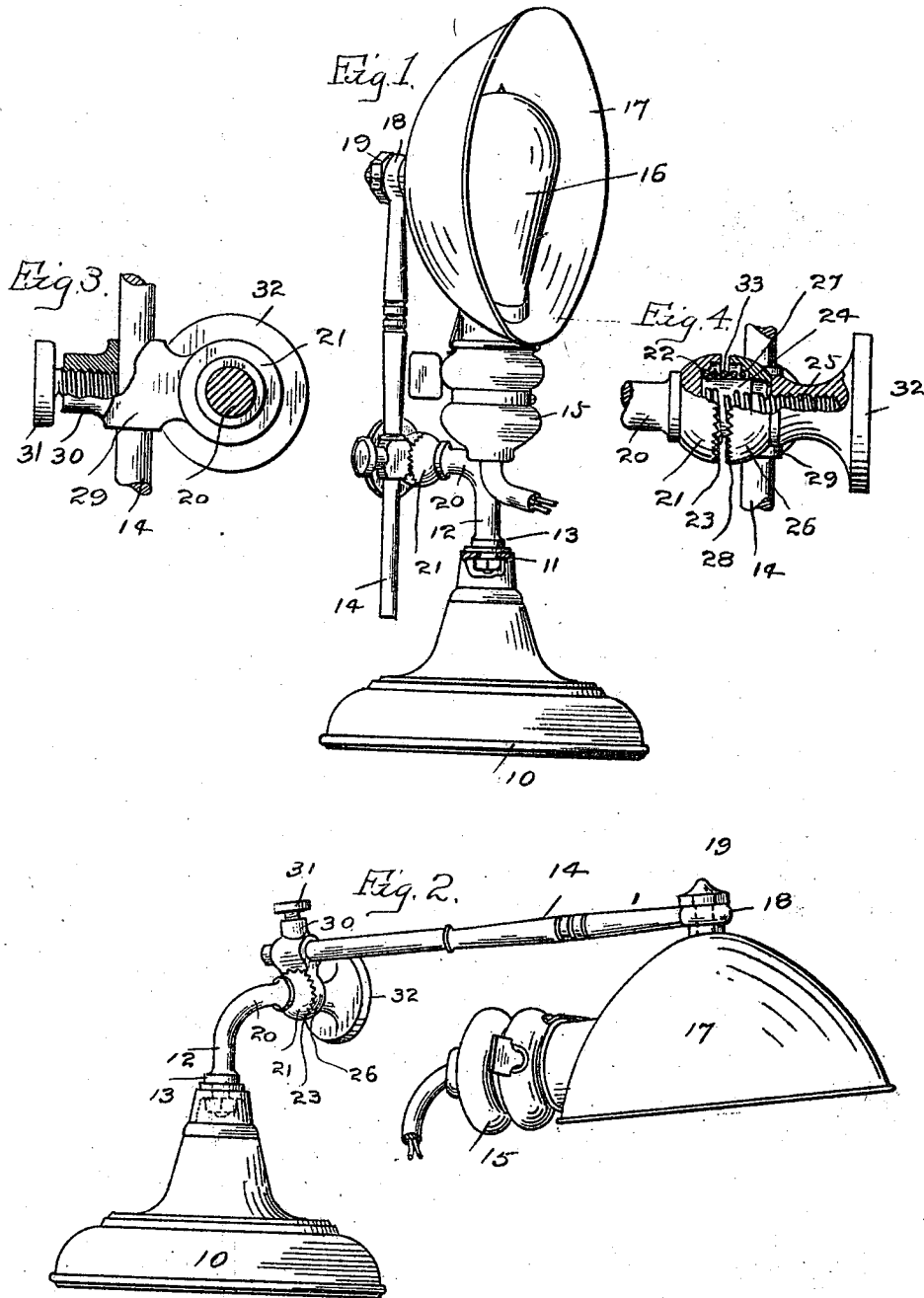


A. S. LYHNE.
ADJUSTABLE LAMP.
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WITNESSES:

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ADJUSTABLE LAMP.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANKER S. LYHNE, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented an Improvement in Adjustable Lamps, of which the following is a specification.

This invention has for its object to provide a desk or reading lamp which may be raised or lowered and may be adjusted both in the vertical and horizontal planes and which while having these adjustments may be set with the lamp in central alinement with the base under the ordinary conditions of use.

With these and other objects in view the invention consists in certain details of construction which will be hereinafter fully described and then specifically pointed out in the claims hereunto appended.

In the accompanying drawing forming a part of this specification, in which similar reference characters indicate the same parts in all of the views, Figure 1 is an elevation illustrating my novel lamp under the ordinary conditions of use; Fig. 2 a view showing an adjustment to throw the light downward as when placed on the top of a roll-top desk and used to throw the light on the table of the desk; and Figs. 3 and 4 are detail views illustrating adjustments of the parts.

10 denotes the base which may be of any suitable ornamental construction and is provided in its upper end with a hole 11 in which the standard 12 is rotatably secured, the standard being provided with a collar 13 which rests upon the top of the base and supports all the weight. The standard is relatively short and is bent at a right angle so that while the standard carrying the lamp is free to be rotated in the horizontal plane the lamp will remain in vertical alinement with the center of the base.

In the form of lamp illustrated, the lamp is carried by a reflector and the reflector is carried by a rod 14 which is vertically adjustable and may also be rotatably adjusted in the horizontal plane, as will be more fully described.

15 denotes an ornamental casing which carries the lamp socket (not shown), 16 the lamp and 17 an ordinary parabolic reflector. The details of attachment of the lamp to the reflector are not illustrated in detail as specifically they form no portion of the

present invention. The attachment of the reflector to rod 14 is likewise immaterial so far as the present invention is concerned. In the present instance the reflector is provided with a rearwardly extending threaded shank (see dotted lines Fig. 2) which passes through an eye 18 at the upper end of the rod and is engaged by a nut 19.

The connection of the rod to the standard is the important feature of the present invention. As already stated, the standard is relatively short and is bent at a right angle, the horizontal portion being indicated by 20. This horizontal portion carries a block 21 rigidly secured thereto which is provided in its face with a recess, 22, with a serrated edge indicated by 23, with a central hub 24 extending from the base of the recess and with a threaded shank 25 extending from the hub. Corresponding with block 21 is a block 26 which is adapted to oscillate on hub 24, is provided with a recess 27 in its face, with a serrated edge indicated by 28 which is adapted to interlock with the corresponding serrated edge 23 on fixed block 21 and with a laterally offset guide 29 in which rod 14 may slide freely. The guide is provided with a hub 30 in which is a set screw 31 by which the rod may be locked at any desired vertical or horizontally oscillatory adjustment. Block 26 is locked on hub 24 with the serrated edges of blocks 21 and 26 in engagement by means of a thumb nut 32 which engages threaded shank 25. In order that blocks 21 and 26 may separate the instant the set screw is loosened, I preferably provide a spring 33 which is seated in recesses 22 and 27 in the blocks and acts to separate them when the thumb nut is loosened, as clearly shown in Fig. 4. This adjustment enables me to swing the reflector and lamp bodily to any required position in the vertical plane, as for example to the position shown in Fig. 2, should it be required to throw the light downward, as for example when the lamp is placed upon the top of a roll-top desk and the light is thrown downward upon the table of the desk.

The various adjustments of the lamp may be briefly described as follows: The vertical adjustment is effected by loosening set screw 31 and raising or lowering rod 14. It is obvious furthermore that this adjustment permits the lamp to be oscillated in the horizontal plane. In ordinary upright use of the lamp, however, this adjustment is not

required owing to the fact that the standard may be oscillated freely in the base in the horizontal plane. This horizontally oscillatory adjustment of the rod is therefore ordinarily utilized only to the extent of locating the lamp in substantially vertical alinement with the center of the base, and then locking the rod in place by tightening up the set screw. Should oscillatory adjustment of the lamp in the vertical plane be required, as for example as illustrated in Fig. 2, thumb nut 32 is loosened and block 26 is oscillated on hub 24 to place the lamp in the required position in which it is locked by tightening up the thumb nut. In effecting this adjustment it will probably be required to loosen set screw 31 and oscillate rod 14 carrying the reflector and lamp into position to throw the light directly downward or wherever required, the lamp being locked in position by tightening up the set screw again. In ordinary use of the lamp, that is in the upright position, as in Fig. 1, oscillatory adjustment in the horizontal plane is effected by simply swinging the standard on the base, the rod, reflector and lamp being carried around with it, any changes in adjustment in the horizontal plane not affecting the vertical alinement of the lamp with the center of the base.

Having thus described my invention I claim:

1. The combination with a base, a standard rotatably secured thereto and bent at a right angle and a fixed block carried by the standard and having a hub lying in the horizontal plane and a serrated edge lying in the vertical plane, of a block adapted to oscillate on the hub and having a corresponding serrated edge and a laterally offset guide, a lamp carrying rod adjustably secured in the guide and means for locking the oscillatory block at any required adjustment in the vertical plane.

2. The combination with a base, a standard rotatably secured thereto and bent at a right angle and a fixed block carried by

the standard and having a hub lying in the horizontal plane and a serrated edge lying in the vertical plane, of a block adapted to oscillate on the hub and having a corresponding serrated edge and a laterally offset guide, a spring socketed in said blocks, for the purpose set forth, a lamp-carrying rod adjustably secured in the guide and means for locking the oscillatory block at any required adjustment in the vertical plane.

3. The combination with a base, a standard rotatably secured thereto and bent at a right angle, a fixed block carried by the standard and having a hub and a threaded shank lying in the horizontal plane, a recess surrounding the hub and a serrated edge lying in the vertical plane, of a block adapted to oscillate on the hub and having a corresponding recess, a serrated edge and a laterally offset guide, a spring socketed in the recesses, a lamp-carrying rod in the guide, a set screw for locking the rod at any required vertical or horizontally oscillatory adjustment and a thumb nut engaging the threaded shank for locking the oscillatory block at any required adjustment in the vertical plane.

4. The combination with a base, a standard rotatably secured thereto and bent at a right angle and a fixed block on said standard having a hub lying in the horizontal plane and a serrated edge lying in the vertical plane, of a corresponding block adapted to oscillate on the hub, a laterally offset guide carried by the oscillatory block, a lamp-carrying rod vertically and rotatably adjustable in the guide, whereby the lamp may be placed in central vertical alinement with the base, and means for locking the oscillatory block.

In testimony whereof I affix my signature in presence of two witnesses.

ANKER S. LYHNE.

Witnesses:

CHAS. PHILLIPS,
HERMAN K. BEACH.