

No. 668,756.

Patented Feb. 26, 1901.

D. R. PECK.
LANTERN.

(Application filed Feb. 20, 1900.)

(No Model.)

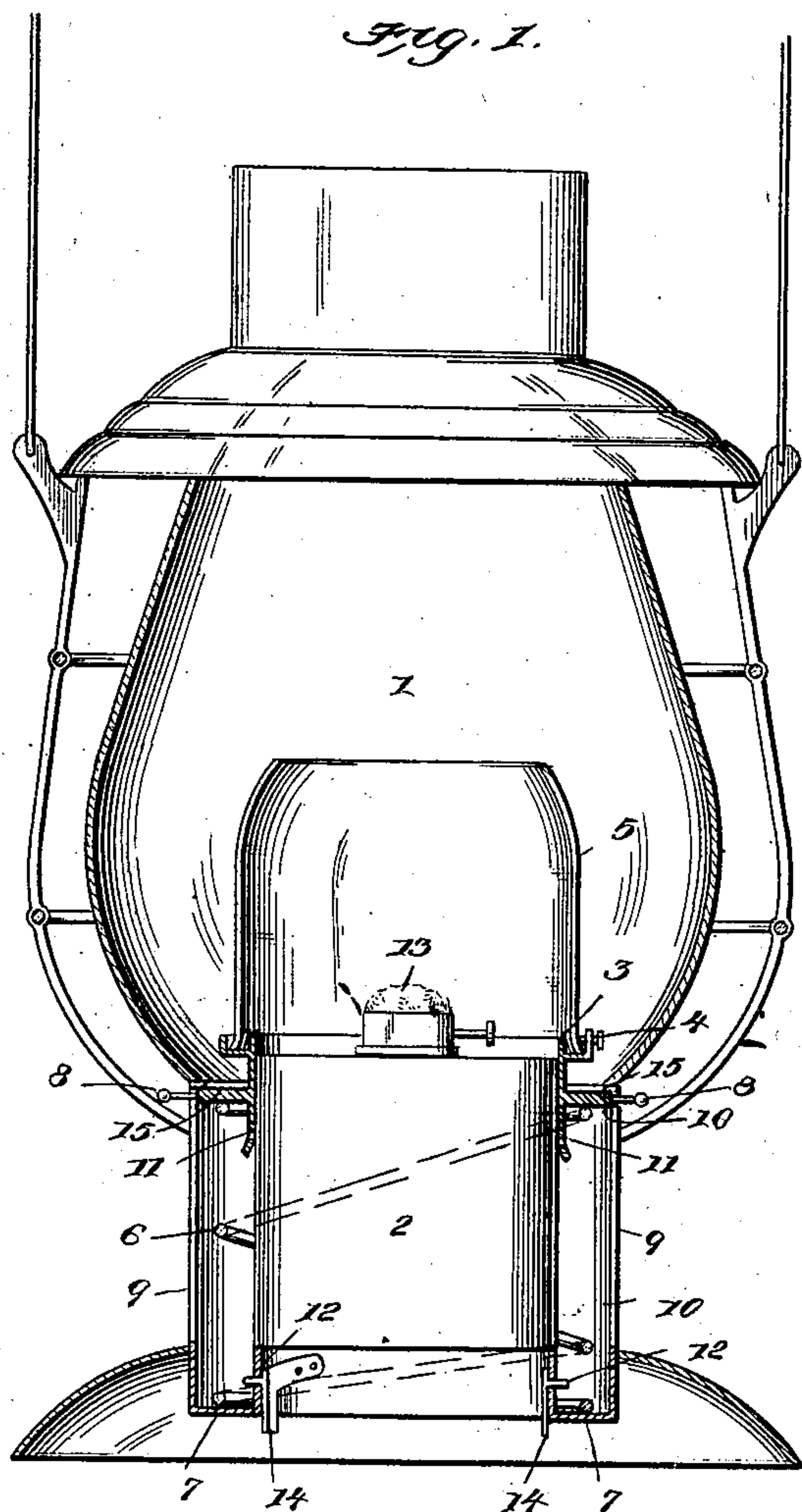
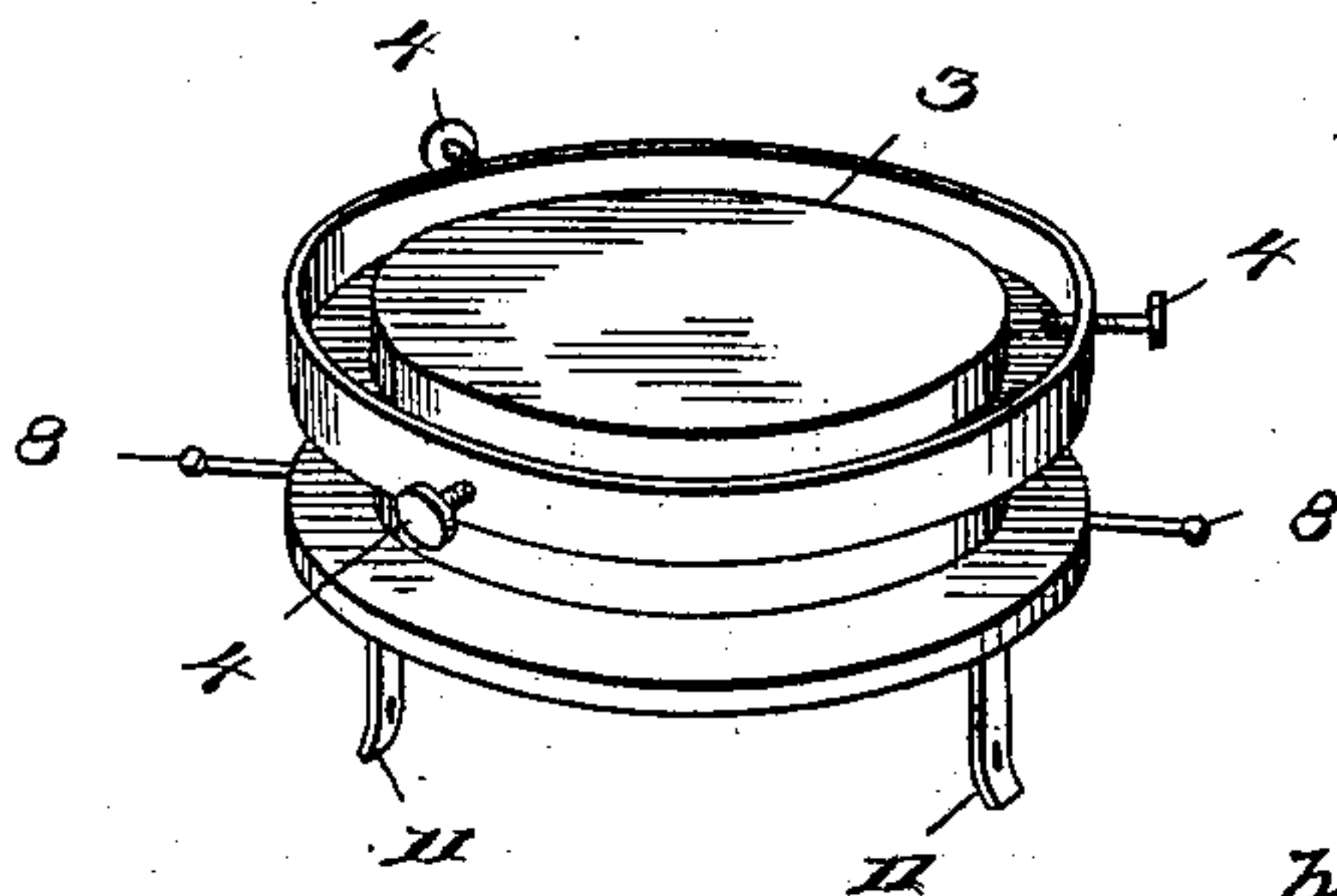


Fig. 2.



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UNITED STATES PATENT OFFICE.

DON R. PECK, OF JACKSON, MICHIGAN.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 668,756, dated February 26, 1901.

Application filed February 20, 1900. Serial No. 5,962. (No model.)

To all whom it may concern:

Be it known that I, DON R. PECK, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Michigan, have invented a new and useful Lantern, of which the following is a specification.

My invention relates to lanterns, and more particularly to that class of lanterns in which it is desired to produce a different-colored light—as, for instance, a red light—to be used for signaling purposes by railroad-men or in places where there is danger, as at places of construction or where there is an obstruction or danger upon the railroad or street.

The object of my invention is to produce a lantern in which the light can be changed from one color to another by simply moving a suitable colored screen around the light; and it consists in the improved construction and combination of parts of a lantern, as will be hereinafter more fully set forth.

In the accompanying drawings, in which the same reference-numerals indicate corresponding parts in each of the views in which they occur, Figure 1 is a vertical sectional view of a lantern embodying my invention. Fig. 2 is a perspective view of a portion thereof.

Referring more particularly to the drawings, 1 indicates the lantern, which may be of any approved form and construction and to which my improved attachment may be secured. Loosely surrounding the oil-tank 2 is a band or sleeve 3, the upper edge of which is provided with set-screws 4 for the support of a suitable colored globe 5. The band 3, and with it the globe, is normally held in a raised position by means of a spring 6, which is coiled around the oil-tank and is supported at its lower end by a suitable flange or shoulder 7. The band, and with it the globe, is depressed against the action of the spring by means of two laterally-extending arms or projections 8, which extend outwardly through slots 9 in a casing 10, said casing extending entirely around the oil-tank, if desired. The lower edge of the band is provided with two downwardly-extending lips 11, each of which is perforated and adapted to engage with a yielding stud 12, projecting outwardly from the bottom of the oil-tank 2. The lower ends of said lips are preferably curved out-

ward to pass over said studs and force them inward when the band is moved downward as far as it will go.

In using my improved lantern any suitable colored globe 5 is secured in position upon the top of the band, and the band is depressed until the lips 11 engage with the studs 12 and hold the band in such position that the light from the wick 13 will pass above the top of the colored globe, and thereby give the ordinary white light. When in this position, the lantern can be used for any ordinary purposes the same as though it were not provided with my attachment. When, however, it is desired to use the lantern as a signal-lantern, the band is released from the stud 12 by withdrawing the studs from the perforations in the lips by the operator catching hold of the two arms 14, which project below the bottom of the oil-tank and to which the studs are secured. As soon as the band is released the expansion of the spring will carry it to the top of the oil-tank, which will raise the colored globe high enough to surround the wick upon all sides and cause the light that passes through the globe to assume the color of the globe, and thereby adapt the lantern for use as a signal-lantern.

The top of the case 10 may be provided with stops 15, against which the arms 8 engage to stop the upward movement of the band. If desired, the upper end of each of the slots may be provided with a lateral extension 16, into which the arms 8 may be forced by slightly rotating the band for the purpose of holding the band in its elevated position in case the spring should become broken or inoperative.

As above described, it will be seen that my improved attachment can be cheaply applied to lanterns, and thereby increase the usefulness of the lantern, and at the same time the auxiliary globe will be so located and protected that it will not be liable to be broken by the ordinary usage of a lantern provided with my attachment.

While I have shown what I have found to be a very desirable form of construction for my invention, yet I reserve to myself the right to make such changes and alterations therein as will come within the scope of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a lantern, the combination, with the
5 oil-tank, of a vertically-slotted frame surrounding the same, a flange at the bottom of the frame, a band around the tank, the upper edge of which is provided with means for securing a colored shield thereto, and the lower
10 edge is provided with a shoulder and with downwardly-extending perforated lips, a yielding catch below the bottom of the tank for each lip, arms projecting from the band out through the slots in the frame, and a
15 spring around the tank, the ends of which bear against the shoulder of the band and the flange of the frame respectively.

2. In a lantern, the combination with the oil-tank, of a casing surrounding said oil-tank
20 and depending below the bottom thereof and having vertical slots formed in its outer walls and on opposite sides of the tank, a band around the tank and movable in said casing and on the tank, a supporting-flange at the

upper end of said band, a colored shield resting upon said flange, securing means carried by the flange for securing said shield in position, a shoulder formed at the lower edge of said band, a spring in said casing and coiled about the tank, the upper end of the spring
30 resting against said shoulder of the band and holding said shield raised, laterally-extending arms carried by said band on opposite sides thereof and projecting through and movable in the slots of the casing, downwardly-
35 extending perforated lips carried by said band, and yielding catches secured to the exterior of the casing, below the tank, and having engaging portions projecting into the interior of the casing in the path of said lips to
40 engage in the perforations formed therein, and formed with finger portions depending below the bottom of said casing, substantially as described.

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Witnesses:

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