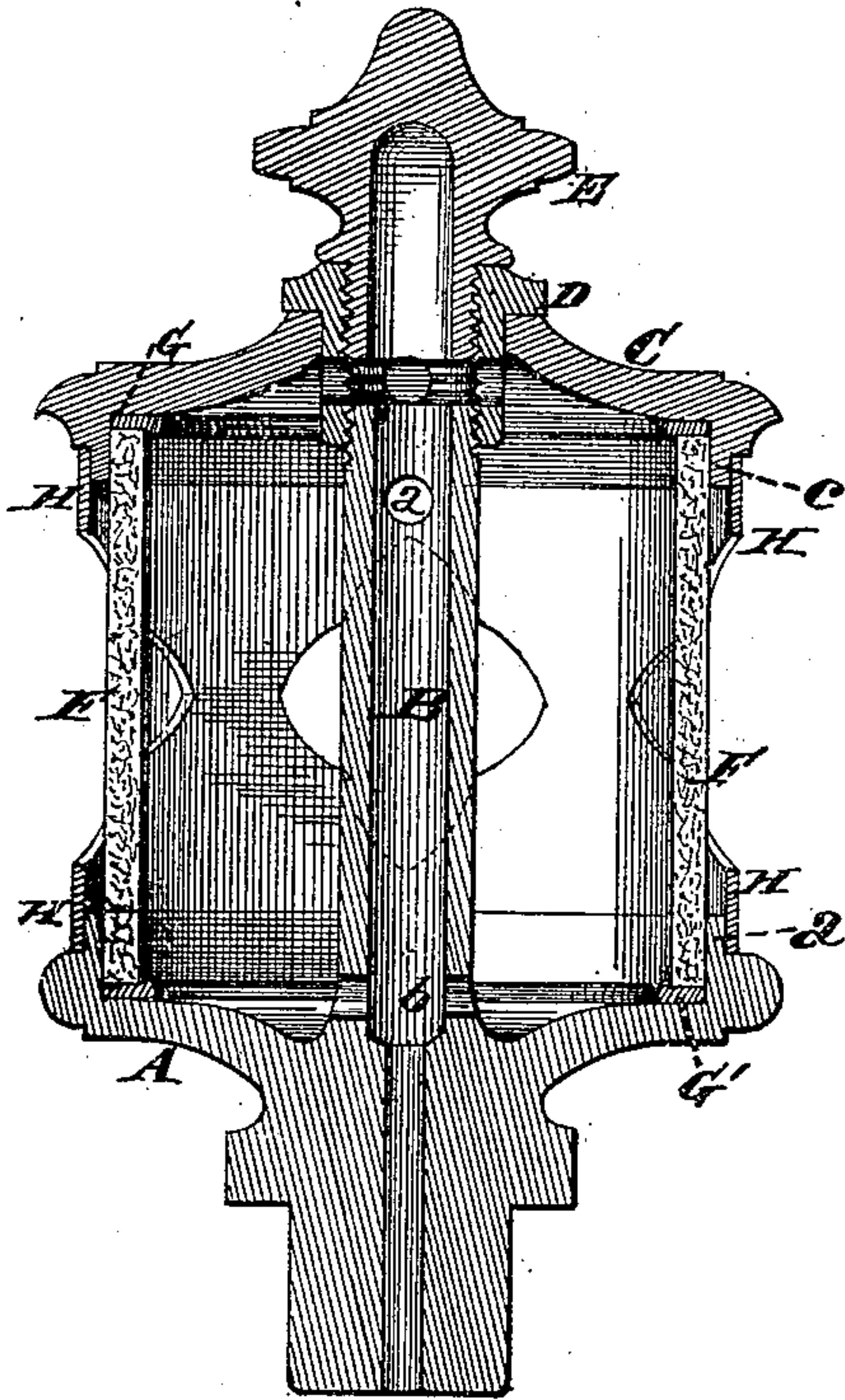


F. LUNKENHEIMER.

LUBRICATOR.

No. 175,570.

Patented April 4, 1876.



Attest

*Edgar J. Gross*

*John E. Jones*

Inventor

*F. Lunkenhimer*

*By F. Millward*  
*att'y*

# UNITED STATES PATENT OFFICE

FREDERICK LUNKENHEIMER, OF CINCINNATI, OHIO.

## IMPROVEMENT IN LUBRICATORS.

Specification forming part of Letters Patent No. 175,570, dated April 4, 1876; application filed February 2, 1876.

*To all whom it may concern :*

Be it known that I, FREDERICK LUNKENHEIMER, of Cincinnati, Hamilton county and State of Ohio, have invented an Improvement in Lubricators, of which the following is a specification :

My invention is designed to be applied to lubricators having glass shells or cases and exterior perforated metallic shields; and my invention consists in fitting the shield to the case in such a manner that it will revolve freely, for the purpose of facilitating the cleaning of the glass, the shield being also of such construction that a space will be left between itself and the glass, to permit the shield to materially give way under a blow without imparting any pressure to the glass.

The accompanying drawing is a vertical section of a lubricator embodying my invention.

A is the bottom of the cup, and B the hollow stem which supplies the oil to the cup through the apertures *b*. C is the top of the cup; D, a collared perforated nut to secure it in place, and E the plug which closes the feed-aperture in the nut D. Both the top C and the bottom A have annular flanges *c a*, which surround the glass shell F, which is confined by the nut D between the gaskets G G', and these same flanges *c a* form, upon their exterior surfaces, circular rests and guides, upon which the guard H fits and rotates. It has shown perforations through which the glass may be cleaned, the rotation of the guard giving every convenience for the cleaning of the glass all around.

The glass F being inside of the annular flanges or rims *c a*, and the shield or guard H outside thereof, an annular space is left between the guard and glass, to permit the shield to receive accidental blows or indentations without affecting the glass.

It will be readily seen that the shield is easily detachable, so that the lubricator can be used either with or without it.

The revolving feature of the perforated shell affords a particular advantage in the rapidity and ease with which the glass reservoir may be cleaned all around. To do this it is only necessary to stuff a little cotton waste or a rag into one of the openings in the metallic shell, and then to revolve the shell around the glass reservoir back and forth, applying a little pressure to the cotton waste with one finger. Were the shell stationary it would be necessary to clean the glass through each opening separately, which would not only be an awkward operation, but also consume considerable time in doing it.

I claim—

A lubricator having a glass shell and a perforated metallic shield or guard therefor, adapted to rotate about the glass, and separated therefrom by an annular space, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

FREDERICK LUNKENHEIMER.

Witnesses:

JOHN E. JONES,  
F. MILLWARD.