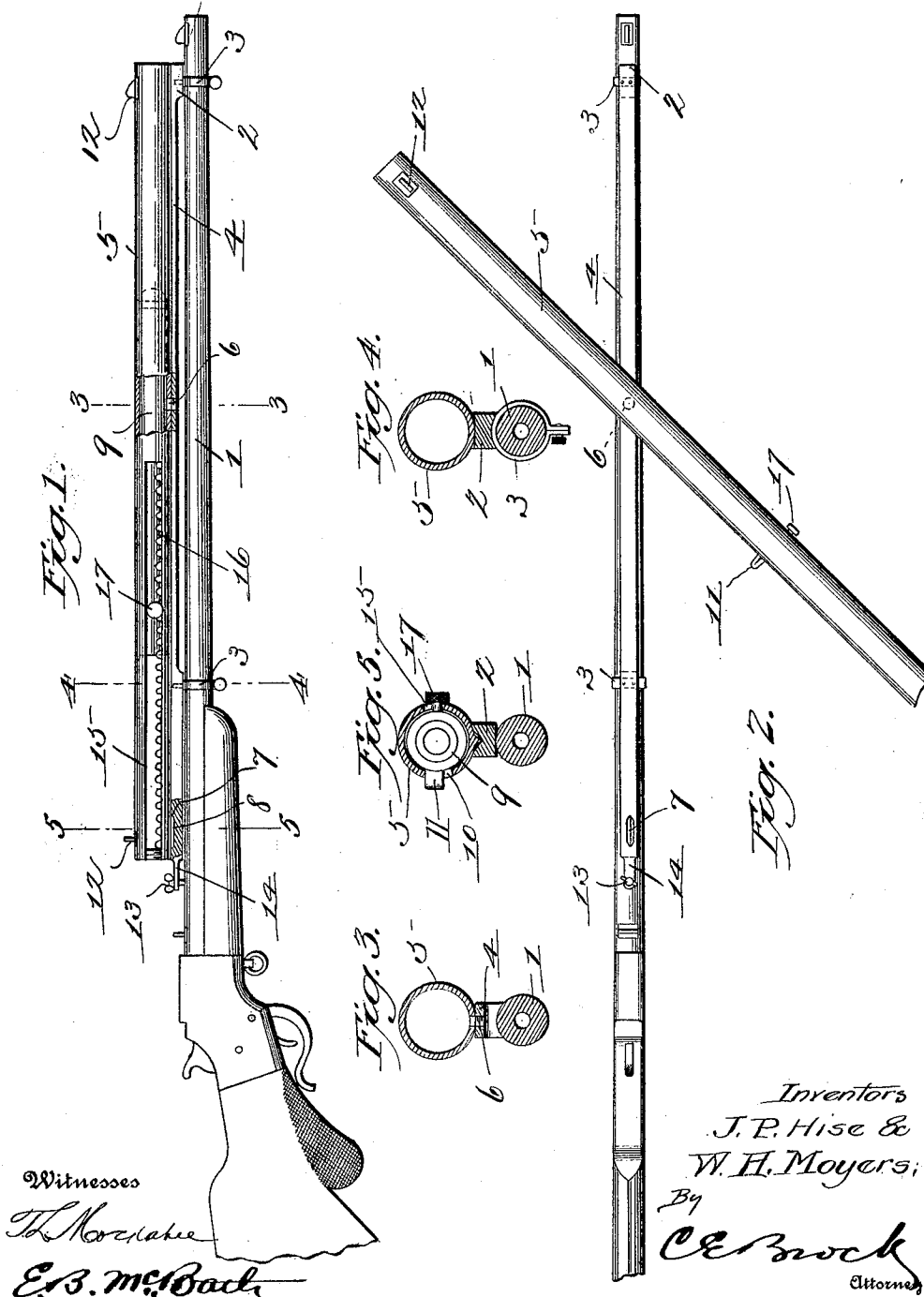


J. P. HISE & W. H. MOYERS.
FLASH LIGHT ATTACHMENT FOR GUNS.
APPLICATION FILED JUNE 18, 1914.

1,144,656.

Patented June 29, 1915.



UNITED STATES PATENT OFFICE.

JOHN PAUL HISE AND WILLIAM HAMILTON MOYERS, OF HIGHTOWN, VIRGINIA.

FLASH-LIGHT ATTACHMENT FOR GUNS.

1,144,656.

Specification of Letters Patent.

Patented June 29, 1915.

Application filed June 18, 1914. Serial No. 845,893.

To all whom it may concern:

Be it known that we, JOHN P. HISE and WILLIAM H. MOYERS, citizens of the United States, residing at Hightown, in the county of Highland and State of Virginia, have invented a new and useful Improvement in Flash-Light Attachments for Guns, of which the following is a specification.

This invention relates to a flash light attachment for guns, the object of the invention being to throw a small circle of light upon the object sighted upon, the flash light device being so adjusted that the bullet will strike within the center of the circle of light.

Another object of the invention is to provide for the throwing of the light at an angle to the gun barrel. We consider this feature a matter of considerable importance as in many of the States it is a criminal offense to point a loaded gun at a person, and it is consequently desirable when hunting at night to be able if necessary to direct the ray of light toward a particular object in order to ascertain its nature without pointing the gun itself at said object until its identity has been established. This is impossible where the flash light device is so mounted that it cannot be quickly swung on the gun barrel, and it is also necessary that it may be quickly returned to normal position.

A further object of the invention is to provide means whereby the flash light device may be moved back and forth in the light tube so as to adapt it for use for long or short range, and a still further object is to make said light tube detachable from the gun barrel so that it can be used independent thereof.

In the accompanying drawings: Figure 1 is a side elevation partly in section. Fig. 2 is a plan view showing the flash light tube swung at an angle to the gun barrel. Fig. 3 is a section on the line 3—3 of Fig. 1. Fig. 4 is a section on the line 4—4 of Fig. 1. Fig. 5 is a section on the line 5—5 of Fig. 1.

In the drawings 1 represents a gun barrel the usual sights of which are not disturbed. Mounted upon the top of said barrel is a rib 2 secured in place by suitable clamps 3 which may be connected in any desired manner to the rib, and the intermediate portion of said rib is reduced in thickness so that it contacts with the barrel only through its end portions. This rib is preferably formed of spring steel, and the intermediate portion

forms practically a spring support 4. Mounted upon said rib is a flash light tube 5 pivotally connected to the spring portion 4 as indicated at 6. This connection I prefer to make by means of a suitable screw so that the tube may be readily detachable.

The rear end portion of the rib is provided with a V-shaped groove 7 and a suitable lug 8 carried by the under side of the tube 5 engages said groove but by reason of the resiliency of the intermediate portion 4, the rear end of the barrel may be readily lifted so as to remove the lug 8 from engagement with the groove and the tube can then be readily swung into the position shown in Fig. 2, the portion 4 sagging so that the weight of the tube when in the position shown in Fig. 2 is supported by the gun barrel. But when the tube is brought parallel to the rib and engages the end portions of the rib the latter is pulled from its slightly bowed position and straightens or tightens, enabling the lug 8 to be sprung into locking engagement with the groove 7. Within said tube is placed a flash light 9, of the ordinary construction now found upon the market, but of a suitable diameter to fit snugly within the tube and the tube is slotted as shown at 10 in order that the operating slide 11 carried by such flash lights may be projected through said slot and be readily operated by the user.

Sights 12 are placed upon the tube 5 and after the same has been mounted it is properly adjusted so that the shot will strike in the center of the circle of light, the said adjustment being regulated by a screw 13 which bears upon the gun barrel and works through a lug 14.

In order that said flash light may be moved forwardly or rearwardly in the tube I provide the said tube with a slot 15 the lower edge of which is suitably notched as shown at 16. This slot is placed upon the side of the tube opposite the slot 10, a suitable pin 17 is carried by the flash light and the shank of the pin rests in the notches 16. The flash light is permitted a slight rotary movement in the tube and can be readily moved backward or forward by lifting the pin from engagement with the notch, and when the flash light has been positioned for the proper size of the light circle according to the range, the pin can be dropped into another notch, thereby holding the flash light device in its adjusted position.

The advantages and utility of a device of this kind will be obvious to those accustomed to night hunting or the use of fire arms after dark.

5 What we claim is:—

> 1. The combination with the barrel of a fire arm, a tube pivotally mounted intermediate its ends on said barrel, and adapted to be swung into alinement with said barrel and also into position transversely across
10 said barrel and a light in said tube.

2. The combination with a fire arm, of a rib having its end portions secured to the barrel of said arm, the intermediate portion of said rib being of spring material and out
15 of engagement with said barrel, and a flash light tube pivotally mounted upon said spring portion.

3. The combination with a gun barrel with
20 a rib having an intermediate reduced spring portion, means for clamping the end portions thereof to the barrel, a flash light tube pivotally mounted upon the spring portion

of the rib, the rear end portion of said rib being provided with a groove, and a lug carried by said tube and adapted to normally
25 engage said groove.

4. The combination with a fire arm, of a tube of uniform diameter pivotally mounted thereon, and a flash light device comprising
30 a lens arranged in said tube, and bodily movable longitudinally therein.

5. The combination with a firearm, a spring rib secured longitudinally thereon, a tube pivotally mounted on said rib, the
35 pivotal point being midway the ends of the tube and rib, said spring rib tightening when the tube is swung parallel to the rib and sagging when swung transverse to the rib, and a movable light arranged in the
40 tube.

JOHN PAUL HISE.

WILLIAM HAMILTON MOYERS.

Witnesses:

I. L. BEVERAGE,

ANDREW L. JONES.

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