A. L. WEBB.

ELECTRIC LAMP FOR SMALL FIREARMS.

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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Witnesses

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1,095,696.


To all whom it may concern:

Be it known that I, ALBERT L. WEBB, a citizen of the United States, residing at Sudbrook Park, in the county of Baltimore, and State of Maryland, have invented certain new and useful Improvements in Electric Lamps for Small Firearms, of which the following is a specification:

The object of the invention is to provide an electric lamp operated by a battery and placed in a pistol, so that a person when exploring a dark place such as a room or cellar, may conveniently carry in one hand a pistol and in the other hand a lamp, whereby he may have a view of the objects, leaving his other hand free for use.

Another object of the invention is to combine with the side of the barrel of a pistol an electric lamp operated by a battery and means for readily attaching the said lamp and battery to the pistol, whereby the light of the lamp will enable the person holding the pistol to point or sight the weapon.

The accompanying drawing illustrates one form for the embodiment of my inventive idea.

Figure 1 is a side view of an ordinary pistol, or revolver to which an electric lamp and battery is shown attached. Figure 2 is a view showing the electric lamp and battery and a longitudinal section of their inclosing case,—the view being on a scale larger than shown in Fig. 1. Figure 3 is a cross-section of the lamp-inclosing case on the line 3-3 of Fig. 2. Figure 4 is a vertical end view looking at the nozzle of the pistol-barrel, and at the lens of the lamp-inclosing case,—the parts being shown on the same scale as the device in Figs. 2 and 3.

In the drawing no endeavor has been made at either accuracy or completeness of detail in illustrating the structure of the pistol.

It is contemplated that the improvement of this invention may be applied to any or all of the various makes of pistols now in use.

Referring to the drawing, the numeral, 5, designates the barrel of a pistol; 6, the revolving cartridge chamber; and, 7, the hammer. The numeral, 8, designates an electric lamp; 9, the storage battery; 10, a case that incloses the lamp and battery.

The end of the case has a clear translucent glass lens, 11, which may be secured in position by any suitable means, such as a ring, 14; within the case and near the said lens is a concave reflector, 12, the concave face being outward or toward the said lens. This reflector should have the quality or characteristic of being translucent, to permit the passage of a part of the light of the lamp, 8, and should preferably be white; the reflector is provided with a central hole or opening, 13, which permits the passage of the full rays of light of the said lamp.

Any suitable means may be used by which the case containing the lamp and battery may be attached to the pistol. In the present instance the lamp and battery are shown attached to the pistol barrel, but they may be otherwise attached. Two clips, 15, are employed; the shank end of these clips are permanently secured to the case, 10, and the clips project therefrom; the clips are oppositely curved to adapt them to take on the cylindric side of the pistol-barrel, 9, as shown. I prefer to have the case, 10, directly below the barrel, as this position does not increase the inconvenience of carrying the pistol in a pocket; another advantage is the straight line along the top of the barrel is left clear for sighting.

One feature of this invention is the provision whereby a very slight pull movement of the trigger, 16, will close the circuit and raise the electric light of the lamp, 8, to glow. In carrying out this part of the inventive idea, I attach one wire, 17, of the circuit to some convenient part of the metal frame, say at, 19, and the other wire, 18, of the circuit is attached to the trigger guard, 20, and a suitably-shaped contact, 21, is within said guard in proximity to the end of the trigger, 16.

It will be understood that the trigger of all pistols has a slight free movement that ordinarily does not affect the hammer, 7; this slight movement of the trigger is availed of by a gentle pull of a finger of a person's hand on the trigger, and thereby the trigger acts as a switch and comes in contact with piece, 21, and closes the electric circuit causing the lamp, 8, to show a bright glow. When the lamp is lighted a portion of the full bright rays of the electric light passes through the hole, 13, in the reflector, 12, and the modified or milder light passes the white translucent surface, 110.
12, and the light in both forms is projected forward by the concave shape of the reflector and the lens, 11, to the object. The result is that the translucent surface throws a mild light on the object within the larger area, which of course is greatly expanded by the lens, 11, and the hole, 13, in the reflector throws a clear, bright light of much greater intensity but of lesser area in the center of the mild light. The effect of this light when used in any dark place, is greatly to the advantage of the person holding the pistol.

The inventive idea here disclosed includes the combination with a firearm that is fired by pulling a trigger—such as a pistol—of an electric lamp, its operating battery, and circuit wires that include the said trigger, whereby a slight pull on the trigger will close the circuit and cause the lamp to glow, and a further pull on the trigger will fire the pistol.

Having thus described my invention what I claim and desire to secure by Letters Patent is:

The combination with a pistol barrel, of a cylindric case inclosing an electric lamp and battery and having at its end a clear magnifying lens, and said case provided intermediate the said lamp and lens with a white translucent concave reflector to permit the passage of a mild light and said translucent reflector having a central hole which permits the passage of the full bright rays of light, whereby the said magnifying lens will throw the mild light of the translucent reflector greatly expanded, and also throw the full bright light of lesser area but greater intensity in the center of the mild light.

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

ALBERT LEE WEBB.

Witnesses:

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