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LAMP ATTACHMENT FOR FIREARMS.

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Fig. 3.

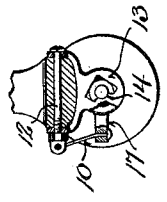


Fig. 1.

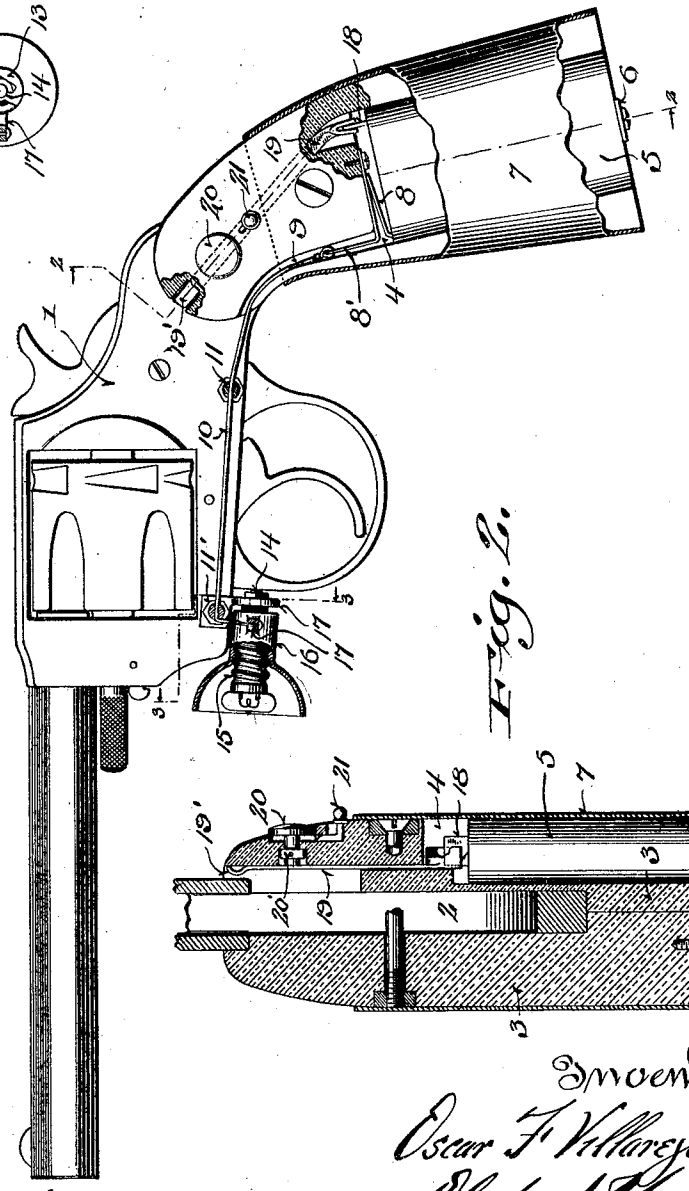


Fig. 2.

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UNITED STATES PATENT OFFICE.

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LAMP ATTACHMENT FOR FIREARMS.

1,120,769. Specification of Letters Patent. Patented Dec. 15, 1914.

Application filed December 26, 1913. Serial No. 808,640.

To all whom it may concern:

Be it known that I, OSCAR F. VILLAREJO, a citizen of Cuba, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Lamp Attachments for Firearms; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention refers to fire-arms, its object being to provide a simple, economical and effective flash-light attachment thereto, the same being so constructed and arranged as to render it possible to flash the light for inspection of premises and when so desired the light can thus be utilized for directing the aim of the weapon.

With the above objects in view the invention consists in certain peculiarities of construction and combination of parts as set forth hereinafter with reference to the accompanying drawings and subsequently claimed.

In the drawings Figure 1 represents a side elevation of a pistol embodying a flash-light attachment in accordance with my invention, parts being broken away and in section to more clearly illustrate details of construction; Fig. 2, a sectional view through the pistol-grip, the section being indicated by line 2—2 of Fig. 1, and Fig. 3, a detailed sectional view through a portion of the locking frame, showing a lamp-attaching means.

Referring by characters to the drawings, 1 represents the metallic locking frame of a standard pistol having a metallic shank 2 extending therefrom, to which shank is attached a two-part grip 3, which grip is preferably constructed from non-conductive material, whereby a current of electricity may be insulated. The gripping member 3 is provided with a recess 4 for the reception of a battery 5, which battery is of a size to fit snugly within the recess and is supported at one end by means of a pivoted button 6, being held in its position by an endless band 7, which band surrounds the grip and conceals the battery, the said band or sheath being preferably composed of rubber. Thus it will be seen that the battery can be readily removed from its recess and a fresh battery substituted therefor. One terminal 8 of the battery is arranged to engage a pivoted spring terminal 8′, which spring terminal is secured to the upper wall of the grip recess 4 and has an angular extension that is fitted in a groove 9 of the grip. The angular extension of the spring terminal 8′ has secured thereto an insulated conductor wire 10, which wire is threaded through eyes 11, 11′, that project from nut-heads, which are in threaded union with the locking frame.

As best shown in Fig. 3, the nut-head which carries the eye 11′ engages a retaining bolt 12, which retaining bolt serves as a means of attaching a bracket 13 to the locking frame. This bracket is provided with a projecting apertured ear for the reception of a lamp-socket bolt 14, the said bolt being arranged to form one terminal of the battery circuit, being in electrical contact with the threaded shank 15 of a lamp, which shank is in screw-threaded union with a lamp-socket 16. The lamp-socket 16 is provided with a projecting apertured ear 17, which ear is adapted to receive the headed end of the conductor wire 10. The battery 5 is also provided with a terminal 18, that engages the forked end of a metallic contact spring 19. This spring is seated within a recess formed in the grip 3 and has its free end 19′ arranged to engage the locking frame 1 under control of a push-button 20, the stem of which push-button projects through an aperture that is formed within the grip. The said push-button 20 is confined by a collar 20′ and, when it is desired to close the lamp circuit, it is apparent that the push-button 20 may be pressed inwardly to cause the free end of the contact spring 19 to press against the adjacent face of the locking frame and, when so operated, the battery circuit is completed, causing the current to travel from the battery terminal 18 through spring 19 and the locking-frame 1. From thence the current passes through the eared bracket 13 and terminal-screw 14 to the lamp and from the shell of the lamp the circuit is completed by traveling through the socket 16 and from thence through the conductor wire 10 to the other terminal 8 of the battery. When the weapon is carried in the pocket, as a safety means, the push-button 20 is provided with a locking pin 21, which locking-pin is in slidable union with a recess that is formed in the grip 3. Hence when the pin is pushed inwardly the button is locked against movement, whereby it will not, through pressure, cause the lamp

circuit to be inadvertently closed and thus waste the battery energy. It will be further observed that the battery can readily be removed and, when placed in position within the grip, its terminals will form the desired connections, whereby the lamp circuit may be completed. It is also obvious that the lamp bulbs of standard type may be utilized and replaced when desired, and, in the operation, by a simple movement of the finger, the party utilizing the weapon can readily throw a stream of light to direct firing or for the purpose of inspection.

I claim:

1. In a fire-arm having a locking frame provided with a shank, a recessed gripping member carried thereby, a battery fitted in the gripping member recess, and a contact spring in connection with the battery having a free end adapted to engage the locking frame; the combination of an eyed retaining bolt carried by the locking frame, a bracket supported by the eyed retaining bolt, a socket-bolt carried by the bracket, a lamp-socket supported by the socket-bolt, a lamp having a threaded shank in engagement with the lamp socket, an ear extending from the lamp socket, an insulated conductor wire secured to the ear and extending through the eye of the bracket-retaining bolt, means connecting the opposite end of the conductor with the battery, and a circuit-closing push-button mounted within the gripping member clear of the working parts of the fire-arm.

2. In a fire-arm having a locking frame provided with a shank, a recessed gripping member carried thereby, a battery fitted in the gripping member recess, and a contact spring in connection with the battery having a free end adapted to engage the locking frame; the combination of an eyed retaining bolt carried by the locking frame, a bracket supported by the eyed retaining bolt, a socket-bolt carried by the bracket, a lamp-socket supported by the socket-bolt, a lamp having a threaded shank in engagement with the lamp socket, an ear extending from the lamp socket, an insulated conductor wire secured to the ear and extending through the eye of the bracket-retaining bolt, means connecting the opposite end of the conductor with the battery, a circuit-closing push-button mounted within the gripping member clear of the working parts of the fire-arm, and a locking pin carried by the gripping member for engagement with the push-button.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee in the county of Milwaukee and State of Wisconsin in the presence of two witnesses.

OSCAR F. VILLAREJO.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."