(No Model.)

J. C. MILLER & A. T. BOOTH.

BICYCLE LAMP.

No. 594,265. Patented Nov. 23, 1897.

Fig. 1

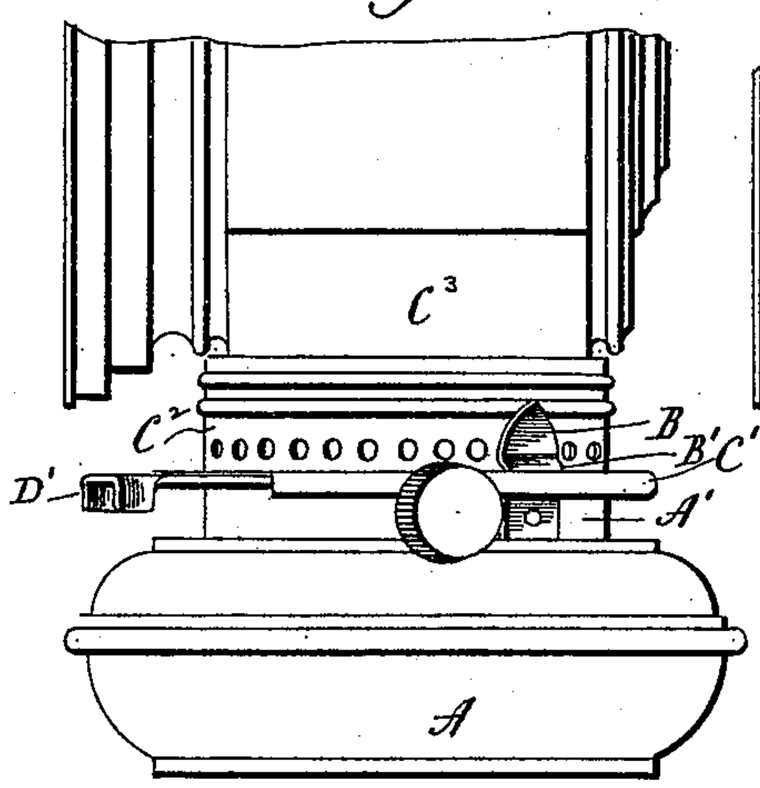


Fig. 2

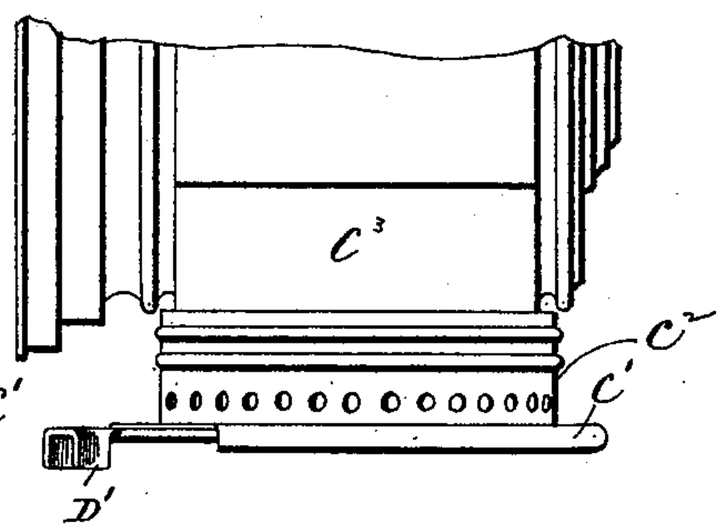


Fig. 3

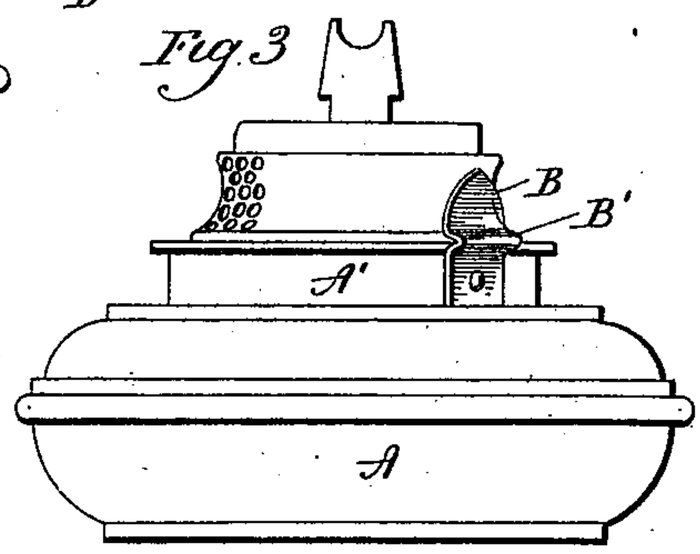


Fig. 4

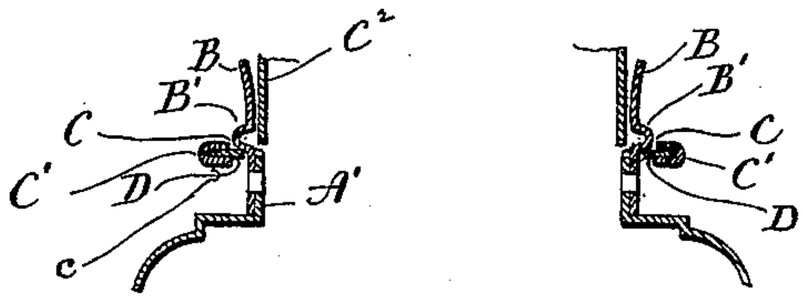


Fig. 5

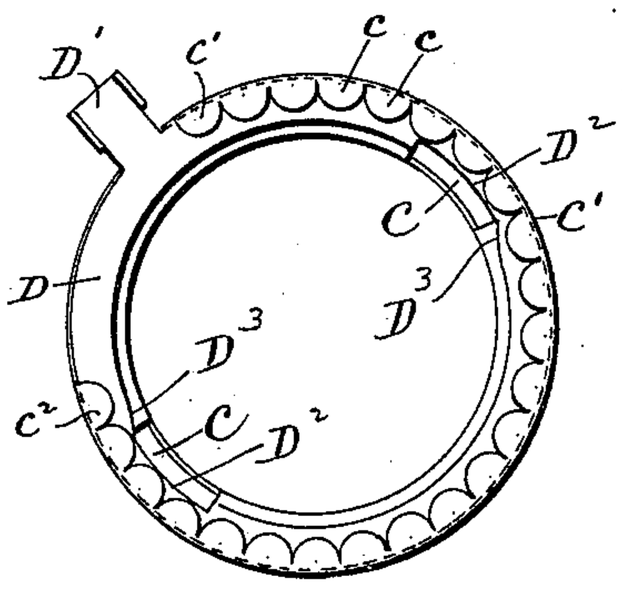


Fig. 6

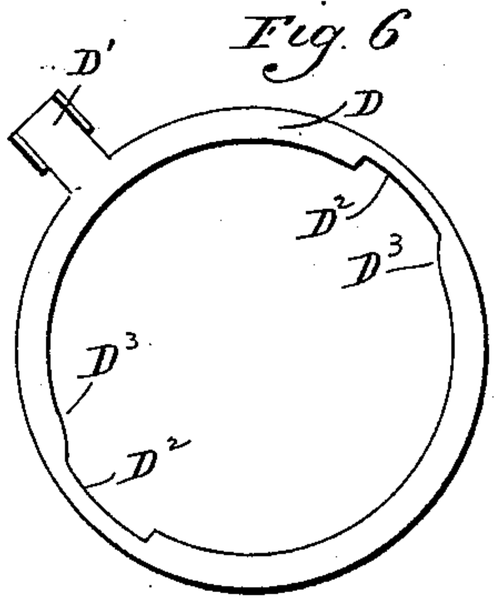
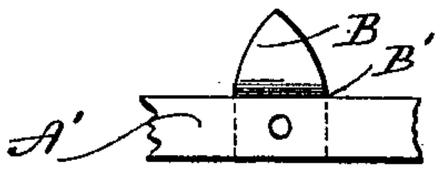


Fig. 7



Witnesses.
J. H. Thurmond.
Lillian D. Kelsey.

John C. Miller and Albert T. Booth,
Inventors,
By their Atty
Earle Seymour

UNITED STATES PATENT OFFICE.

JOHN C. MILLER AND ALBERT T. BOOTH, OF WATERBURY, CONNECTICUT, ASSIGNORS TO THE MATTHEWS & WILLARD MANUFACTURING COMPANY, OF SAME PLACE.

BICYCLE-LAMP.

SPECIFICATION forming part of Letters Patent No. 594,265, dated November 23, 1897.

Application filed September 7, 1897. Serial No. 650,726. (No model.)

To all whom it may concern:

Be it known that we, JOHN C. MILLER and ALBERT T. BOOTH, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new Improvement in Bicycle-Lanterns; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a broken view, in side elevation, of a bicycle-lantern constructed in accordance with our invention; Fig. 2, a broken view, in side elevation, of the lantern-body; Fig. 3, a view in side elevation of the fount of the lantern; Fig. 4, a broken view, in vertical section, showing the fastening of the fount to the body by means of the locking-fingers and locking-ring of our improvement; Fig. 5, a reverse plan view of the locking-ring and the flange to which it is applied; Fig. 6, a detached view of the ring; Fig. 7, a detached view, in inside elevation, of the locking-fingers.

Our invention relates to an improvement in bicycle-lanterns, and more particularly to means for securely fastening their founts to their bodies, the object being to provide simple, effective, and convenient fastening devices which will permit the fount to be applied to the lantern-body with the wick-adjusting button on either the right or left hand side of the lantern.

With these ends in view our invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claim.

In carrying out our invention as herein shown the fount A is furnished with two vertically-arranged locking-fingers B B, located diametrically opposite each other and secured by their lower ends to the collar or neck A′, which is fastened to the top of the fount. Each of these fingers is constructed with an outwardly-set, horizontally-arranged, inwardly-opening locking-flute B′, which may be slightly bowed longitudinally. These fingers are designed to pass upward through clearance-openings C C, formed to receive them at opposite points in the inner edge of a horizontal flange C′, formed at the lower end of a collar C^2, rigidly attached to the bottom of the lantern-body C^3. The said flange has applied to its lower face an oscillating locking-ring, which is confined in place by scalloped-shaped fingers *c*, formed integral with and turned inward from the outer edge of the horizontal flange C′. The end fingers c' c^2 of the series of fingers *c* form stops for limiting the oscillation of the locking-ring D, which is formed with an integral outwardly-projecting handle D′, the shank of which engages with the said end fingers c' c^2. The said locking-ring is formed at opposite points with shallow clearance-notches D^2 D^2 and with oppositely-arranged wedge-like or tapering locking edges D^3 D^3, which are adapted to be "shot," so to speak, under the inwardly-opening locking-flutes B′ of the locking-fingers B, attached to the fount.

When it is desired to fasten the fount to the body of the lantern, the locking-ring D is turned by its handle D′, so as to bring its clearance-notches D^2 D^2 into registration with the clearance-openings C C of the flange C′ of the collar C^2, depending from the lantern-body. The fount is now turned in the hand to bring its locking-fingers B B into registration with the said clearance notches and openings, through which they are passed by a simple vertical upward movement of the fount, whereby the flutes B′ of the fingers are brought into the same horizontal plane as the locking-ring D, which is then rotated by its handle D′, so as to "shoot," so to speak, the wedge-shaped locking edges D^3 D^3 under the flutes, whereby the fount is supported by the said locking-ring through the said locking-fingers. To detach the fount, the locking-ring is rotated by its handle, so as to clear the wedge-shaped locking edges of the locking-ring from the flutes of the locking-fingers, whereby the clearance-notches D^2 of the ring are brought into registration with the clearance-openings C of the flange, thus permitting the fingers to be withdrawn and the fount disconnected from the lantern-body. As the locking-fingers are inserted into the

clearance openings and notches by direct upward movement of the fount, the same is made very easy to apply. Furthermore, the fount is as readily and securely applied with its wick-adjusting button to the right as to the left, which is a matter of great convenience, as the lantern may be applied either on the left or on the right hand side of the bicycle.

It is apparent that in carrying out our invention some changes from the construction herein shown and described may be made. We would, therefore, have it understood that we do not limit ourselves to the exact construction herein shown, but hold ourselves at liberty to make such variations therefrom as fairly fall within the spirit and scope of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a bicycle-lantern, the combination with a lantern-body furnished with a collar provided with a horizontal flange having formed in it clearance-openings located opposite each other, of a locking-ring applied to the said flange so as to have oscillating movement thereupon, and formed with clearance-notches adapted to be registered with the said clearance-openings, and also formed with wedge-shaped locking edges; and a lamp-fount provided with two upwardly-projecting locking-fingers, having outwardly-set, inwardly-opening, locking-flutes, adapted to be taken under by the said locking edges after the fingers have been introduced into the said clearance openings and notches, substantially as set forth.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

JOHN C. MILLER.
ALBERT T. BOOTH.

Witnesses:
FREDERICK LINES,
STANLEY N. BLAKESLEE.