

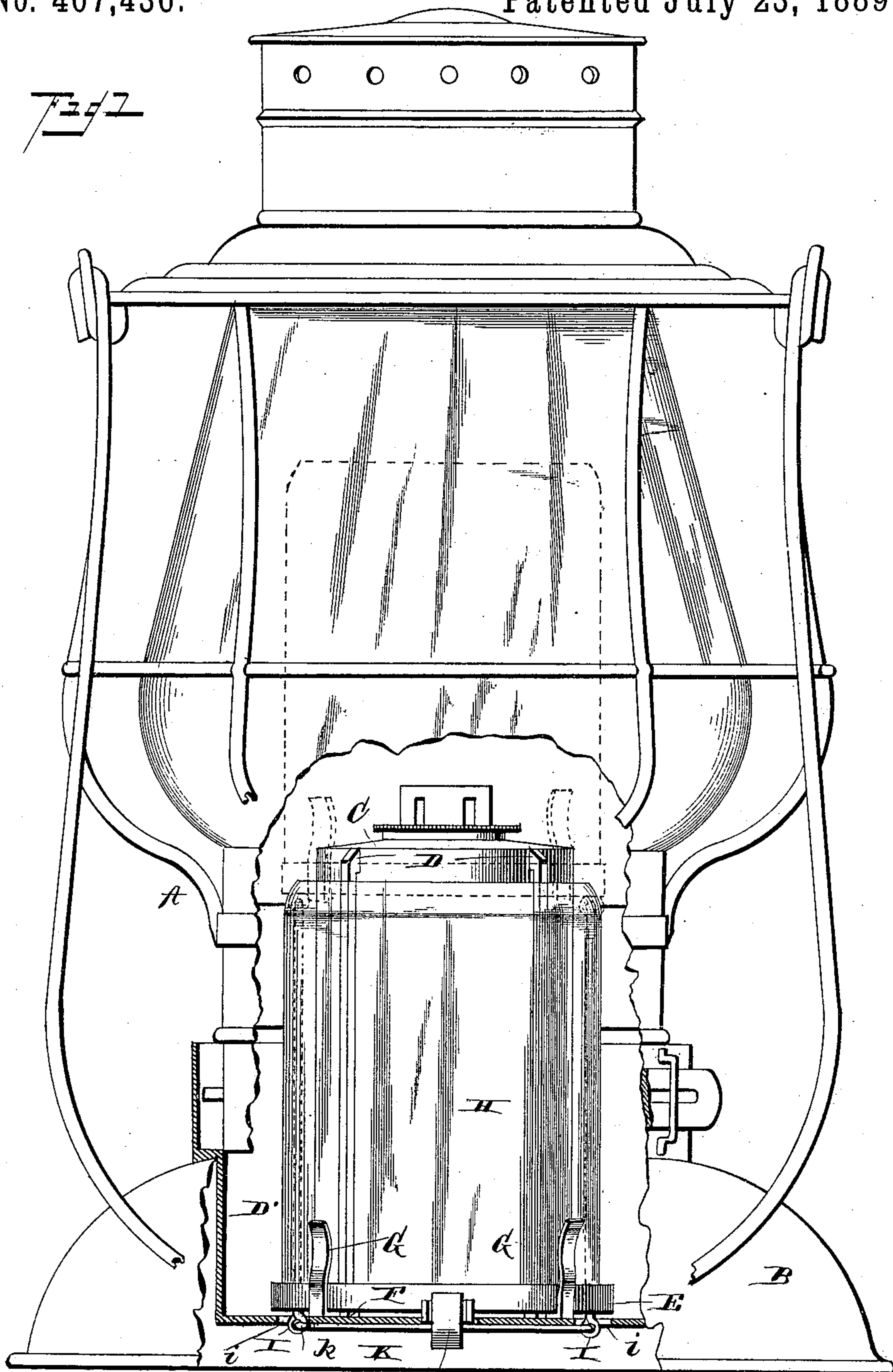
(No Model.)

2 Sheets—Sheet 1.

A. R. GIBSON.  
SIGNAL LANTERN.

No. 407,436.

Patented July 23, 1889.



Witnesses

*John Imirie*  
*O. L. Day*

Inventor

*A. R. Gibson*

By his Attorneys

*C. A. Snow & Co*

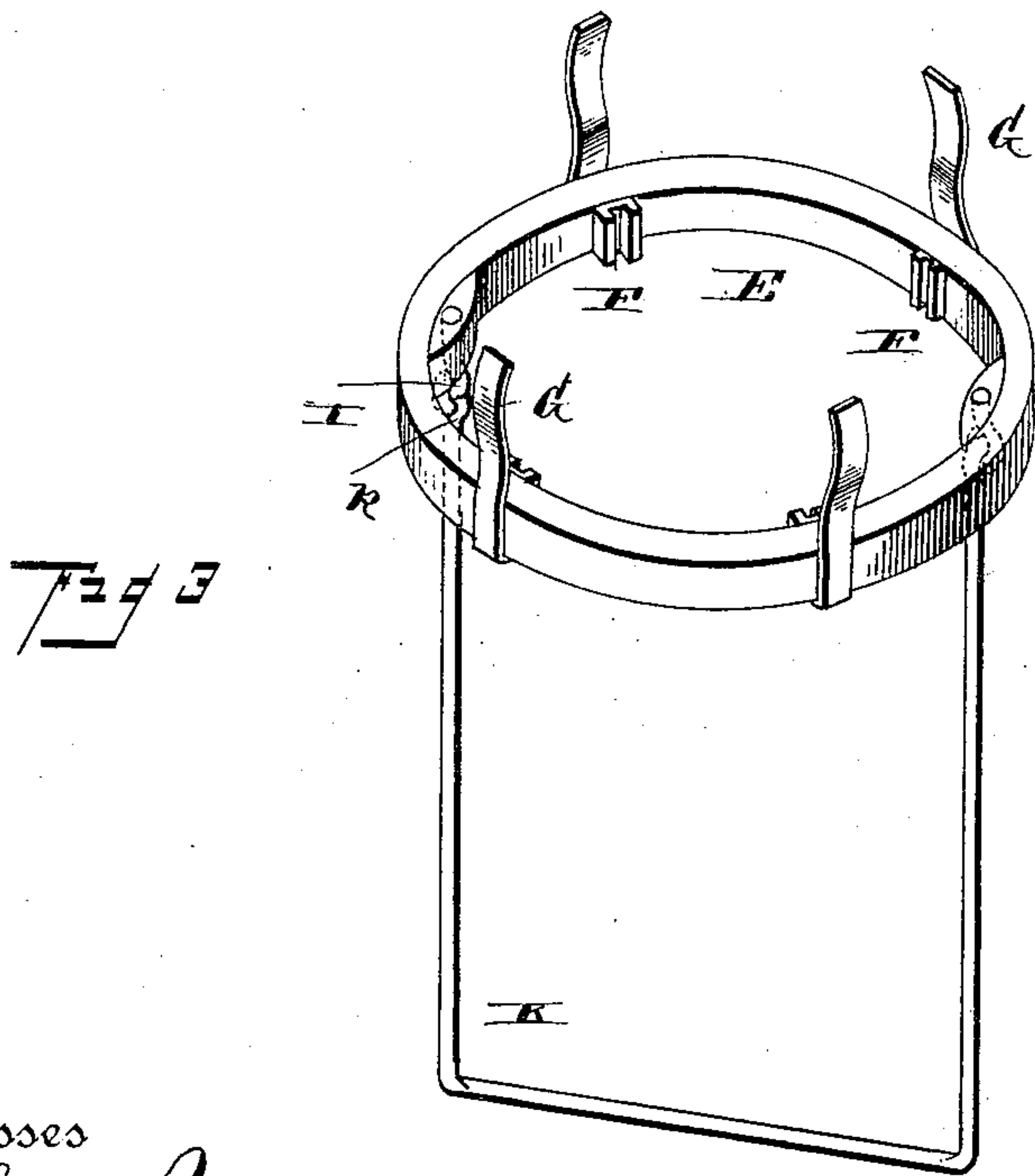
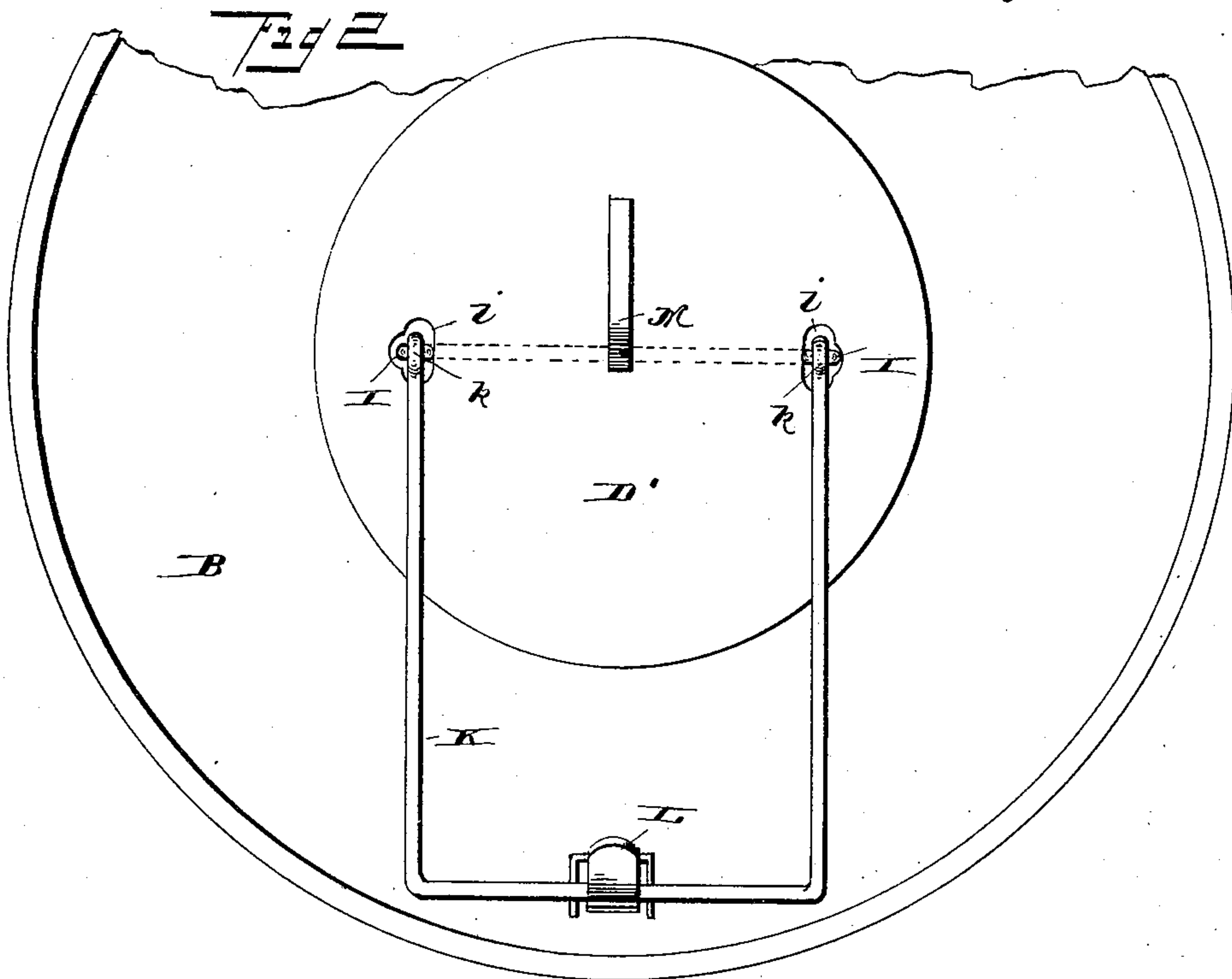
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# UNITED STATES PATENT OFFICE.

ADELBERT R. GIBSON, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO THE BUCKEYE CAR SEAL AND MANUFACTURING COMPANY, OF SAME PLACE.

## SIGNAL-LANTERN.

SPECIFICATION forming part of Letters Patent No. 407,436, dated July 23, 1889.

Application filed January 29, 1889. Serial No. 297,972. (No model.)

*To all whom it may concern:*

Be it known that I, ADELBERT R. GIBSON, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Signal-Lanterns, of which the following is a specification.

The invention relates to improvements in signal-lanterns; and it consists in a certain novel construction and combination of devices, fully described hereinafter in connection with the accompanying drawings, and specifically pointed out in the appended claims.

In the drawings, Figure 1 is a side view, partly in section, of a lantern embodying my invention. Fig. 2 is a bottom plan view of the same. Fig. 3 is a detail view of the movable ring and bail detached from the lantern.

Referring by letter to the drawings, A designates the body of the improved lantern, and B the removable bottom, which is attached to the body in any approved manner. The oil-cup C is affixed at its bottom to the center of the base, and to its sides are attached the vertical guide-bars D D, which are out of contact with the sides of the oil-cup throughout their length. The oil-cup is surrounded by an annular receiver or well D', which is formed rigid with the base of the lantern.

E represents a movable ring of larger circumference than the oil-cup and surrounding the same, and it is provided at suitable intervals on its inner side with the grooved slides F F, which fit on the guide-bars D D. This ring is provided with the vertical spring-clips G G to engage the colored-glass globe H, the upper edge of which is slightly turned inward; but the opening at the top of the said globe is of sufficient size to enable it to be drawn down around the oil-cup without coming in contact therewith, as shown in full lines in Fig. 1. The ring is further provided on its under side at diametrically-opposite points with the depending eyes I I, which, when the ring is drawn down, as above mentioned, project through apertures *i i* in the base, and K represents a swinging bail having eyes *k k* on the free ends of its sides,

which engage the eyes on the ring E. When the sliding ring is in its lowered position, the bail is arranged horizontally against the base of the lantern and is engaged at its free or closed end on a spring-catch L, which is attached to the said base, and when the said ring is raised, as shown in dotted lines in Fig. 1, the lower or closed end of the bail is engaged with a small spring-hook M, which is arranged at the center of the base. Thus the sliding ring is locked firmly in either its raised or lowered position, thereby obviating the danger and annoyance of having the colored globe slip out of position when adjusted. When the sliding ring is elevated, the colored globe surrounds the upper end of the wick-tube and therefore causes the lantern to throw out colored rays of light, and when the ring is lowered the globe is received in the receiver or well D' and its upper edge is arranged below the upper end of the oil-cup, as shown. Further, when lowered the globe is entirely out of contact with the oil-cup, the sides of the receiver or well, and the other parts of the lantern, and therefore it is not liable to become clouded with oil, dust, &c.

I am aware that it is not broadly new to provide lanterns with vertically-movable colored globes or cylinders in order to change from white to a colored light; but I claim the peculiar arrangement of the parts hereinbefore described, whereby the globe may be drawn down around the oil-cup and out of contact therewith, for which purpose the oil-cup is made of smaller circumference than in the ordinary lantern now in use, and the base is enlarged to form a receiver or well which incloses the globe and protects it from dust.

Having thus described the invention, I claim—

1. In a signal-lantern, the combination, with the base, of the concentric oil-cup provided on its sides with vertical guide-bars, the ring provided with the vertical clip-springs and sliding on the said guide-bars and provided with depending eyes which project through apertures in the base when the ring is lowered, and the bail provided with eyes engaging the eyes on the ring, substantially as specified.



2. In a signal-lantern, the combination, with the base and the oil-cup arranged concentrically thereon, of the vertical guide-bars D, attached to the sides of the oil-cup, the ring provided with the vertical clip-springs and surrounding the oil-cup and provided with interior grooved slides F, fitting on the said guide-bars, and the swinging bail connected to the under side of the ring and extending through apertures in the base, substantially as specified.

3. In a signal-lantern, the combination, with the base and the oil-cup, of the sliding ring provided with the vertical clip-springs, whereby it readily receives the colored globe, which is adapted when lowered to surround the oil-cup, the swinging bail connected to the under side of the ring and projecting through apertures in the base, the spring-catch L, to engage the free end of the bail when the ring is lowered, and the spring-hook M, to engage

the said bail when the ring is elevated, substantially as specified.

4. In a signal-lantern, the combination, with the body, of a removable base B, provided with central oil-cup C, and an annular receiver or well surrounding the oil-cup, the vertically-movable ring provided with the vertical clip-springs and surrounding the oil-cup and operating in the receiver or well, the colored globe affixed to the ring and adapted when the latter is lowered to be received in the receiver or well and surround the oil-cup, and the swinging bail connected to the ring, substantially as specified.

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

ADELBERT R. GIBSON.

Witnesses:

GEO. D. WALKER,  
H. R. EDWARDS.