March 25, 1924. 1,487,758

E. RABIDEAU

PORTABLE ELECTRIC LIGHT

Filed Feb. 23, 1923

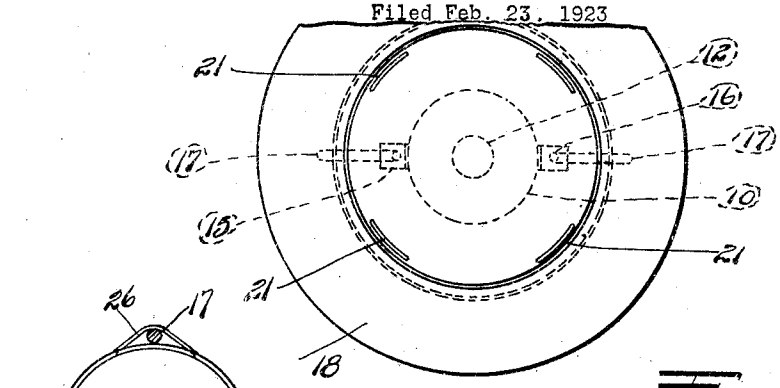


Fig. 2.

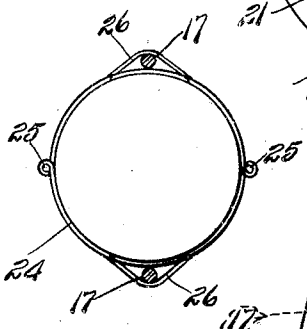
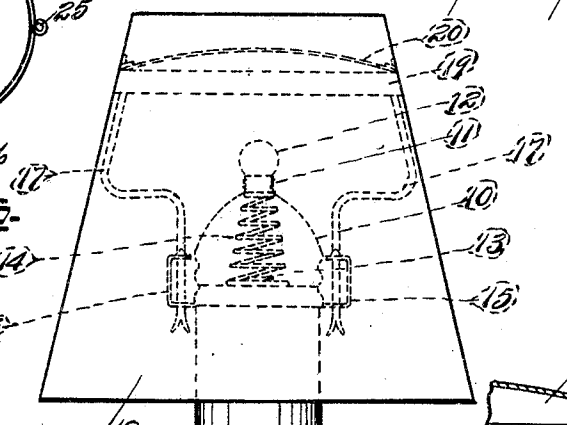


Fig. 5.



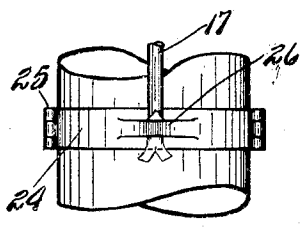


Fig. 4.

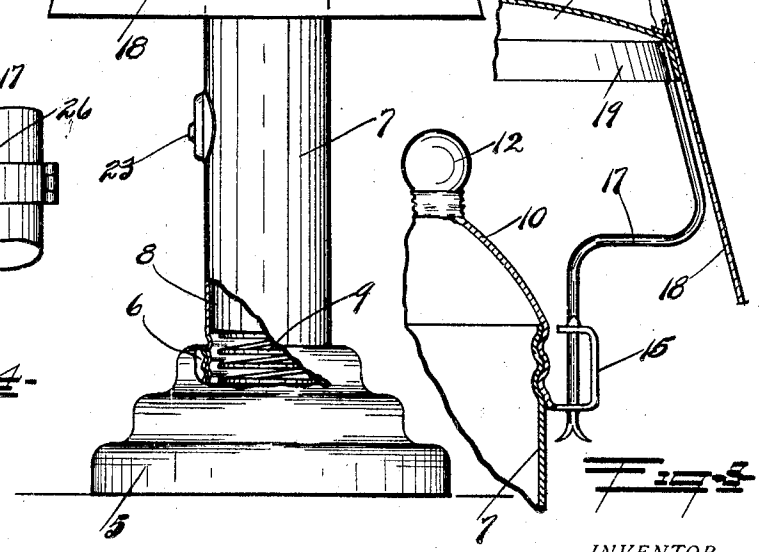


Fig. 3.

Fig. 1.

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UNITED STATES PATENT OFFICE.

EMIL RABIDEAU, OF BAY CITY, MICHIGAN.

PORTABLE ELECTRIC LIGHT.

Application filed February 23, 1923. Serial No. 620,803.

To all whom it may concern:

Be it known that I, EMIL RABIDEAU, a citizen of the United States of America, and a resident of Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Portable Electric Lights, of which the following is a specification.

This invention relates to improvements in portable electric lights, and particularly to a light used as a toy for small children, but which is also very convenient and practical for use by grown people.

One object of the invention is to provide a novel and attractive portable light which is composed of few parts and of cheap and durable construction.

A further object of the invention is to provide novel shade supporting means which will be securely attached to the body of the light.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts, hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes may be made in the form, size, proportion and minor details of construction, without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—

Figure 1 is a part sectional side view of my improved portable electric light.

Figure 2 is a fragmentary top plan view thereof.

Figure 3 is an enlarged fragmentary sectional view of the shade and support.

Figure 4 is a fragmentary view of the cylindrical battery holder illustrating an alternate form of shade support attached thereto.

Figure 5 is a top plan view thereof.

Referring now particularly to the drawing in which I have shown the preferred embodiment of my invention, the numeral 5 indicates the base of the light which is preferably formed of sheet metal having an interior threaded opening 6 into which the threaded end of the cylinder or battery holder 7 is threaded. This cylinder is similar to the shell of a conventional flash-light and is adapted to receive a battery 8 therein, a coiled spring 9 being interposed between the bottom of the shell and the end of the battery in the usual manner.

A special cone shaped threaded cap member 10 is fitted to the upper end of the shell which is threaded to receive it, a socket 11 being formed in the end and into which an incandescent bulb 12 is threaded, a raised terminal 13 is formed on one end of the battery and a cone shaped coil spring member 14 is interposed between the battery and the said bulb and forms a connection therebetween, the lower end of the spring being formed with a small loop which engages the said contact.

The top 10 is formed with outwardly projecting ears 15 formed integral therewith and these ears are adapted to be bent out and upwardly and thence inwardly as shown, openings 16 being formed therein, and when the said ears are formed to shape are in direct vertical alinement with each other, these openings are adapted to receive the arms 17 which serve as a support for the shade 18, the upper ends of the arms being spotwelded to the rim 19 of a reflector 20, the top of which is provided with elongated slots 21 located in spaced relation, these slots allowing rays of light to be directed upwardly, while the reflector has a tendency to reflect the bulk of the light downwardly.

The shade can be formed of any suitable material such as cloth or paper and is cone shaped as shown, an annular ring 22 being secured on the interior to properly space and support it on the reflector rim, this can also be formed of paper and glued to the shade.

The light is controlled by means of a switch 23 located intermediate the ends of the cylinder, and is of the conventional type used on all flash-lights, and I do not deem it necessary to illustrate or describe it in detail.

In Figs. 4 and 5 of the drawing I have shown an alternate form of shade support which is adapted to be clamped to the cylinder or battery holder, this comprises a flat metal ring 24 formed in two sections and hinged together by means of pins 25, each of these sections is split as shown at 26, and the metal sufficiently expanded to allow the arms 17 to be inserted, these arms being flatted near the ends to prevent their disengagement.

As stated the light is especially designed as a toy for children who can use it on a

small table or other minature furniture, but it is also very practical for grown people to use when entering a dark room which is not wired, out of doors, or where electricity cannot be procured, they are also very ornamental to use as side lights for buffets as a substitute for candles, etc.

The construction of the shade and support is such that it will withstand the rough usage to which it is generally subjected by children, and there are no loose parts or fittings to become lost or broken. This construction also lends itself to quantity production and is very easy to manufacture and assemble.

From the foregoing description it will be obvious that I have perfected a very simple, convenient and practical portable electric light.

What I claim is:—

1. A portable electric light comprising a base having a cylindrical battery holder mounted thereon, a cone shaped cap enclosure therefor provided with ears or wings formed integral therewith, supports secured in said ears or wings and a reflector secured to the upper ends of said supports and adapted to support a shade thereon.

2. A portable electric light comprising a base, a cylindrical battery holder threaded thereinto, a cone shaped cap threaded on said holder and provided with laterally extending ears integral therewith, arms mounted in said ears, and a reflector secured to the upper end of said arms, elongated slots in the reflector and means for securing a shade thereto.

3. A portable electric light comprising a base, a battery holder threaded thereinto, a cone shaped cap member threaded onto the upper end of said holder, and laterally extending ears formed integral therewith, openings in said ears, and arms mounted therein, a reflector secured to said arms and formed with elongated slots therein, and means for securing a shade on said reflector.

4. A portable electric light comprising a base having a cylindrical battery holder threaded thereinto, a cone shaped cap threaded onto the upper end of said holder, shade supporting arms supported on the holder, a reflector secured to the upper end of said arms, and means for securing a shade thereon.

In testimony whereof I affix my signature.

EMIL RABIDEAU.