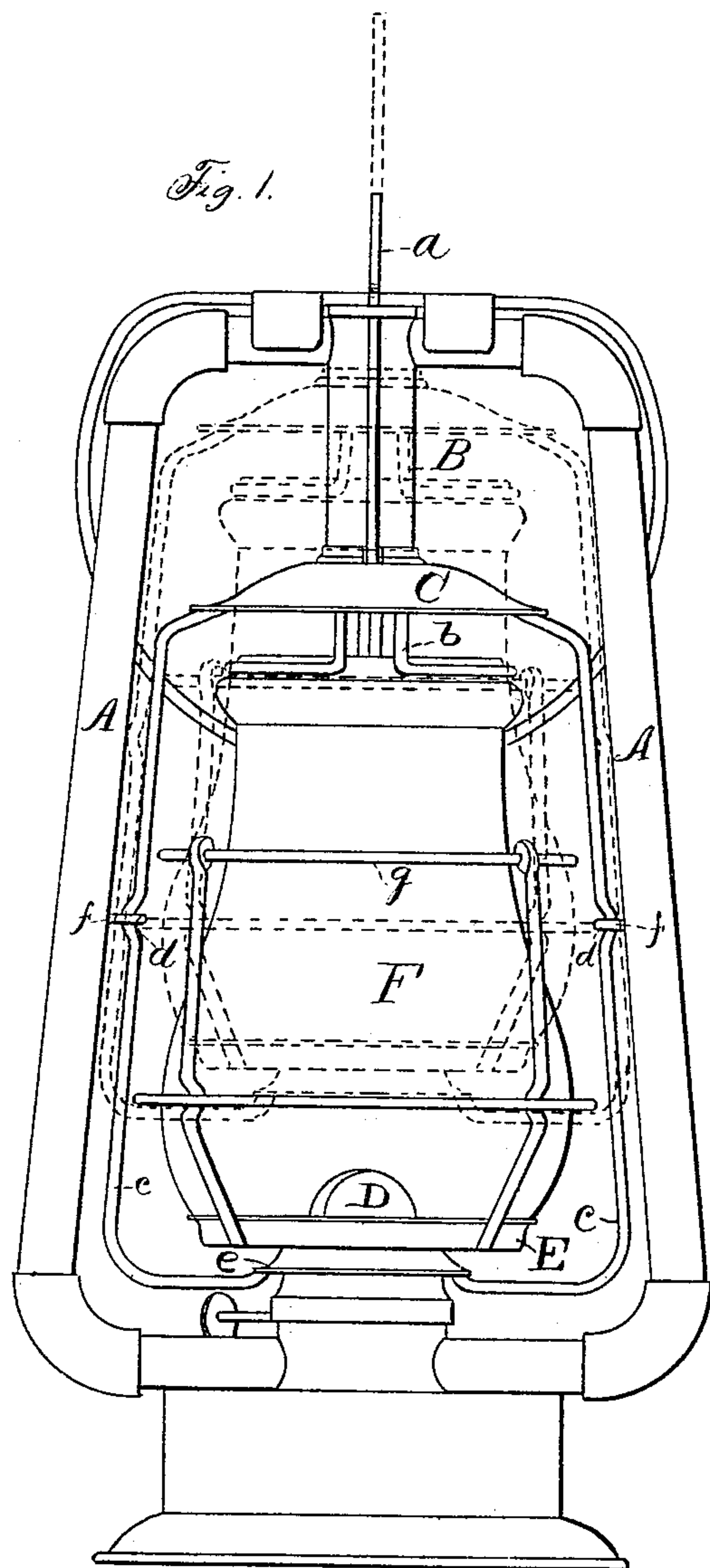
(No Model.)

F. DIETZ.

LANTERN.

No. 273,711.

Patented Mar. 13, 1883.



Witnesses.
John Edwards, Jr.
Wm. Morey, Jr.

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UNITED STATES PATENT OFFICE.

FREDERICK DIETZ, OF NEW YORK, N. Y.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 273,711, dated March 13, 1883.

Application filed October 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK DIETZ, of the city, county, and State of New York, have invented certain new and useful Improvements in Lanterns, of which the following is a specification.

The invention relates to that class of lanterns known as the "tubular" lantern.

The object of my invention is to facilitate the filling, trimming, lighting, and extinguishing the lantern. I attain these objects by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of my lantern, and Fig. 2 a side elevation of the same.

In the drawings, A A designate the usual side draft-tubes of the tubular frame, B the central tube, and C the bell-top. This top I fit to slide up and down upon the tube B, and provide it with a suitable lifter or handle, *a*. To the under side of this bell-top C, I attach the ordinary spring, *b*, for holding the upper end of the globe in place in the ordinary manner, and also a vertically-sliding globe-supporting frame, consisting of two side wires, *cc*, having short curves or indentures *d d*, and the seat *e*, for encircling the burner-cone D and for the usual perforated air-plate, E, to rest upon. Surrounding the side wires of the globe-supporting frame, and secured to the side draft-tubes A A, are the eyes or loops *ff*, so placed thereon relatively to the indentures in the side wires that they engage therewith to hold the globe-supporting frame down in place when the parts are in the position represented by full lines in Fig. 1.

I prefer to secure the guard *g* to the perforated air-plate E as shown; but it may be attached in any other manner, or omitted, if desired.

The globe F is placed upon the perforated air-plate E. Said plate is then placed on the seat *e*, and secured by the spring *b* to hold it within the globe-supporting frame. The ring-shaped seat *e* is small enough to allow the perforated air-plate to rock thereon while the globe is being inserted or removed.

By lifting upon the lifter or handle *a* the bell-top, globe-supporting frame, perforated air-plate, and the globe may be raised into the position indicated by broken lines in Fig. 1 for convenience in the trimming, lighting, &c., of the lantern. In thus raising the globe, &c., the side wires, *cc*, yield a little to allow the indented portions and the loops to disengage; but these wires should be stiff enough to prevent the seat *e* from being liable to be raised off from the burner-cone except by design.

The plate-seat *e* and the globe-guard attached to the perforated plate are shown, described, and claimed in another application of mine, and consequently are hereby disclaimed.

I claim as my invention—

1. In a tubular lantern, the combination of the vertically-sliding globe-supporting frame having the indentures in its side wires and the side draft-tubes having the loops or eyes, substantially as described, and for the purpose specified.

2. In a tubular lantern, the combination of the tubular frame, the sliding bell-top, and the vertically-sliding globe-supporting frame having the seat for the perforated air-plate, substantially as described, and for the purpose specified.

FREDERICK DIETZ.

Witnesses:

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