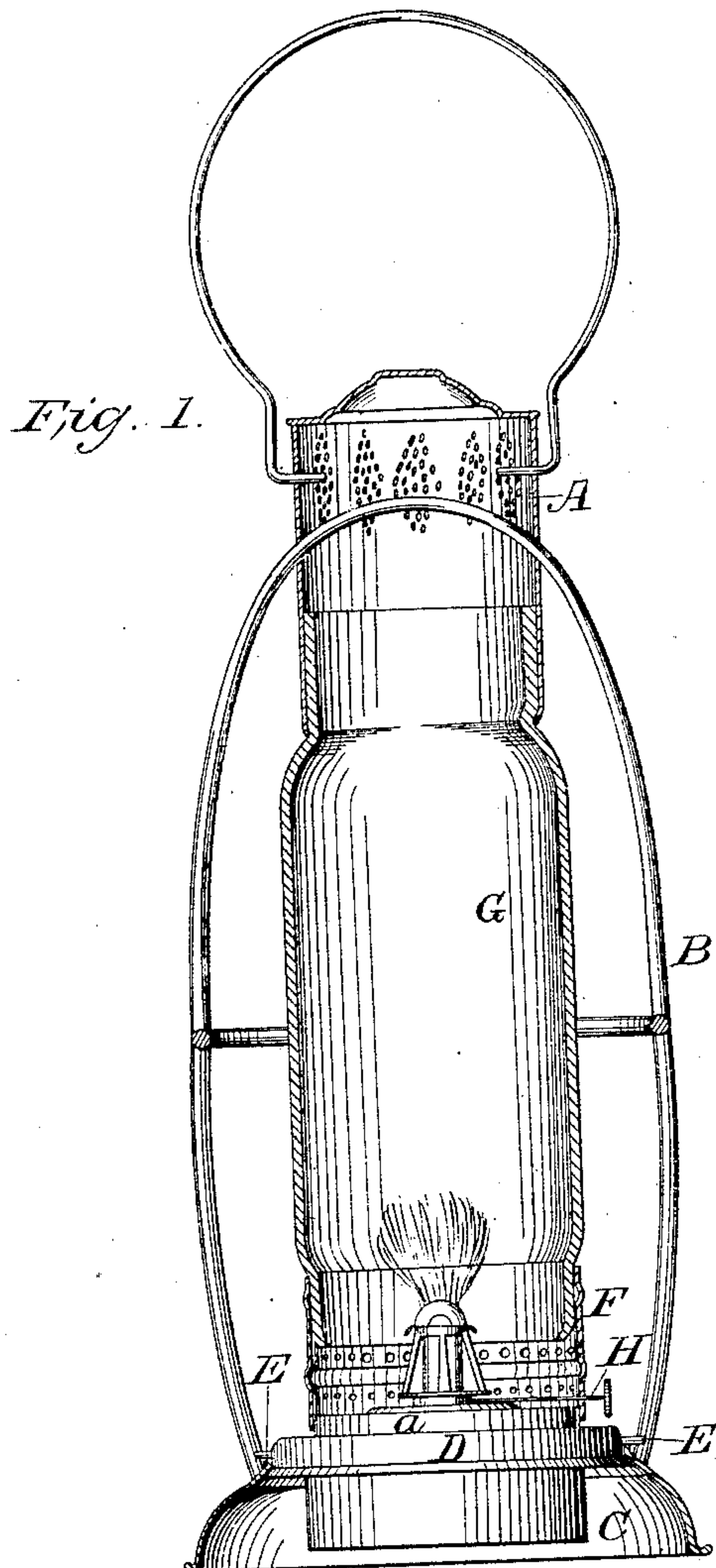


L. F. BETTS.

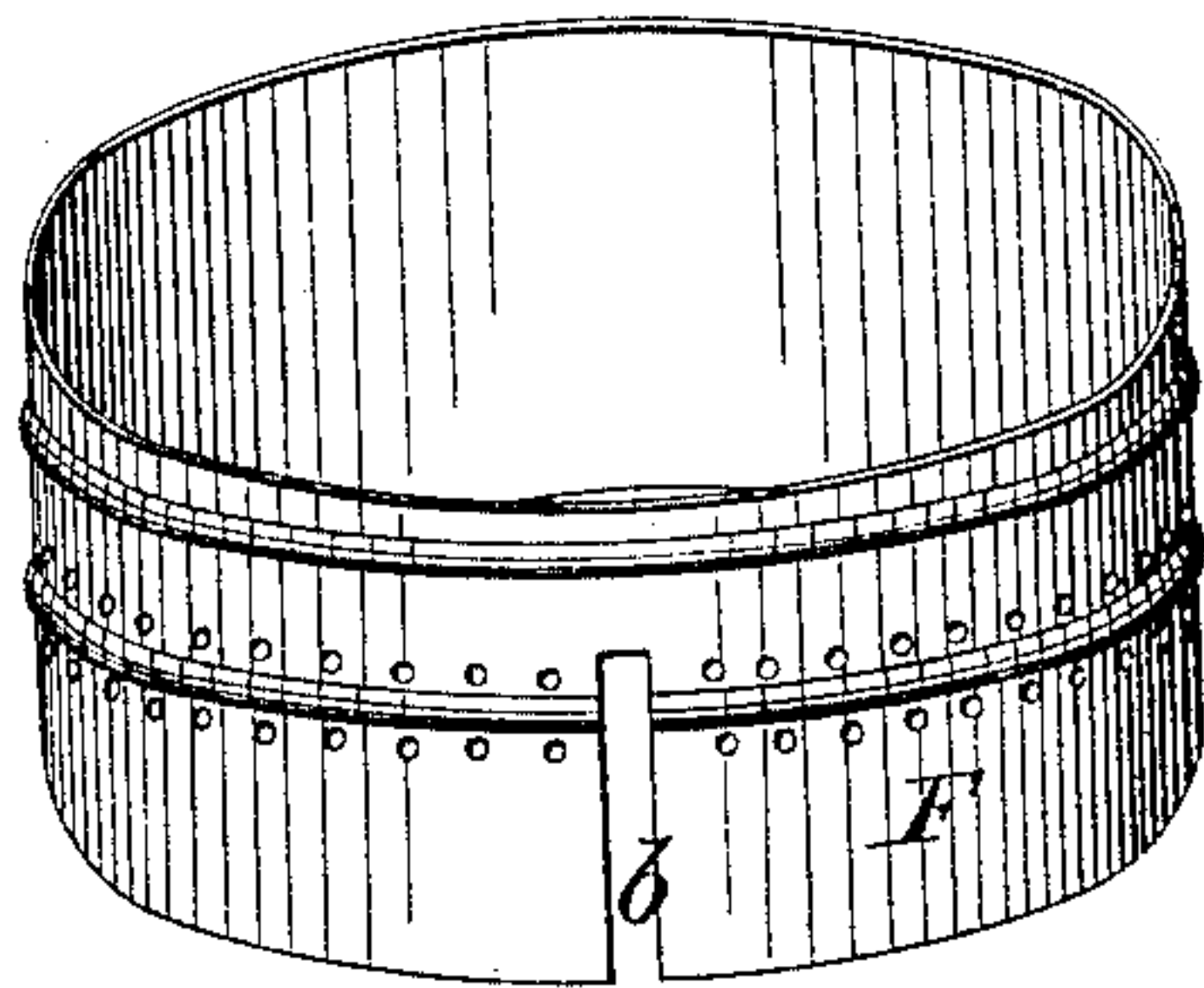
LANTERN.

No. 59,705.

Patented Nov. 13, 1866.



*Fig. 2.*



*Witnesses:*

*J. A. Jackson*  
*Wm. Spurr*

*Inventor:*

*Lewis F. Betts*  
*Per M. M. M. & Co.*  
*Attorneys*

# UNITED STATES PATENT OFFICE.

LEWIS F. BETTS, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND L. G. HUNTINGTON, OF SAME PLACE.

## IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. 59,705, dated November 13, 1866.

*To all whom it may concern:*

Be it known that I, LEWIS F. BETTS, of the city, county, and State of New York, have invented a new and useful Improvement in Lanterns; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical central section of my invention; Fig. 2, a detached perspective view of a band pertaining to the same.

Similar letters of reference indicate like parts.

This invention relates to a new and useful improvement in that class of lanterns which are more especially designed for being used with a coal-oil lamp, and will admit of the glass globe being detached whenever required for cleaning purposes, or when broken or cracked, so that a new one may be adjusted in its place.

The invention consists of a detachable metallic band fitted on the lower end of the glass globe and on the lamp, as hereinafter fully shown and described, whereby the lamp may be provided with a wheel shaft or rod of sufficient length to extend through a slot in the band aforesaid and admit of the wick being raised or lowered without detaching the lamp from the lantern, and also admit of the globe being detached from the lantern and readily adjusted therein.

A represents the metallic top portion or cap of the lantern; B, the guards, and C an annular metallic base attached to the lower ends of

the guards. D represents the lamp, which is secured within the annular base C by spring-catches E E, arranged in any proper manner.

The top of the lamp is formed with a circular ledge, *a*, over which the lower edge of a metallic band, F, fits, said band being on the lower end of the glass globe G, and is simply fitted thereon and retained in place by friction only. This band has a vertical slot, *b*, made in it, to admit of the wheel shaft or rod H passing up into the band and extending beyond it. The wick of the lamp is raised and lowered by turning this rod, the latter having a serrated wheel upon it, which engages with the wick. This wick-adjusting mechanism is the same as that in common use, and therefore does not require a minute description.

From the above description it will be seen that the band F may be turned so that the slot *b* may be adjusted or brought to any point to coincide with the rod H, so that there can be no difficulty in adjusting the lamp in the lantern. This band can be readily withdrawn from the globe.

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

The loose or detachable band F, arranged in connection with the globe G, the annular base C, and the lamp D, substantially as shown and described.

LEWIS F. BETTS.

Witnesses:

WM. TREWIN,  
A. TANNER.