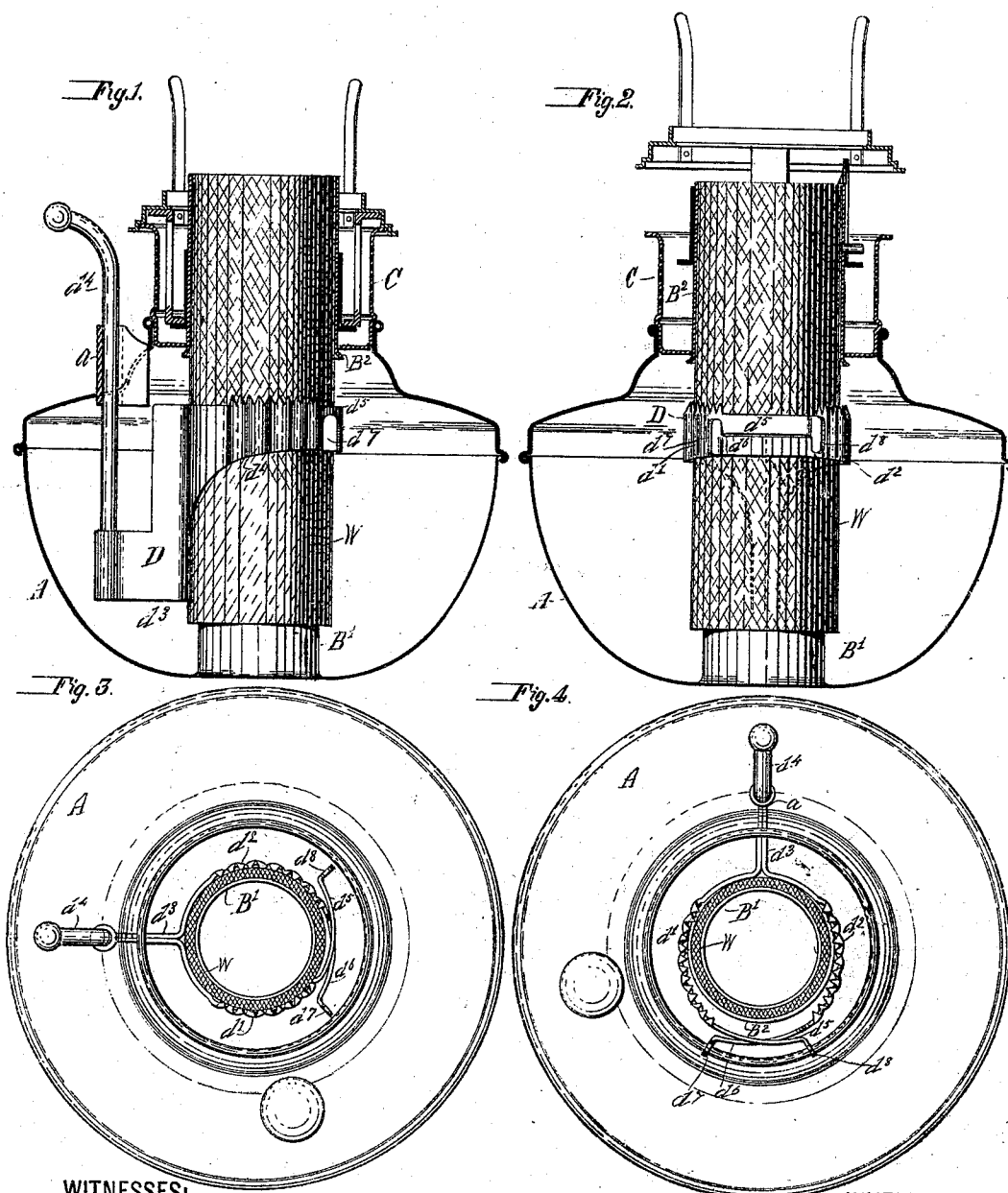


(No Model.)

H. W. HAYDEN.
WICK RAISER FOR LAMPS.

No. 513,638.

Patented Jan. 30, 1894.



WITNESSES:

Jm A Pollock
Wm M. Duff

INVENTOR

Hiram W. Hayden

BY *Edwin H. Brown*

HIS ATTORNEY

UNITED STATES PATENT OFFICE.

HIRAM W. HAYDEN, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
HOLMES, BOOTH & HAYDENS, OF SAME PLACE.

WICK-RAISER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 513,638, dated January 30, 1894.

Application filed January 11, 1893. Serial No. 457,997. (No model.)

To all whom it may concern:

Be it known that I, HIRAM W. HAYDEN, of Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Wick-Raisers for Lamps, of which the following is a specification.

My improvement relates to central draft lamps.

The improvement consists in a wick raiser for such a lamp having two resilient arc-shaped fingers or strips constructed to engage a wick and having their free ends crossed and provided with projections whereby it will be possible to disengage the wick with one hand.

In the accompanying drawings, Figure 1 is a central vertical section of the upper portion of an Argand lamp embodying my improvement. Fig. 2 is another vertical section taken in a plane at right angles to that of Fig. 1. Fig. 3 is a top view of the lamp with certain parts removed and showing the wick raiser engaged with the wick. Fig. 4 is a view like Fig. 3, except that it shows the wick raiser disengaged.

Similar letters of reference designate corresponding parts in all the figures.

A designates the oil reservoir or fount of the lamp.

B¹ B² designate a wick tube, which consists of two concentric shells arranged one within the other so as to leave between them an annular space for the wick, W. The inner shell, B¹, is fixed in the bottom of the reservoir, but the outer shell is connected with an air distributor C, which is removably fitted to an opening in the top of the reservoir.

D designates a wick raiser consisting of two arc-shaped fingers or strips *d'* *d''* made of resilient metal, such, for instance, as brass. At one end, they are both connected to a shank *d*³. This shank extends downwardly and then outwardly toward the circumference of the reservoir, being connected at its extremity to a rod *d*⁴. The rod *d*⁴ is fitted to a guide *a* formed in the top of the reservoir and extends through the reservoir, so that it may be reached for the purpose of adjusting the wick. The arc-shaped fingers or strips extend around the inner shell of the wick tube and are intended to embrace the wick W. As shown, their up-

per edges are provided with teeth for engaging with the wick. The free ends *d*⁵ *d*⁶ of the fingers or strips are notched and extended across each other and bent outwardly, the extremities being made to form handles *d*⁷ *d*⁸.

By removing the air distributor C with the outer shell B² of the wick tube, it will become possible to raise the fingers or strips *d'* *d''*, so that their free ends will be above the reservoir, A, whereupon it will be possible to disengage them from the wick, by simply pressing toward each other the handles *d*⁷ *d*⁸. This may be done with the thumb and forefinger. While the fingers or strips are disengaged from the wick, the latter may be adjusted to a different position, so that the fingers or strips when released will engage at a different point, or while the fingers or strips are wholly disengaged from the wick, a new wick may be substituted.

It will be seen that by my improvement I produce an extremely simple and convenient wick raiser having the great advantage of being capable of manipulation with one hand for the purpose of disengaging it from a wick.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In an Argand or central draft lamp, the combination of a reservoir having a central opening in its top, an inner wick tube shell fastened in the reservoir, an outer wick tube shell detachably secured in the said central opening of the reservoir and a wick raiser having a handle extending outside the reservoir and comprising two resilient fingers or strips, whose free ends are crossed and constructed to form handles which may be manipulated with one hand to disengage the fingers or strips from a wick, and a downwardly and outwardly extending shank connecting said fingers or strips to their handle substantially as specified.

2. In an Argand or central draft lamp, the combination of a reservoir having a central opening in its top, an inner wick tube shell fastened in the reservoir, an outer wick tube shell detachably secured in the said central opening of the reservoir and a wick raiser having a handle extending outside the reservoir and comprising two resilient fingers or strips whose free ends are crossed and at the

extremities bent outwardly to form handles, and a downwardly and outwardly extending shank connecting said fingers or strips to their handle substantially as specified.

- 5 3. In an Argand or central draft lamp, the combination of a reservoir having a central opening in its top, an inner wick tube shell fastened in the reservoir, an outer wick tube shell detachably secured in the said central
10 opening of the reservoir and a wick raiser having a handle extending outside the reservoir and comprising two resilient fingers or

strips, whose free ends are notched and crossed and at the extremities bent outwardly to form handles, and a downwardly and outwardly extending shank connecting said fingers or strips to their handle substantially as specified. 15

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

HIRAM W. HAYDEN.

Witnesses:

CLIFFORD J. HACKETT,
GEO. H. BENHAM.