

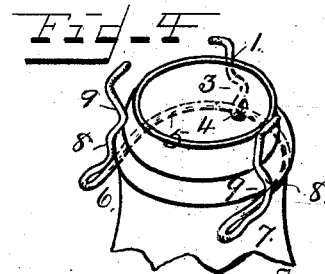
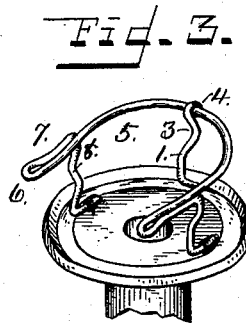
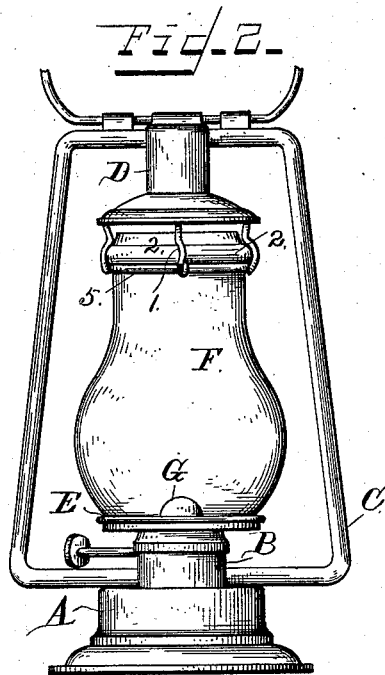
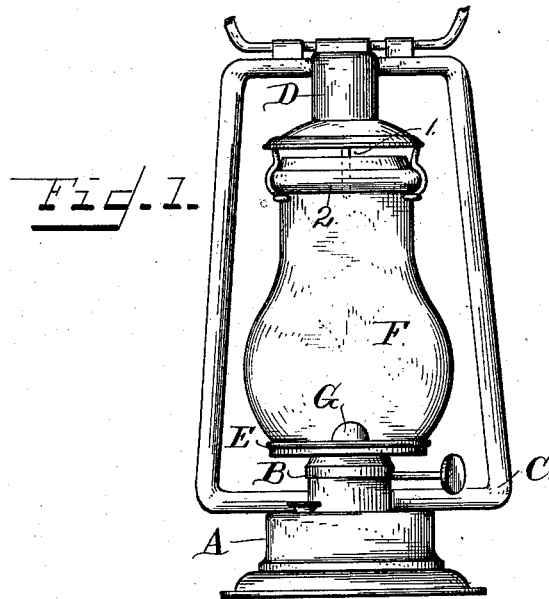
(No Model.)

J. CHARLESON.

LANTERN.

No. 384,234.

Patented June 12, 1888.



Witnesses
J. Thomson Cross
C. L. Trevitt

Inventor

John Charleson

By his Attorney

A. G. Neysman

UNITED STATES PATENT OFFICE.

JOHN CHARLESON, OF BROOKLYN, NEW YORK, ASSIGNOR TO WILLIAM
VOGEL & BROS., OF SAME PLACE.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 384,234, dated June 12, 1888.

Application filed February 4, 1888. Serial No. 262,995. (No model.)

To all whom it may concern:

Be it known that I, JOHN CHARLESON, a citizen of the United States of America, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Lanterns, of which the following is a specification.

My invention has relation to improvement in means for holding lantern globes and chimneys, and is particularly adapted for holding the upper ends of the globe to the deflecting-cap.

The object of my invention is to provide a globe-holding device by which the globe will be securely held in vertical position in relation to the globe-seat, and at the same time will admit of the globe being readily and conveniently removed and replaced, and if the lantern is of that class wherein the globe is lifted vertically from the burner it will be held securely in position by the holder to effect the purpose.

In the trade several devices have been employed for the purpose of holding the globe to the cap—some in association with guards embracing the lower portion of the globe and others embracing the upper end of the globe. In one instance a holder is made of a wire suspended at one point from the deflector-plate, and, extending partly around the top of the globe, is made resilient by means of laterally-arranged springs operating to clamp the holding-wire against the globe, and in another the holder is held to the deflector at a single place and the wire curved to embrace the end of the globe, the ends of the wire being left apart far enough to admit the globe.

My invention consists in an improved globe-holding device for lanterns, formed of a single piece of wire curved into a form greater than a semicircle, and having the end portions bent up vertically, said bent-up parts having their ends rigidly secured to the deflecting-cap of the lantern, thereby giving to these supporting-wires a clamping function to retain the globe in their embrace, as will be hereinafter more fully described, and specially as the same is particularly pointed out and distinctly claimed.

I have fully illustrated my improvements in the accompanying drawings, wherein—

Figure 1 is a view in elevation of a lantern

with my improved holder attached. Fig. 2 is a similar view showing the lantern in reverse of Fig. 1. Fig. 3 is a perspective of the holder and cap, shown in inverted position. Fig. 4 is a view of the skeleton holder applied to the chimney.

Reference being had to the drawings, A designates the oil-reservoir; B, the burner-neck; C, the tubes, having connections with the neck and carried upward, opening into the draft-tube D, on the lower end of which is secured the deflecting plate or cap-piece.

E designates the perforated bottom plate, supporting the globe or chimney F and seated on the burner G. These several parts may be of any of the approved and usual constructions, the globe being seated on a base to be lifted therefrom, or it may be held to a hinged support to be turned down out of the clamping-holder. As all these constructions are well known and form no particular part of my invention, it is not deemed essential that a more specific description be given of them here.

On the lower end of the draft-tube D is secured the deflecting plate or cap, which, as usual, consists of a dish-shaped sheet-metal plate extended to set over and above the open end of the globe, substantially as shown in the drawings. To the under side of the deflector-plate, at the back edge thereof, is rigidly secured a support, 1, which extends down below the rib 2 on the globe, and is formed with a curved part, 3, to serve as a seat for the rib of the globe, and has an eye, 4, at the end to receive the holder. The holding device consists of a wire of such size as may be adapted to withstand the strains to which it is subjected in use and is formed of a circular part, 5, constituting a section of more than one-half the circumference of the globe end below the rib and extended at the terminations, as at 6, these parts being slightly flared at the ends, as shown, to conveniently admit the globe, the strand being then bent back on itself, as shown at 7, and then the ends 8 are carried up and formed with a curved portion, 9, to serve as a seat for the rib on the globe, the ends being secured rigidly to the under face edges of the deflecting plate or cap. The vertical portions 8 are arranged in advance of the diameter of the globe,

so as to choke the globe in the seat made by the holding-wire behind them. Should these vertical wires be placed on or behind the diametrical line, the holder will not serve the purposes intended, as the tendency will be to throw the globe from their embrace. These arms operate, also, as springs, bearing the holding-wire always in contact with the globe below the annular rib formed thereon. It is usual to bend the upper ends of the several supporting-wires down to a horizontal direction, as shown, and secure them to the cap by a soldering in a small sleeve on the under side of the deflecting-cap.

What I claim is—

1. The combination, with the deflecting-cap of a lantern, a globe, and a supporting-wire, as 1, secured to the deflecting-cap, of a globe-holding device consisting of a single piece of wire curved into a form greater than a semicircle and having the end portions bent up vertically, said bent-up parts having their ends rigidly secured to the deflecting-cap of the lantern, substantially as described.

2. The combination, with the deflecting-cap of a lantern, a globe, and a supporting-wire, as 1, formed with a curved part and an eye, of a globe-holding device consisting of a single

piece of wire curved into a form greater than a semicircle and supported at the back by said supporting-wire 1, then carried forward and bent back on itself, and then carried vertically in advance of the diameter of the globe, and having the vertical part secured to the under face of the deflecting-cap, substantially as and for the purpose specified.

3. The globe-holder herein described, consisting of a single wire curved into a circular form of more than one-half of a circle, then having the strand bent down on itself and the end posts carried vertically in advance of the diameter of the circle and formed with a curve, and an additional vertically - arranged supporting-wire secured to the middle of the circular part of the holding-wire, said vertical parts being adapted to be secured to a deflecting-cap of a lantern, substantially as described, and for the purpose stated.

In witness whereof I have hereunto set my hand in the presence of two attesting witnesses.

JOHN CHARLESON.

Attest:

WM. J. KENNEDY,
FRED J. GANS.