

(No Model.)

J. E. BOHNER.
HANGING LAMP.

No. 492,321.

Patented Feb. 21, 1893.

Fig. 1

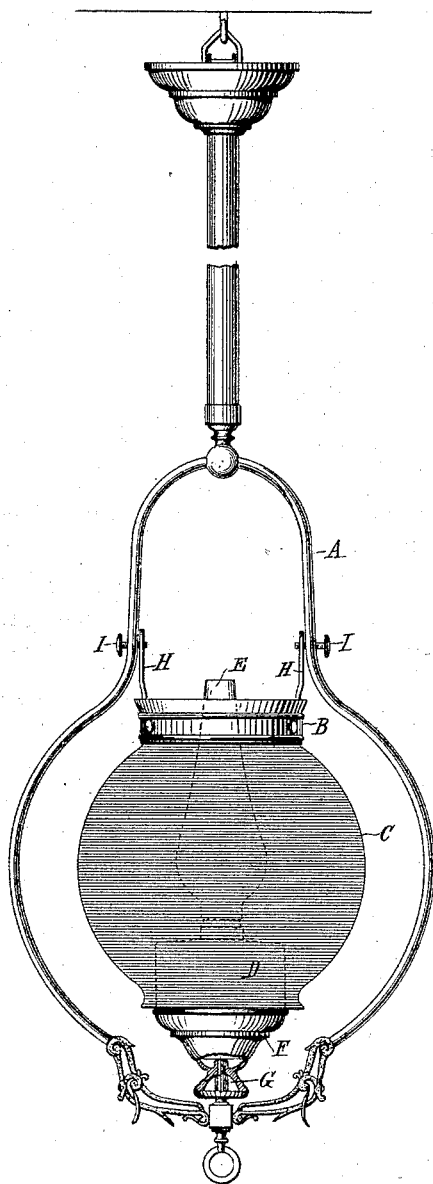


Fig. 3

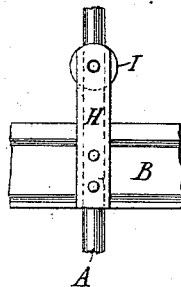
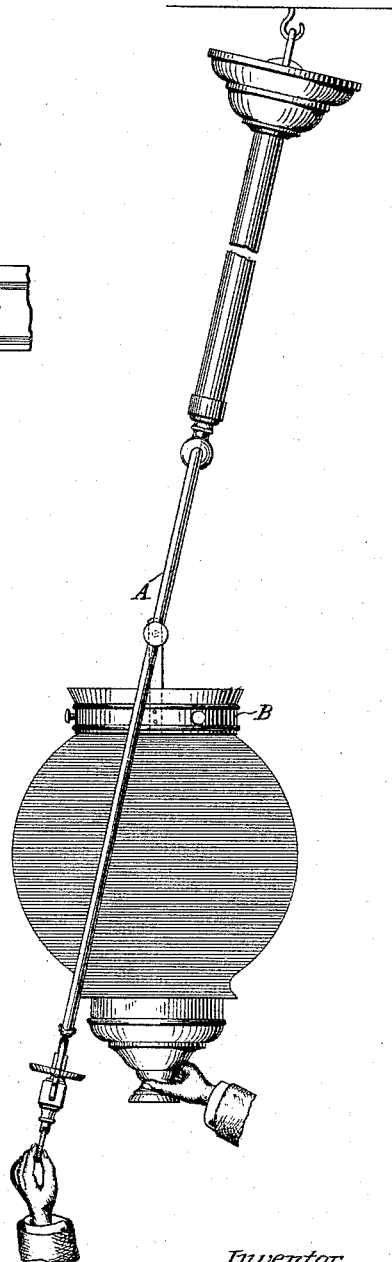


Fig. 2



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH E. BOHNER, OF ANSONIA, CONNECTICUT, ASSIGNOR TO WALLACE & SONS, OF SAME PLACE.

HANGING LAMP.

SPECIFICATION forming part of Letters Patent No. 492,321, dated February 21, 1893.

Application filed April 2, 1892. Serial No. 427,564. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH E. BOHNER, a citizen of the United States, residing at Ansonia, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Hanging Lamps, of which the following is a specification, reference being had to the drawings accompanying and forming a part of the same.

The present improvements relate to that class of lamps in which the lamp is carried in a pendant or frame, usually termed the harp of the lamp, which harp or harp frame is rigid throughout, or inflexible from the lamp support to a point above the shade.

The invention has for its object to provide improved means whereby the lamp can be removed from the harp, while in hanging position, and without tipping the lamp fount or tipping or racking the lamp shade relatively to the lamp and its chimney, and to thus obviate any likelihood of spilling the oil, and of breaking the shade or chimney by bringing them in contact.

My invention consists in pivotally supporting the lamp shade on the harp by rigid or flexible pendulum or hanging arms (in contradistinction to chains or cords which will permit the shade to swing laterally or sideways as well as back and forth in) such manner and position, that, when the lamp fount is lifted or otherwise freed from its support or attachment to or on the harp, the harp may be deflected or swung laterally to one side relatively to the shade and lamp, the shade maintaining its vertical position, by means of the rigid or inflexible pendulum or hanging arms and the lamp then lowered out of the shade while held in an upright position. The essential feature is that the pendulum or hanging arms should be rigid and stiff enough to prevent any liability of the shade swinging sidewise or laterally against the harp. To accomplish this the arms are pivoted to permit the shade to swing in and out of the harp—but rigid and inflexible to prevent any sidewise or lateral play of the shade.

In the drawings, Figure 1 shows a front elevation of a lamp harp, with shade and lamp carried thereon, the shade being secured to the harp in accordance with my invention.

Fig. 2 is a side or edge view of the harp, the same being swung to one side to permit the lamp being removed from within the shade. Fig. 3 is an enlarged detail view of the pendulous connection between the harp and the shade.

In the views, A represents the harp, which is preferably rigid throughout to the point of attachment to the ceiling. B the shade ring, C the globe or shade, D the lamp fount, and E the lamp chimney.

F is a cup that holds the lamp fount, being either removably or permanently attached thereto, and this cup is socketed to receive the pin or post G on the harp, which post supports the lamp and holds it in place.

To the opposite side of the shade ring are secured the lower ends of the rigid or inflexible pendulum arms H, which arms at their upper ends are pivoted to the inner edges of the harp by the pivot screw I. It will now be seen that the shade, so far as its supports on the lamp harp are concerned, is free to swing relatively to the harp or in and out of the same only.

In putting the lamp in position, the lower end of the harp will be pushed or swung to one side, but the shade and ring B maintain their vertical position owing to the rigidity of the arms H, as seen in Fig. 2; the lamp chimney is then entered within the globe or shade, the lamp being upright, and held to a height somewhat above the normal position of its supporting device on the harp; and then the harp is returned to vertical position, and the lamp lowered to its position on the harp. The cup of the fount may be carried on the lamp, or may remain on the harp.

In removing the lamp from the harp, the lamp is first lifted directly upward until it is disengaged from its supports on the harp, the harp swung to one side away from both the lamp and shade and the lamp lowered from out the shade or globe. By these means, the lamp can be easily handled, for refilling the fount or for lighting, or otherwise for removal from the harp, and with no danger of breakage to the parts or of spilling the contents of the fount.

I have shown one form of pendulum connection between the globe or shade and the

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harp, but various other forms of such connection are possible that will permit the pendulous action of the shade relative to the harp, and I do not, therefore, confine myself wholly to the form shown.

I am also aware that it is not new to support a shade ring on its harp by pivots located substantially in the plane of the ring; but such a shade support does not have pendulous motion relatively to the harp, as does the construction herein shown, so that the harp of the shade has motion in and from the harp. I do not, therefore, claim any such construction as of my invention.

What is claimed as new is—

1. In combination with a harp, of pendulum or hanging arms secured at their upper ends to the harp, and adapted to permit of a shade connected to their lower ends, moving in and out of the harp and to prevent it from swinging sidewise or laterally into contact with said harp, substantially as and for the purposes herein before set forth.

2. In combination with a lamp harp, of rigid or inflexible pendulum or hanging arms as herein before described, pivotally attached at their upper ends to said harp and secured at their lower ends to a shade supporting ring substantially as described.

3. In combination with a lamp harp, rigid from the fount support to a point above the shade ring connections, of stiff or inflexible pendulum shade ring supporting arms attached at their upper ends to the harp and connected at their lower ends to the shade ring, as set forth.

4. In combination with a harp, rigid from the fount to a point above the shade ring connections, of shade ring supporting arms secured at their upper ends to the harp and at their lower ends to the shade ring as set forth.

5. In combination with a harp rigid throughout to the point of attachment to the ceiling, of suspending shade ring arms, whose upper ends are pivotally attached to the harp and lower ends connected with the shade supporting ring, as set forth.

6. In combination with a harp rigid throughout to the point of attachment to the ceiling, of rigid or inflexible hanging arms pivotally attached at their upper ends to the harp and secured at their lower ends to shade attachments, substantially as and for the purposes herein before set forth.

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Witnesses:

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