

(No Model.)

W. C. HOMAN.
LAMP FOUNT FOR CENTRAL DRAFT LAMPS.

No. 477,864.

Patented June 28, 1892.

Fig 1

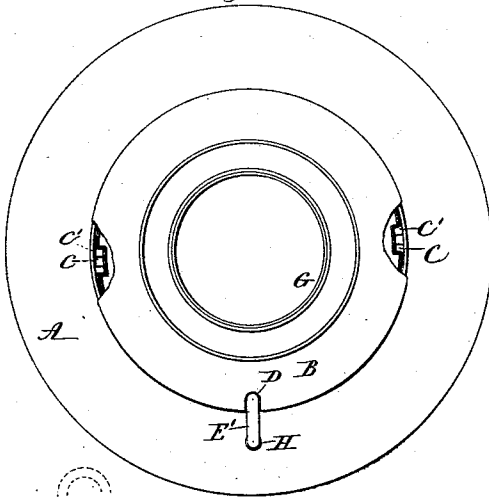


Fig 2

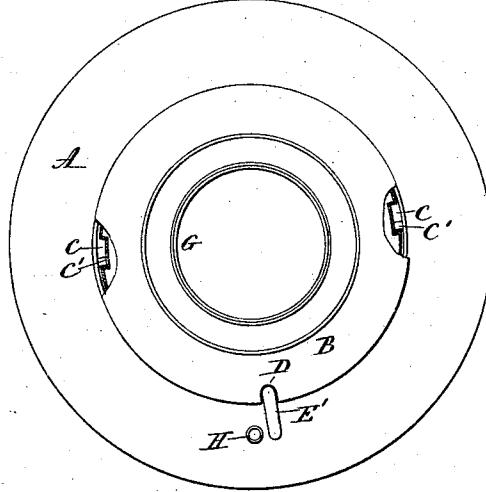


Fig 3

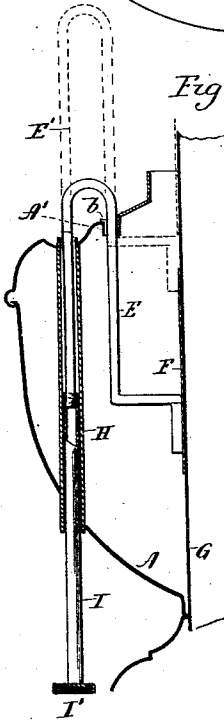


Fig 4

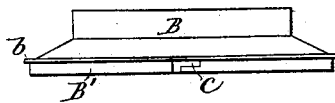


Fig 5

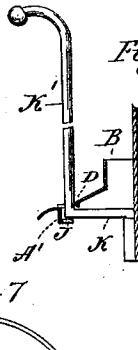


Fig 6

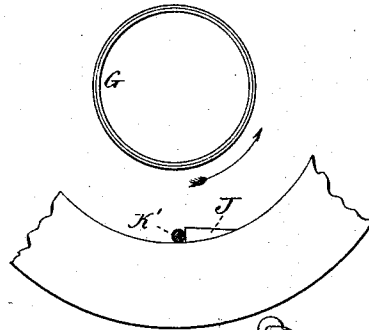


Fig 8.

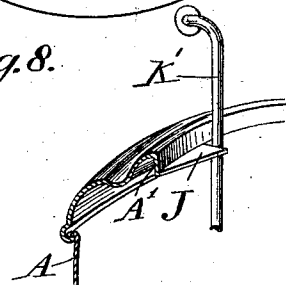
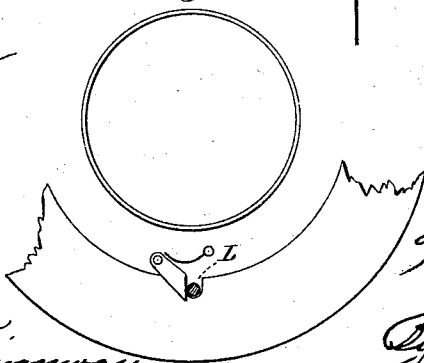


Fig 7



Witness
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UNITED STATES PATENT OFFICE.

WILLIAM C. HOMAN, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE EDWARD MILLER & COMPANY, OF SAME PLACE.

LAMP-FOUNT FOR CENTRAL-DRAFT LAMPS.

SPECIFICATION forming part of Letters Patent No. 477,864, dated June 28, 1892.

Application filed November 30, 1891. Serial No. 413,575. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. HOMAN, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Lamp-Founts for Central-Draft Lamps; and I do hereby declare the following, when taken in connection with 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 plan view of a lamp-fount constructed in accordance with my invention with the removable ring locked in place; Fig. 2, a similar view with the ring in its unlocked position; Fig. 3, a broken view of the lamp in vertical section; Fig. 4, a detached view in side elevation of the ring; Fig. 5, a broken sectional view showing the application of a different kind of wick-adjuster to my improved fount which is thereto provided with a stop; Fig. 6, a broken plan view of the fount, showing the normal relations of the stops and the bar of the wick-adjuster. Fig. 7 is a similar view of a fount, showing the location of the radial clearance-slot in the inner edge of the fixed upper portion thereof instead of in the outer edge of the removable ring; Fig. 8, a detailed perspective view looking from the inside of the fount and showing the stop J and the parts related thereto.

My invention relates to an improvement in founts for central-draft lamps, the object being to improve them in their adaptation to receive removable wick-lifts.

With these ends in view my invention consists in a fount constructed with a removable ring forming the inner portion of its top and secured to the outer portion thereof, the meeting edge of one of the said parts being slotted for the bar of the wick-adjuster and the said ring being independent of the lamp-burner.

My invention further consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

As shown in Figs. 1 to 4, inclusive, of the drawings, the fount A is constructed with a removable ring B, forming the inner portion of its top. The said ring is provided just

within its outer edge with a depending flange B', while the adjacent inner edge of the top is constructed with a corresponding flange A'. The flange B' of the ring has formed in it at opposite points bayonet-lock grooves C C, which receive retaining-points C' C', correspondingly located upon the inner face of the flange A', the said grooves and retaining-points constituting the respective members of bayonet-locks, by means of which the ring is locked in place by a slight rotation and unlocked for removal by a corresponding reverse movement.

By reference to Fig. 3 of the drawings it will be observed that when the removable ring is in place its extreme outer edge *b* laps over the adjacent inner edge of the top and forms a finished joint. I would have it understood, however, that I do not limit myself to any particular form of lock for securing the removable ring in place, although probably a lock of the bayonet type will prove most convenient in use.

The outer edge of the ring is provided with an open radial slot D, through which the short leg E of the adjusting-bar enters the fount for connection with the wick-band F, encircling the draft-tube G, the said leg E of the bar playing up and down through the said slot. The long leg E' of the bar passes down into a small upright bearing-tube H, mounted in the fount near the edge thereof and projecting therefrom at its open upper and lower ends, the extreme lower end of the said leg E' being threaded for connection with the upper or inner end of a sleeve I, entered into the lower end of the tube H and provided at its lower end with an adjusting-nut I'. The locks for securing the removable ring to the fount will be constructed and arranged so that when the said ring is in its locked position its slot D will be radially in line with the upper end of the tube H, as clearly shown by Fig. 1 of the drawings. Then when the adjusting-bar is in place it will, through its long leg, prevent the ring from being rotated and unlocked, which can only be done by unscrewing and removing the threaded sleeve I and then lifting the bar until its long leg comes out of the upper end of the tube, after which the bar and

sleeve may be rotated together, as shown by Fig. 2 of the drawings, for unlocking the ring. When the ring is unlocked, it may be removed from the fount and so permit the wick-band and bar to be integrally pulled out of the same.

It will be seen from the foregoing that when the adjusting-bar has the form or substantially the form of the bar shown in Figs. 1, 2, and 3 of the drawings its outer or long leg will normally operate as a lock to prevent the removable ring from being turned into its unlocked position; but when the form of the wick-lift shown by Figs. 5 and 6 of the drawings is employed some other means must be used to normally lock the ring against rotation. For this purpose I employ a stop J, as shown by Figs. 5 and 6 of the drawings. This stop consists of a wedge-shaped piece of metal arranged in the horizontal plane of the fount and projecting inwardly from the vertical flange A', formed at the inner edge of the outer portion of the top, sufficient space being secured between the said stop and the inner face of the removable ring when the same is in place to receive the horizontal foot K of the adjusting-bar K'. The said stop is located adjacent to that side of the slot D formed in the ring B for the bar K to play through, which is in advance, so to speak, when the ring is turned in the direction required for unlocking it. Then in any ordinary position of the wick-bar it will co-operate with the stop J to prevent the ring from being turned in the direction required for unlocking it preparatory to removal. When, however, it is desired to remove the ring and wick-adjuster, the bar K' is lifted into its highest position, whereby its horizontal foot K will be carried above the stop J, as shown by Fig. 5 of the drawings, after which the ring may be rotated and removed, and after it the adjusting-bar and the band of the wick-adjuster.

As shown herein, the slot provided for the adjusting-bar of the wick-adjuster to play through is formed in the ring; but, if desired, it may be formed in the adjacent edge of the outer portion of the top of the fount, as shown by Fig. 7 of the drawings, in which the fixed outer upper portion of the fount is constructed with a radial clearance-slot L, opening into its inner edge and receiving the bar M of the wick-adjuster. In this case the removable ring N is locked in place by a spring-actuated pawl O, pivoted to the edge of the ring N in position to snap back of the bar when the ring is turned to its locked position, and thus prevent the ring from turning until the pawl is manually disengaged from the bar, when the ring may be again turned to its unlocked position and removed. This pawl, however, might be replaced by any equivalent locking device.

It is to be observed that my improved ring

simply forms a part of the lamp-fount and is entirely independent of the lamp-burner, and that when the ring is in place the slot is not open, but closed at its open end.

In view of the modification shown and described and of the other modifications suggested, I would have it understood that I do not limit myself to the exact construction represented, but hold myself at liberty to make such changes and alterations therein as fairly fall within the spirit and scope of my invention.

I am aware that it is old to construct a lamp-fount with an open notch extending outwardly from and opening into its neck to receive the bar of a wick-adjuster, and that bayonet-slots have been used to secure within the upper end of a lamp-fount a removable ring extended at its upper end to form the outer wick-tube of the lamp-burner. I do not, therefore, broadly claim notching a lamp-fount to receive the bar of the wick-adjuster, nor securing two parts of a lamp together by bayonet-slots.

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

1. A central-draft-lamp fount constructed with a removable ring forming the inner portion of its top and secured to the outer portion thereof, the meeting edge of one of the said parts being slotted for the bar of the wick-adjuster to play through, and the said ring being independent of the lamp-burner and the open end of the slot being closed when the ring is in place, substantially as described.

2. A central-draft-lamp fount constructed with a removable ring forming the inner portion of its top and secured to the outer portion thereof, the outer edge of the ring being slotted and the inner edge of the outer portion of the top being provided with a stop located under one edge of the slot when the ring is in place for engagement by the bar of the wick-adjuster, substantially as set forth.

3. A central-draft-lamp fount constructed with a removable ring forming the inner portion of its top and secured to the outer portion thereof, the said ring and outer portion of the top having their meeting edges provided with the respective members of a bayonet-lock, and the meeting edge of one of the said parts being slotted for the bar of the wick-adjuster to play through and the open end of the slot being closed when the ring which is independent of the lamp-burner is in place, substantially as described.

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

WILLIAM C. HOMAN.

Witnesses:

S. D. HANNEY,

W. L. BABCOCK.