Aug. 26, 1930. S. J. KOLLER 1,774,331

MIRROR SEARCHLIGHT

Filed Aug. 9, 1929

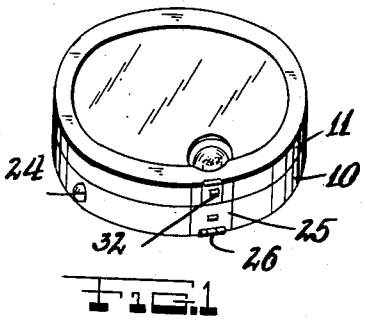


FIG. 1

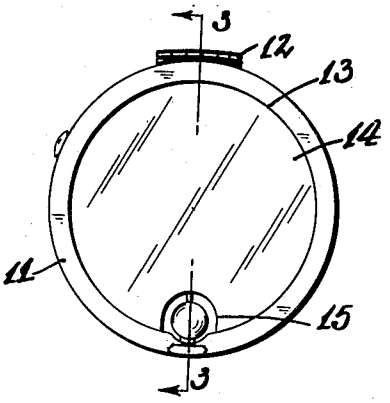


FIG. 2

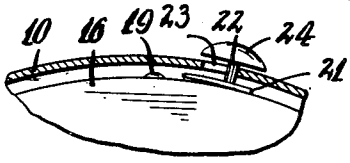


FIG. 4

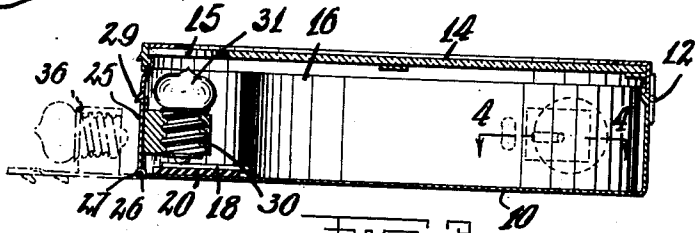


FIG. 3

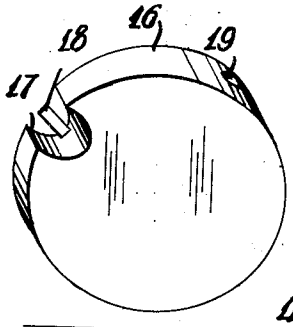


FIG. 5

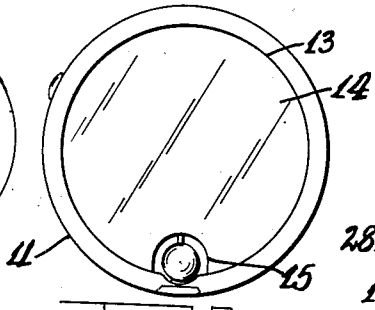


FIG. 9

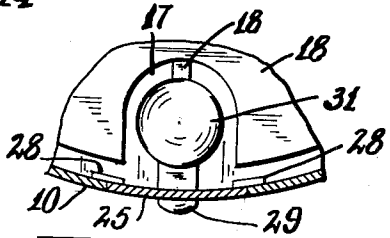


FIG. 8

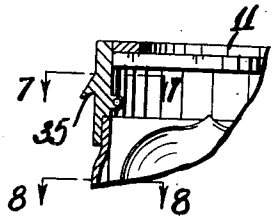


FIG. 6

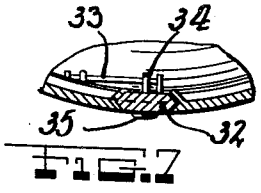


FIG. 7

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UNITED STATES PATENT OFFICE

STEPHEN J. KOLLER, OF SOUTH BEND, INDIANA

MIRROR SEARCHLIGHT

Application filed August 9, 1929. Serial No. 384,630.

This invention relates to new and useful improvements in search lights and has more particular reference to a novel mirror search light.

The invention has for an object the provision of a device of the class mentioned which is of simple durable construction, dependable in use and efficient in action, and which can be manufactured and sold at a reasonable cost.

The invention proposes a mirror search light intended for the ladies and including a flat circular case with a top mirror having a non-mirror area, a lamp positioned within the case beneath the non-mirror area and connected in a circuit with a battery also contained in the case and said circuit including a switch operable by a hand button on the outside of the case. A means may be provided for allowing a renewing of the lamp.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a perspective view of a device constructed according to this invention.

Fig. 2 is a plan view of Fig. 1.

Fig. 3 is an enlarged vertical sectional view taken on the line 3—3 of Fig. 2, certain parts not being shown in section.

Fig. 4 is a fragmentary sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is a perspective view of the battery used in the device.

Fig. 6 is an enlarged detailed view of a portion of Fig. 3.

Fig. 7 is a horizontal sectional view taken on the line 7—7 of Fig. 6.

Fig. 8 is a horizontal sectional view taken on the line 8—8 of Fig. 6.

Fig. 9 is a similar view to Fig. 2 with the cover hinge eliminated.

The reference numeral 10 indicates generally the bottom container of a flat circular case preferably highly ornamented and plated with gold, white gold or the like. A cover 11 is hinged as at 12 upon the container 10 and has a top window 13 closed by a mirror 14 having a plain glass area 15.

A battery is housed within the casing and consists of a flat circular body portion 16 of a diameter slightly smaller than the bottom container 10 and formed with an alcove 17 directly beneath the plain glass area 15. The battery has a terminal tongue 18 extending beneath the alcove 17, and another terminal consisting of a button 19 on its edge.

An insulation strip 20 is attached within the container 10 directly beneath the terminal tongue 18 of the battery. A contact plate 21 is connected with a neck 22 slidably engaging thru a slot 23 formed in the side of the container 10, and a hand button 24 is attached upon the outer end of the neck so that the contact plate 21 may be laterally moved for engaging against the button contact 19 of the battery and close an electric circuit from the terminal 19 to the container 10. Certain of these parts should be made a tight fit within the container so as to frictionally maintain their position and cause the contact plate 21 to maintain its position in contact with the contact button 19 when so placed or in another position to remain out of contact with this button.

The bottom container 10 is formed with a vertical section 25 in one side, and extending from the top to the bottom and hinged at the bottom by a hinge 26 connected with the base of the container. A spring 27 is coaxially mounted upon the hinge and arranged to normally urge the section 25 inwards against stop lugs 28 secured to a portion of the container immediately adjacent the section 25. This arrangement permits the section to be pivoted forwards but restrains back pivoting only to the vertical. The section 25 is formed with a finger nail grip 29 on its front face. A lamp socket 30 is soldered upon the inner face of the section 25 and is arranged for holding a lamp 31 directly beneath the non-mirror area 15 and

with its bottom contact in connection with the terminal tongue 18.

The cover 11 is formed with a vertical section 32 vertically slidably mounted and normally held in a stationary position by a flat spring 33 connected between a lug 34 from the section and a portion of the cover adjacent the said section. The section 32 is provided with a finger nail grip 35. In its normal position, its bottom edge is in line with the bottom edge of the cover and when the cover is closed upon the container 10, this section engages over the top portion of the section 25 for locking the latter against outward pivoting.

In operation of the device, a user may look into the mirror for viewing herself and manually move the button head 24 for closing a circuit which includes battery terminal 19, contact plate 21, container 10, lamp socket 30, the lamp 31 and finally the terminal tongue 18. The lamp will then be illuminated for throwing light upon the user's face and permitting extremely efficient use of the mirror.

The battery may be renewed by opening the cover and removing the entire battery. When the tongue 18 of the battery is disengaged from beneath the socket 30, the section 25 may be pivoted outwards for permitting the disengaging. If the lamp 31 burns out and it is desired to replace the lamp only, the section 32 may be manually raised for freeing the section 25 which may then be pivoted outwards as indicated by the dot and dash lines 36 in Fig. 3, which then permits the replacement desired.

While I have shown and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:—

1. A mirror search light, comprising a flat case with a top window, a mirror closing the window opening and formed with a small non-mirror portion, a lamp within the casing and beneath the non-mirror portion, a battery for illuminating the lamp, said lamp being soldered upon a section of the side of the casing, said section being hingedly mounted and urged into normal condition by a spring and normally held against outward pivoting, by engagement with a movable section of a cover of said casing, a terminal tongue attached on said battery, and said lamp being in an operative position on the tongue when said section is in a normal position and disconnected from the tongue when the section is pivoted outward.

2. A mirror search light, comprising a flat case with a top window, a mirror closing the window opening and formed with a small non-mirror portion, a lamp within the casing and beneath the non-mirror portion, and a battery for illuminating the lamp, said lamp being supported upon a section of the side of the casing, said section being hingedly mounted, means normally urging the section against the casing, and means for locking said section against said casing.

3. A mirror search light, comprising a flat case with a top window, a mirror closing the window opening and formed with a small non-mirror portion, a lamp within the casing and beneath the non-mirror portion, and a battery for illuminating the lamp, said lamp being soldered upon a section of the side of the casing, said section being hingedly mounted and urged into normal condition by a spring and normally held against outward pivoting.

4. A mirror search light, comprising a flat case with a top window, a mirror closing the window opening and formed with a small non-mirror portion, a lamp within the casing and beneath the non-mirror portion, and a battery for illuminating the lamp, said lamp being soldered upon a section of the side of the casing, said section being hingedly mounted and urged into normal condition by by a spring and normally held against outward pivoting, by engagement with a movable section of a cover of said casing.

In testimony whereof I have affixed my signature.

STEPHEN J. KOLLER.