(No Model.)

A. H. RYDER.

DESK LIGHT.

No. 589,032. Patented Aug. 31, 1897.

Fig. 1

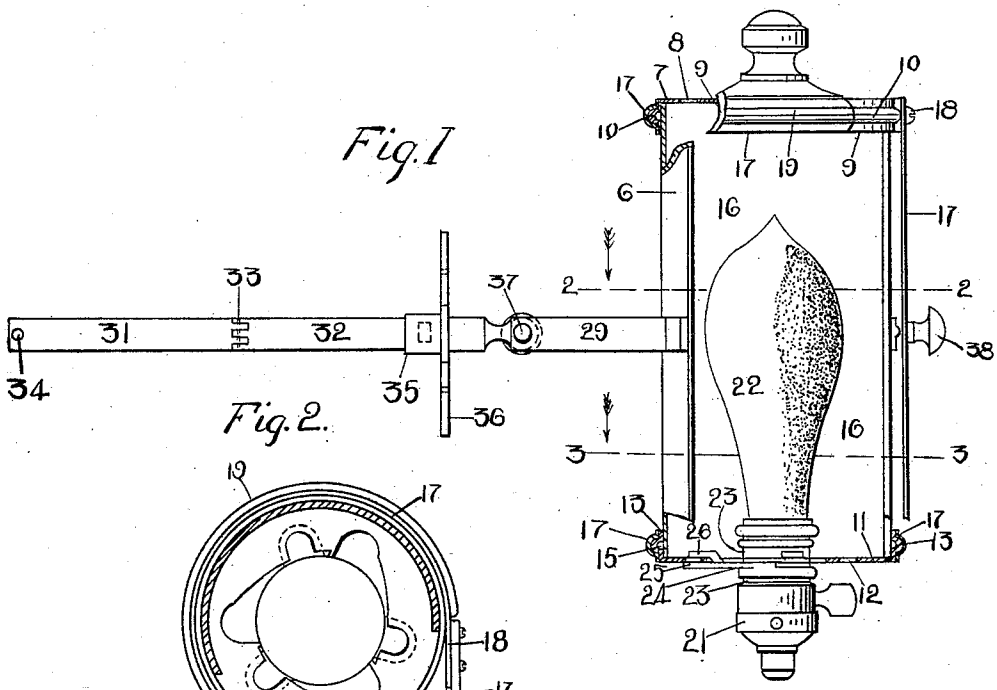


Fig. 2.

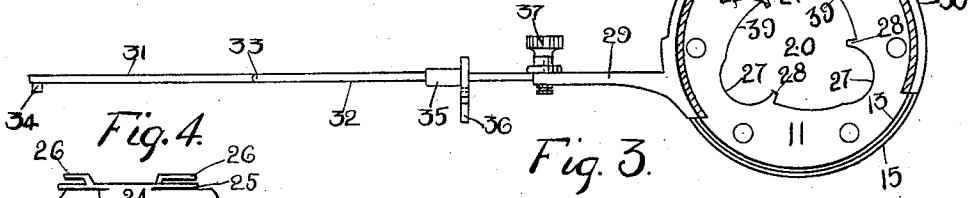
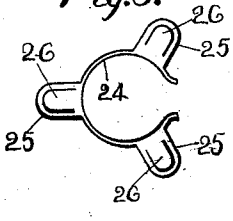


Fig. 3.

Fig. 4.

Fig. 5.



WITNESSES

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DESK-LIGHT.

SPECIFICATION forming part of Letters Patent No. 589,032, dated August 31, 1897.

Application filed December 30, 1896. Serial No. 617,467. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR H. RYDER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Desk-Lights, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to desk-lights; and the object thereof is to provide an improved device of this class which may be connected with a desk by means of an arm composed of sections which are hinged together and provided with a slide, the slide being employed for securing the light to the desk, a further object being to provide a desk light or lamp of improved form and construction the body portion of which is cylindrical in form and which is provided with a shade which is connected therewith by means of circular clasps or clamps, whereby the shade may be turned on the casing or body portion of the light, said casing or body portion of the light being also provided with an opening in one side thereof; and with these and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a bottom plan view of my improved light when the same is held in a horizontal position, part of the construction being shown in section; Fig. 2, a section of the casing or body portion on the line 2 2; Fig. 3, a similar section with the shade in position; Fig. 4, a side view of a spring-clamp which is employed for holding the light in the casing, and Fig. 5 is a plan view thereof.

In the drawings forming part of this specification the separate parts of my improvement are designated by the same numerals of reference throughout the several views, and in the practice of my invention I provide a light which comprises a body portion or casing 6, which is cylindrical in form and provided at one end with a cap 7, through which are formed ventilating holes or openings 8, and around the perimeter of the cap 7 and inclosing the adjacent end of the casing is a band 9, provided centrally of its outer side with an annular bead 10. The opposite end of the casing is also provided with an end piece or head 11, in which are formed similar ventilating holes or openings 12, and around this end of the casing is placed an annular band 13, which also incloses the end of the circular or cylindrical casing and which is provided centrally of its outer side with an annular bead 15.

The casing or body portion 6 is provided in one side thereof with a longitudinal opening 16, and I also provide a shade 17, which is preferably composed of sheet metal and which is provided at each end with a circular spring clasp or clamp 17, which is secured thereto, as shown at 18, and these circular spring-clamps 17 inclose the bands 9 and 13 at the ends of the casing, and each of said spring-clamps is provided centrally and longitudinally thereof with beads 19, whereby corresponding grooves are formed in their inner surfaces in which the beads 10 and 15 on the bands 9 and 13 fit. The spring-clamps 17 serve to hold the shade in place, and said clamps are adapted to turn on the bands 7 and 13 or on the annular beads 10 and 15 formed thereon, and by this means the shade may be adjusted to any desired position with reference to the opening 16 in the casing 6.

The end piece or head 11 of the casing is provided centrally with an irregular opening 20, and in the practice of my invention I provide an incandescent light which comprises the usual head 21, with which may be connected the usual incandescent bulb 22, and this head and bulb are of the usual construction, and the head 21 is provided with a neck 23, on which is placed an open spring ring-clamp 24, which is provided at regular intervals with outwardly-directed arms 25, three of which are employed, and each of which is provided on its upper surface with an outwardly-directed tongue 26, and the opening 20 in the end piece 11 of the casing is provided with three semicircular notches or recesses 27, which are arranged at equal distances apart, and adjacent to each is a lug or projection 28, and between the semicircular notches or recesses 27 and the lugs or projections 28, and at one side of each, the bot-

tom portion or end piece 11 is cut away to form circular or segmental curves, as shown at 39, and in order to connect the light with the casing the spring-clamp 24 is mounted on the neck of the head 21 and the arms 25 of said clamp are passed through the semicircular notches or recesses 27 and the clamp is turned so that the tongues 26 which are formed on said arms will pass over the upper surface of the end piece 11 of the casing and securely lock the light therein.

Secured to the casing 6, and centrally thereof, is an arm 29, which is provided with a circular head 30, which extends from one side of the slot or opening 16 to the other and which is secured to the casing in any desired manner, and pivotally connected with the arm 29 is an extension which is composed of two separate sections 31 and 32, which are hinged or pivotally connected at 33, and the outer end of the outer section is provided on its lower side with a lug or projection 34, and mounted on the extension of the arm 29 is a slide 35, which is provided with a plate 36, which projects at right angles thereto and by means of which the light is secured or may be secured to the top of a desk or to any part thereof.

The connection between the arm 29 and the extension thereof is made by means of a set-screw 37 and said arm may be securely clamped to said extension thereby, and when the slide 33 is mounted on the section 32 of the extension of the arm 29 the light will be held in a horizontal position, and when said extension is pulled outwardly until the slide 35 is on the section 31 the light may be swung down into a vertical position. The object of this construction is to adapt the device for use in connection with a roll-top desk, but it will be apparent that my improved light may be connected with any form of a desk and with various other articles of furniture, or it may be connected with a wall or other support.

The holes or openings 8 and 12 in the end pieces 7 and 11 are not essential to the operation of the device, and in practice I prefer to roughen or color one side of the electric bulb, so as to render the same translucent, as is clearly shown in the drawings, and the shade 11 is provided with a knob or handle 38, by which it may be manipulated, and it will be apparent that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages.

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

1. The herein-described lighting device which consists of a cylindrical casing which is provided in one side thereof with an oblong opening, a shade which is connected with said casing by means of circular spring clamps or bands, which are adapted to turn thereon, said casing being also provided with an arm which is secured thereto, and which is provided with an extension, consisting of two sections which are hinged together, and a slide which is mounted on said extension, and provided with a transverse plate, by which the light is secured to a desk or other article, substantially as described.

2. The herein-described lighting device which consists of a cylindrical casing which is provided in one side thereof with an oblong opening, a shade which is connected with said casing by means of circular clamps or bands, which are adapted to turn thereon, said casing being also provided with an arm which is secured thereto, and which is provided with an extension, consisting of two sections which are hinged together, and a slide which is mounted on said extension, and provided with a transverse plate, by which the light is secured to a desk or other article, said casing being also provided with end pieces in one of which is formed an opening which is adapted to receive the head of an incandescent electric light, said head being provided with a spring clasp or clamp by which it is held in the casing, substantially as shown and described.

3. The herein-described lighting device, the same consisting of a cylindrical casing which is provided with two end pieces, one of which is provided with an opening which is adapted to receive the head of an incandescent electric light, which is provided with means for securing it in the casing, said casing being also provided in one side thereof with a longitudinal opening, and with a shade which is connected with the casing by means of circular spring-clamps which are adapted to turn on said casing, and said casing being also provided with an arm which is secured thereto, and to which is secured an extension which is composed of two sections which are hinged or pivoted together, and a fastening device which is mounted on said extension and adapted to slide thereon, and by means of which the light may be secured to a desk or other article, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in the presence of the subscribing witnesses, this 26th day of December, 1896.

ARTHUR H. RYDER.

Witnesses:
THOS. A. ACTON,
C. GERST.