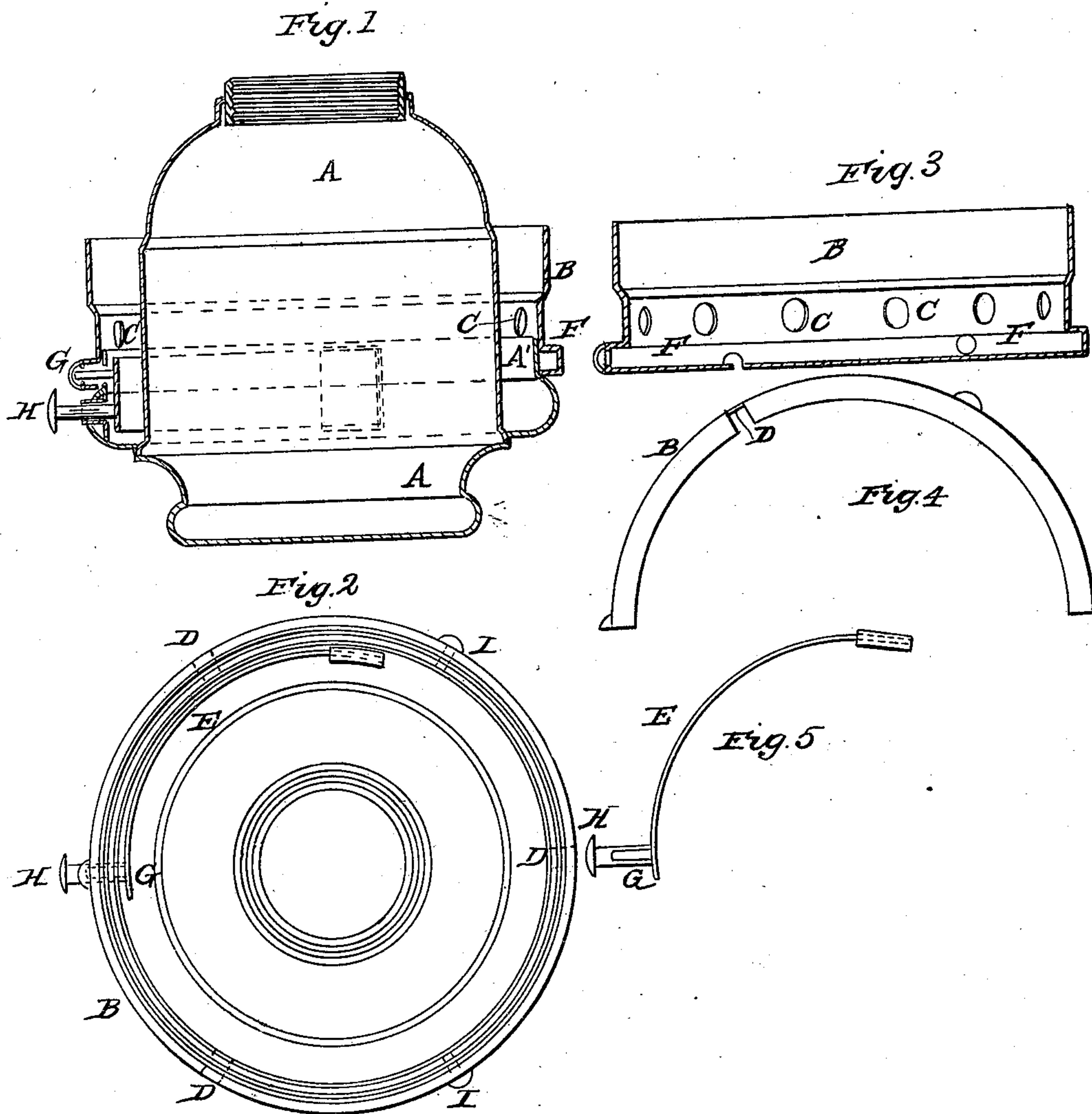


C. WILHELM.

Lamp.

No. 52,480.

Patented Feb. 6, 1866.



witnesses  
J. L. Hare  
Chas. B. Gelfenstein

Inventor  
Charles Wilhelm

# UNITED STATES PATENT OFFICE.

CHARLES WILHELM, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 52,480, dated February 6, 1866.

*To all whom it may concern:*

Be it known that I, CHARLES WILHELM, of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Lamps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a section of a lamp; Fig. 2, a plan; Fig. 3, an elevation of a part detached; Fig. 4, a bottom view of one-half of the same part; Fig. 5, a view of the spring detached.

In the drawings, A is the body of the lamp. B is a ring surrounding it, having its lower edge turned so as to form a groove, F, around the bottom of it, and having numerous apertures, C, for the admission of air to the flame, and having also two, three, or more notches, D, in the lowermost face of the groove F.

E is a spring fastened at one end to the inside of that part of the body of the lamp marked A'. The other end of the spring has a pin, G, working through a small slot in the part A', as shown. Another pin, H, works through the part A' against the spring E. By pressing on the pin H the spring is forced from the side of A'.

The ring B has several recesses, I, each formed by putting a cap over a hole in the ring.

The part A' of the body of the lamp has pins thereon corresponding in number and distance apart with the notches D.

This improvement is designed more especially for lamps where the ring B is stationary, as in railroad-cars.

To remove the body of the lamp from the ring it is only necessary to press on the spring E, releasing the pin H from the recess I, then turning the lamp until the pin H comes in line with one of the apertures, D, of the ring, the lamp may be removed. To facilitate this operation the pins on the part A' and the notches in the ring are made to correspond, so that when any pin is in line with any aperture each of the pins is in line with its corresponding aperture.

To replace the lamp in the ring the action last described has only to be reversed.

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

The spring E when fastened to the body of the lamp and arranged in combination with the notched ring B, substantially in the manner and for the purpose described.

CHARLES WILHELM.

Witnesses:

JOHN E. SHAW,

CHAS. B. HELFENSTEIN.