

(No Model.)

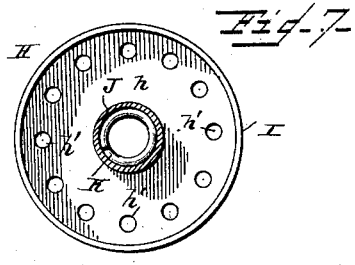
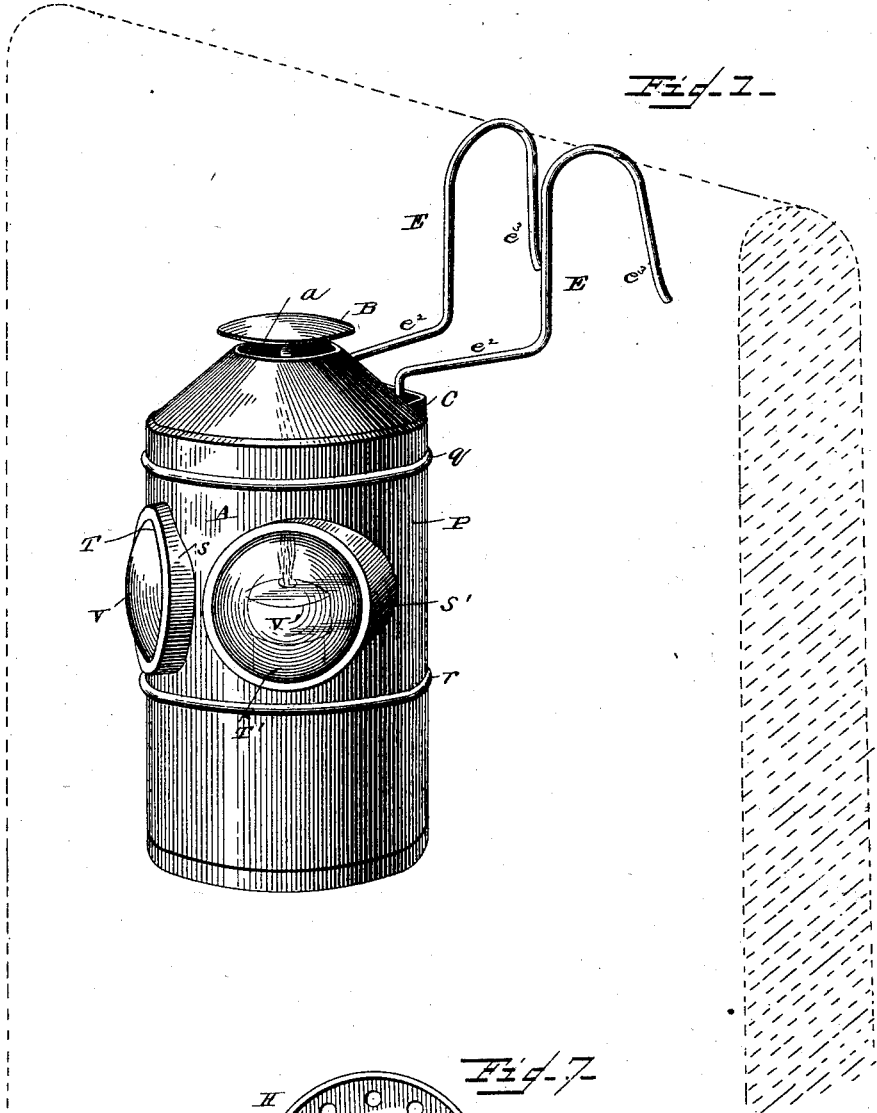
3 Sheets—Sheet 1.

W. J. REED:

LANTERN.

No. 363,679.

Patented May 24, 1887.



Witnesses
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(No Model.)

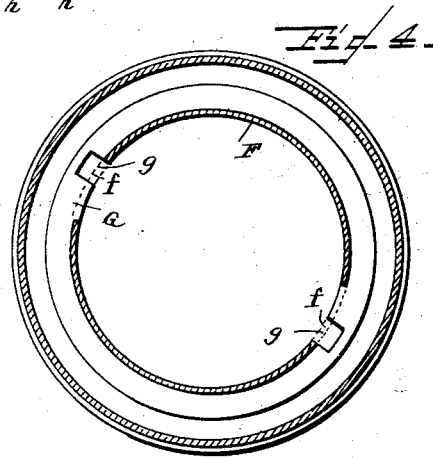
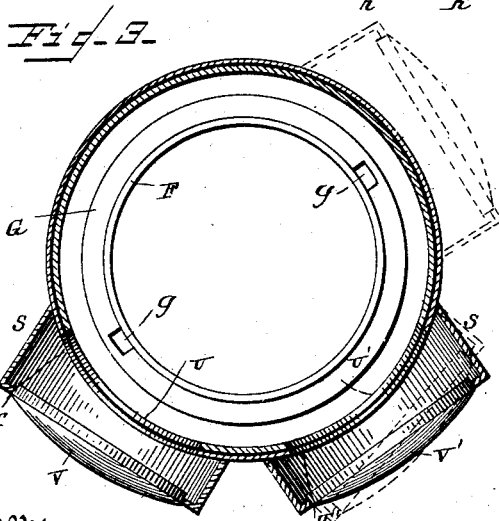
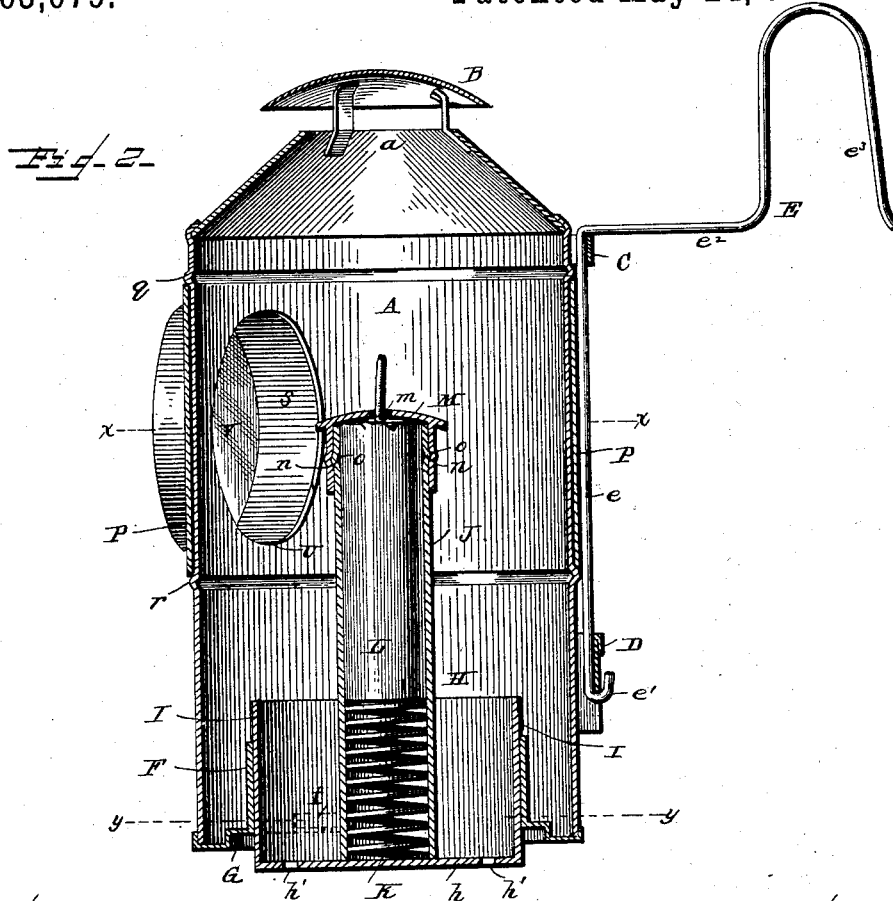
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Patented May 24, 1887.



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Fig. 5.

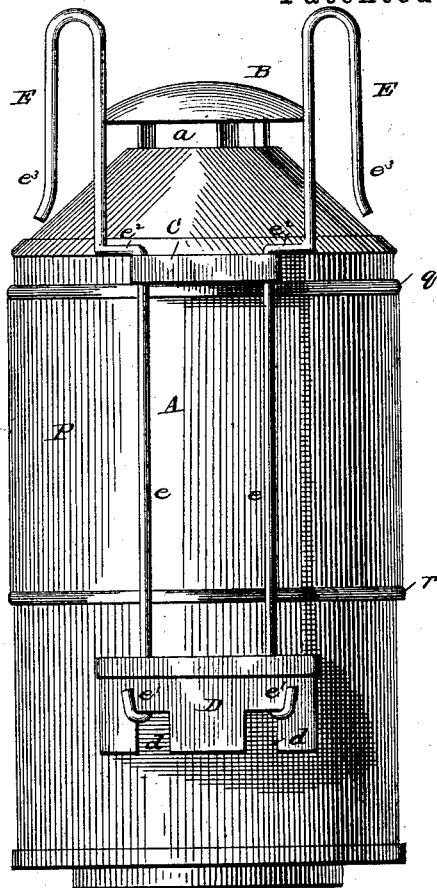
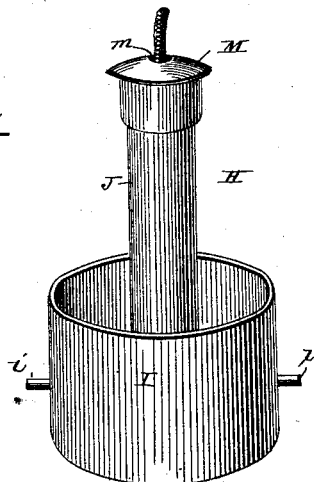


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM J. REED, OF KINGSVILLE, SOUTH CAROLINA.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 363,679, dated May 24, 1887.

Application filed January 25, 1887. Serial No. 225,444. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. REED, a citizen of the United States, residing at Kingsville, in the county of Richland and State of South Carolina, have invented certain new and useful Improvements in Travelers' Lanterns; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to travelers' lanterns, and its object is to provide a simple and improved lantern of this class in which the parts can be readily detached to facilitate packing, and which can be conveniently adjusted on the back of an ordinary railroad-car seat in such a manner as to furnish light to one or two persons for reading.

In the drawings, Figure 1 is a perspective view of the lantern embodying my improvements, the car seat being shown in dotted lines. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal section on the line *xx*, Fig. 2. Fig. 4 is a horizontal section on the line *yy*, Fig. 2. Fig. 5 is a rear side elevation. Fig. 6 is a detail perspective view of the lamp or candle-holder. Fig. 7 is a plan view of the lamp-holder.

Corresponding parts in the figures are denoted by the same letters of reference.

Referring to the drawings, A designates the cylindrical body of the lantern, having a draft-opening, *a*, at its top, over which is provided a cap, B. Upon the rear side of the body A, at its top, is provided a transverse loop or bracket, C, and near the lower end is provided a corresponding bracket, D, having two notches, *d*, in its lower edge.

E E designate two supporting-hooks, which are preferably formed of wire and comprise a straight main section, *e*, passing through the brackets C D, and having a hook-shaped lower end, *e'*, engaging the notch *d*. At the top of the main section *e* the supporting-hooks are bent rearwardly at about right angles to the main portion, as shown at *e''*, and are then provided with hook-shaped top ends, *e'''*, adapted to fit over the top edge of the back of the car-seat, as shown in Fig. 1, to retain the lantern in position for reading. It will be observed that

these hooks are readily detachable from the brackets when it is desired to pack the lantern for transportation.

At the open bottom of the body A is provided an inwardly-projecting circular flange, G, having two diagonally-opposite notches, *g*, and from the inner edge of this flange projects a cylindrical vertical flange, F, having longitudinally-disposed slots *f*, registering with the notches *g*, and extending therefrom in opposite directions.

H designates the candle or lamp holder, which comprises a bottom, *h*, having a series of perforations or air-holes, *h'*, and vertical sides I, provided with diagonally-opposite pins or studs *i*, projecting laterally, as shown. The candle-holder is cylindrical, and is adapted to be inserted in the open bottom of the body A, the studs *i* being received by the notches *g* when the holder H is turned to engage its studs with the slots *f*, and thereby lock it in position.

From the center of the holder H projects a vertical cylindrical tube, J, having a spiral spring, K, located at its bottom and adapted to automatically feed a candle (designated by the letter L) located in the tube. A cap, M, is provided for the tube J, and has a central opening, *m*, in its top, through which the wick of the candle projects. This cap may be retained in position by means of a projection, *n*, upon the side of the tube, registering with an indentation, *o*, in the cap, the latter being sprung over the said projection in its adjustment upon the tube; but any other adapted means may be provided for holding the cap in position. It will be understood that the office of the cap is to hold the candle down against the tension of the coiled spring, so that as the candle burns away it is fed automatically vertically by the spring. In lieu of this candle-holder any suitable lamp device may be provided in the holder H.

P designates a cylindrical slide, adapted to slide around the body A, and retained against vertical displacement by means of top and bottom ribs, *q* *r*, respectively, projecting from the body of the lantern. This slide is provided with two projecting circular flanges, S S', respectively, extending around two circu-

lar openings, T T', adapted to register with corresponding openings, U U', in the body A. These flanges carry bull's-eyes V V', and the slide is adapted to be readily adjusted when the lantern is in position to enable persons at either side to read, or so that the openings at only one side register and enable a person at that side to read without disturbing a person sitting at the opposite side of the lantern.

10 Having thus described my invention, I claim—

1. In a traveler's lantern, the combination, with the body having projecting brackets or loops upon its rear side, of detachable supporting-wires engaging said loops, and having hook-shaped ends, substantially as set forth.

2. In a traveler's lantern, the combination, with the body having a top bracket and a bottom bracket provided with notches, of detachable supporting-wires engaging the brackets, and having hook-shaped top and bottom ends, substantially as set forth.

3. In a traveler's lantern, the combination, with the cylindrical body of the lantern having an open bottom provided with an inwardly-projecting circular flange, G, formed with diagonally-opposite notches *g*, and with a cylindrical vertical flange, F, projecting from the inner edge of the flange G, and formed with the notches *g*, of a cylindrical lamp-holder adapted to fit within the flanges and provided with laterally-projecting studs entering the notches *g* and resting upon the lower flange, substantially as and for the purpose set forth.

4. In a traveler's lantern, the combination, with a detachable candle-holder comprising a closed bottom having a circular series of air-perforations and cylindrical sides, projecting vertically from the bottom and adapted to retain the holder in position, of a vertical tube projecting centrally from the bottom and adapted to receive and carry a candle, substantially as set forth.

5. In a traveler's lantern, the combination, with the cylindrical body of the lantern having two perforations, of a corresponding exterior slide having two perforations or openings and carrying two bull's-eyes, the slide being capable of adjustment to bring into use either one or both of the bull's-eyes, substantially as and for the purpose set forth.

6. In a traveler's lantern, the combination, with the body having two light-openings and the top and bottom projecting ribs, of a cylindrical slide retained between these ribs and provided with two corresponding openings and with two cylindrical flanges projecting therefrom and carrying bull's-eyes, the slide being adjustable upon the body, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM J. REED.

Witnesses:

WM. H. LYLES,
SAML. W. MELTON.