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OR 944,449

W. L. LONG.

FLASH LIGHT ATTACHMENT FOR GUNS.

APPLICATION FILED JAN. 29, 1909.

944,449. **Patented Dec. 28, 1909.**

2 SHEETS—SHEET 1.

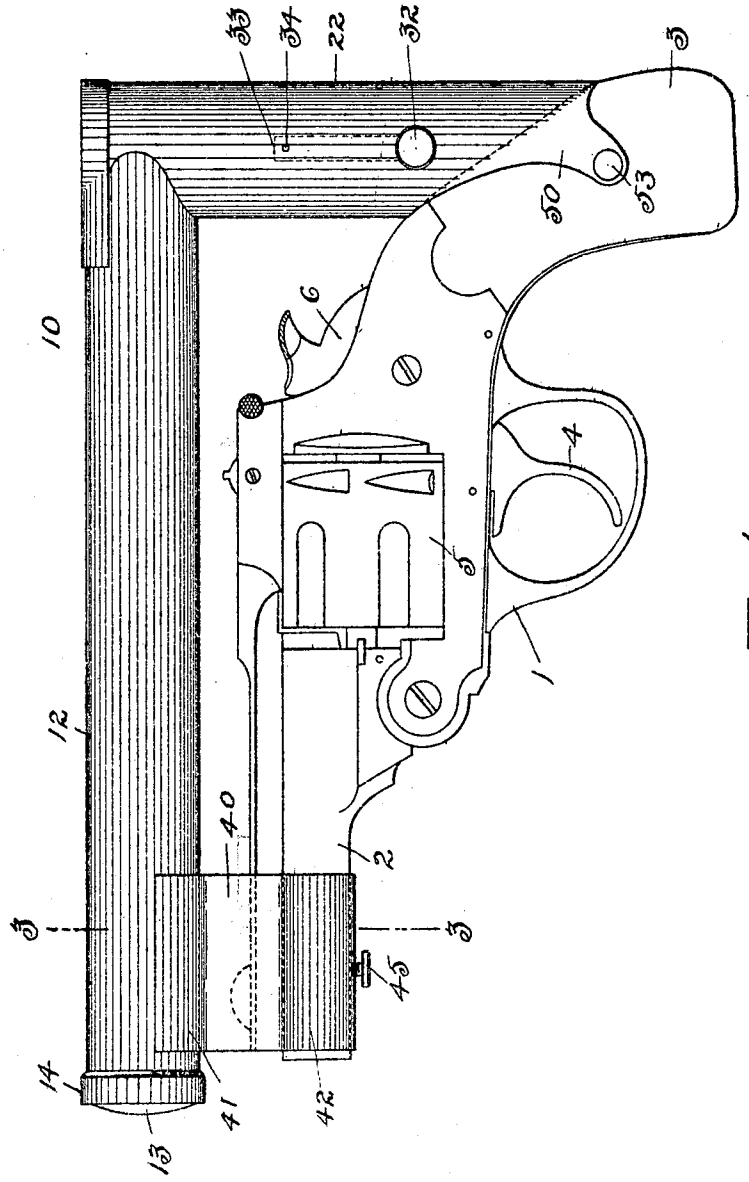

FIG. 1

T2509

WITNESSES

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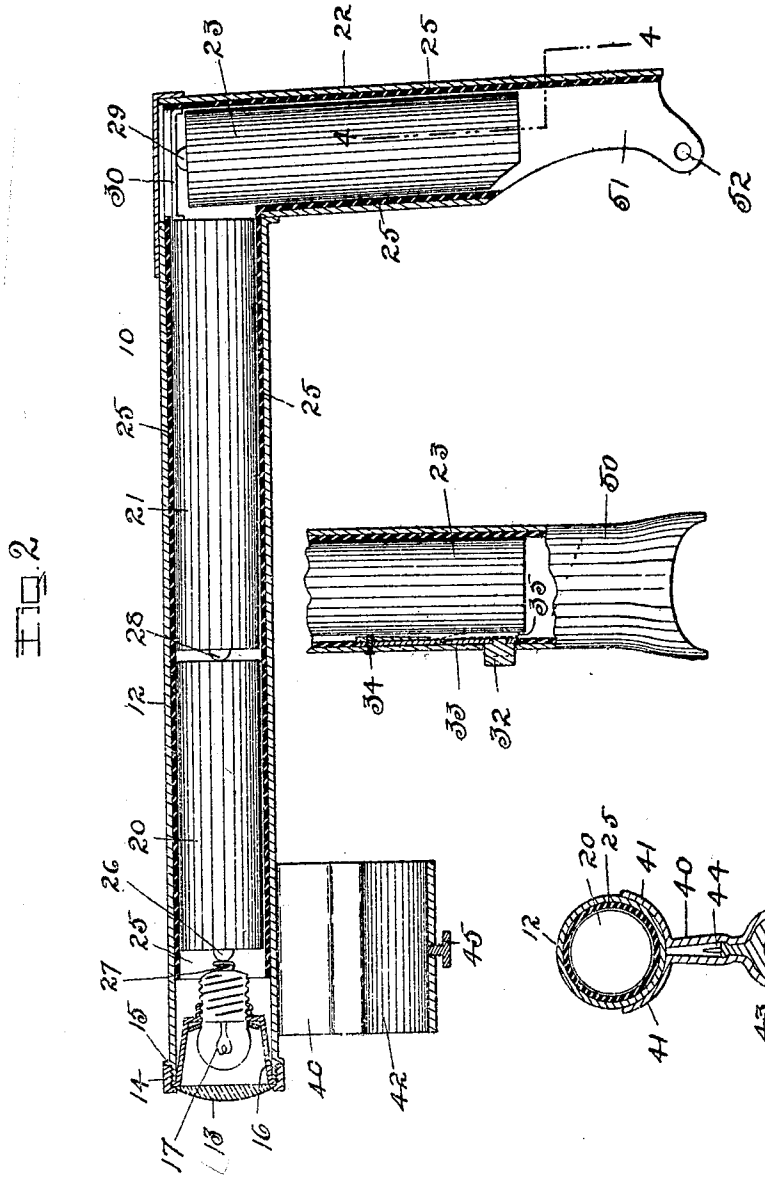

Fig. 2

Fig. 4

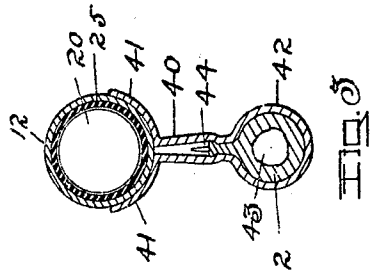

Fig. 5

WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM L. LONG, OF MARION, INDIANA.

FLASH-LIGHT ATTACHMENT FOR GUNS.

944,449. Specification of Letters Patent. **Patented Dec. 28, 1909.**

Application filed January 29, 1909. Serial No. 474,927.

To all whom it may concern:

Be it known that I, WILLIAM L. LONG, a citizen of the United States, residing at Marion, county of Grant, and State of Indiana, have invented certain new and useful Improvements in Flash-Light Attachments for Guns, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification. Similar characters refer to similar parts in the several figures therein.

The object of the invention is to provide a gun with a conveniently detachable flash-light apparatus which can be made to project a beam of light upon the object toward which the gun is pointed at the moment of firing the gun.

The invention consists of a detachable case which contains in its forward end a lens and electric-lamp, and in its body-portion an electric battery for maintaining the light in the lamp, and a contact-trigger for establishing an electric current in the lamp located near the stock of the gun, in position to be operated by the hand of the person firing the gun at the moment of firing, as will be hereinafter more fully described and subsequently pointed out in the claim.

Figure 1 of the drawings is a view in side elevation of a gun in the form of a revolver, with the improved flashlight-attachment secured thereon. Fig. 2 is a central, vertical section of the flashlight-attachment detached. Fig. 3 is a vertical cross-section taken on the broken line 3—3 in Fig. 1. Fig. 4 is a vertical cross-section, partly in elevation, taken on the broken line 4—4 in Fig. 2.

The revolver, 1, comprises a barrel, 2, stock, 3, firing trigger, 4, revoluble breech, 5, and hammer 6.

The flashlight-attachment comprises a case, 10, shown in cylindrical form, the case-section, 12, being provided with a lens, 13, secured in the case by means of the screw-threaded sleeve, 14, screwed on to the end of the case, which is screw-threaded to receive it, against a flange, 15, on the exterior surface of the case. Inserted between the lens and the case is a lamp-socket, 16, containing the incandescent lamp, 17, made in the usual well known form. Inclosed with the horizontal case-section, 12, are two dry batteries, 20 and 21, and within the short case-section, 22, the dry battery 23. These batteries are insulated from the case by a sheet of insulating material, 25, interposed between the batteries and the case-section. The battery, 20, is electrically connected with the lamp-socket by means of the electrodes 26 and 27. The two batteries, 20 and 21, are connected by the electrode, 28, and the battery, 23, with battery, 21, by means of the electrodes 29 and 30. The contact-trigger, 32, consists of a push-button secured to the metallic spring, 33, as by the rivet 34. The spring normally rests against the casing, as seen in Fig. 4, but can be brought in contact with the surface-element of the battery, 23, by pushing inwardly on the trigger, 32, as shown by dotted line, 35, in Fig. 4, thereby establishing an electric current through all the electrodes and the lamp, which maintains the light in the lamp.

When the case is secured to the revolver in such a position that the section, 12, of the case is parallel with the gun-barrel, a light could be flashed upon an object toward which the gun might be pointed. As a means for securing the case in such position upon the gun, the forward end of the case is provided with the depending bracket, 40, having the leaves, 41, adapted to fit the case exteriorly, and brazed thereon. The lower end of the bracket is made with the cylindrical loop, 42, adapted to receive the nozzle of the gun-barrel which contains the rifle-bore, 43, and is provided on its upper side with the sight 44. The bottom wall of the loop is apertured and the aperture screw-threaded to receive and fit the set-screw, 45, by which the forward end of the attachment is fixed upon the barrel and firmly secured in fixed parallelism with the gun-barrel. The other end of the attachment consists of the upright section, 22, which is provided at its lower end with attaching wings, 50 and 51, adapted to receive between them the handle or stock of the gun. The lower ends of the wings are provided with an aperture, 52, adapted to receive a pin, 53, inserted through the wings and stock. The aperture in the stock through which the pin passes may be the aperture usually made in such guns for the purpose of securing on opposite sides of the stock a metal plate. The

section, 22, which forms the rear end of the attachment is thus held securely in an upright position upon the stock.

In firing a gun provided with the improved attachment, aim may be taken along the upper surface of the longer case-section. When desired, such section may be provided with any of the well known styles of sights used in connection with guns, to assist in taking a correct aim.

What I claim as new and desire to secure by Letters Patent is—

A flashlight-attachment for guns comprising an elongated case, a comparatively short section of which projects at right angles to the longer section, a lens and electric-lamp in the forward end of the longer section, a plurality of electric batteries located in the respective sections and arranged in series, means for detachably securing the case to the gun, with the longer section parallel with the gun-barrel, and the shorter section projecting upwardly from the stock, and a contact-trigger, for establishing the electric current through the lamp, located in the upright section of the case near the stock.

In testimony whereof, I have hereunto set my hand this 25th day of January, 1909.

WILLIAM L. LONG.

Witnesses:
BARCLAY J. OVERMAN,
WILLIAM H. CUMMINGS.