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C. H. NORRLIN

TARGET FINDER FOR FIREARMS

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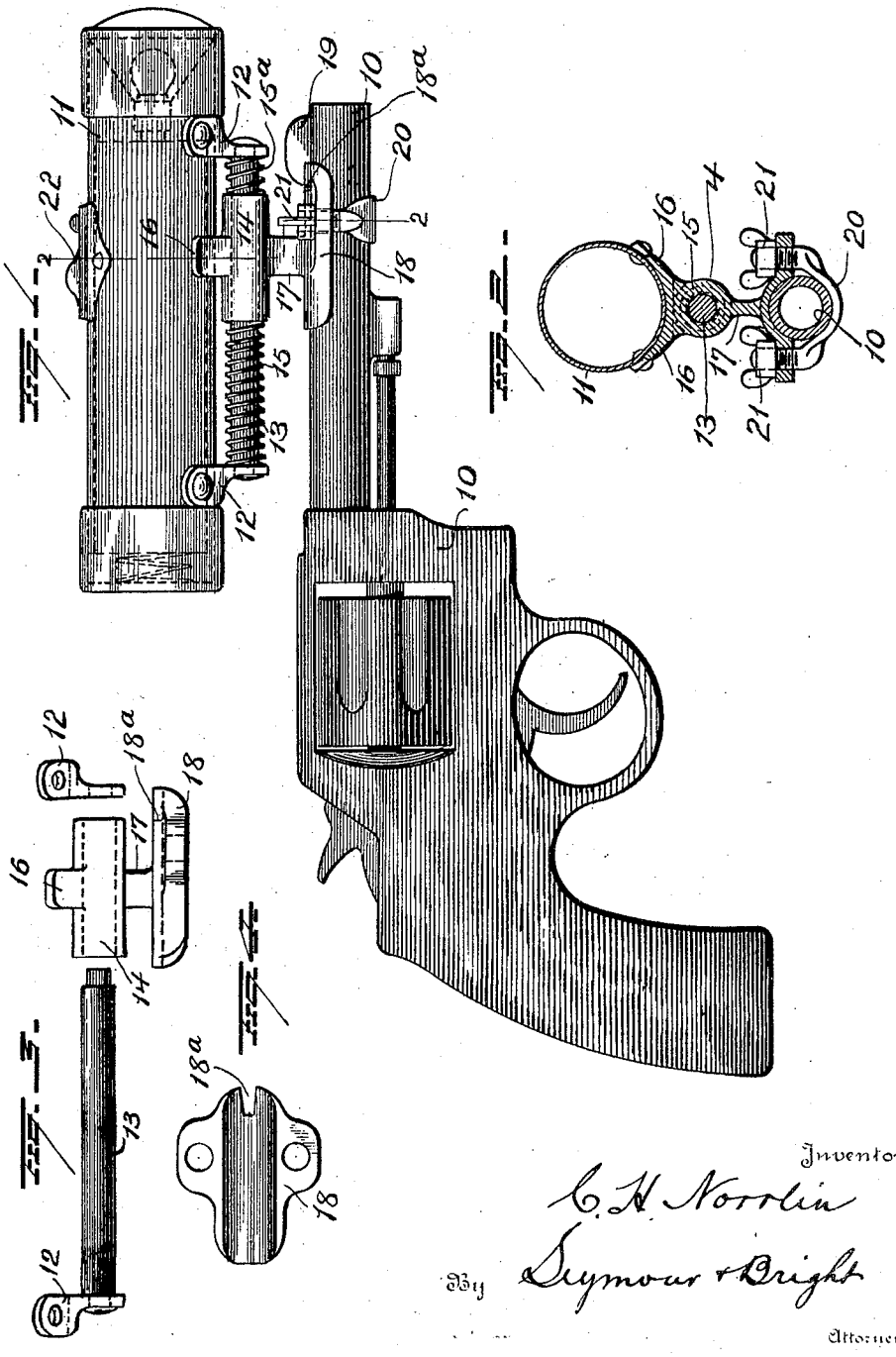

Inventor
C. H. Norrlin
By Seymour & Bright
Attorneys

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CHARLES H. NORRLIN, OF NEW YORK, N. Y.

TARGET FINDER FOR FIREARMS.

Application filed October 15, 1921. Serial No. 507,994.

To all whom it may concern:

Be it known that I, CHARLES H. NORRLIN, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Target Finders for Firearms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in means for mounting and securing electric flashlamps to fire arms, the primary object being to provide means for connecting the lamp to a gun or pistol whereby the shock of the recoil in firing will be absorbed.

A further object is to provide improved means for detachably securing the lamp to the gun barrel so that it may be readily and quickly removed or secured in position.

A further object is to provide supporting means for the lamp, which supporting means when in position forms a sight for gun.

In the drawing I have shown the lamp on a pistol but it is clearly evident that it may be used on a rifle or other type of gun or on any of the various types of pistols hence I would have it understood that the reference herein to guns is intended to include fire arms of any type with which the improvement may be used.

In the accompanying drawings, Figure 1 is a view in side elevation of my improvement applied to a pistol; Figure 2 is a view in cross section on line 2—2 of Figure 1; Figure 3 is a view of the rod, clamping plate, sleeve and brackets for carrying the lamp, and Figure 4 is a bottom plan view of the clamping plate.

10 represents a pistol and 11 an electric flash lamp which may be of any approved form, provided with the depending brackets 12 which are located respectively adjacent the front and rear ends thereof and in the present instance are shown riveted thereto.

13 is a rod, preferably cylindrical as shown, rigidly secured at its ends to the brackets. In constructing and assembling the parts, the rod 13 may be integral with one bracket 12 to permit the helical springs and sleeve to be hereinafter referred to, to be assembled on the rod, after which the free end of the rod is riveted or otherwise secured to the other bracket 12.

14 is the sleeve in which the rod is mounted to slide, the sleeve being considerably shorter than the rod so as to permit of considerable longitudinal sliding movement of the rod within the sleeve, and 15 and 15^a are helical springs embracing the rod at opposite ends of the sleeve, one of said springs bearing at one end against the front bracket 12 and front end of the sleeve, and the other spring bearing at one end against the rear bracket and at its other end against the rear end of the sleeve, so that the rod 13 and its attached lamp 11, are yieldingly restrained against longitudinal movement by the springs 15 and 15^a, but are free to give or yield under the shock of the recoil, to prevent, or lessen the liability of injury to the filament of the electric lamp.

Formed integral with the sleeve 14, at the upper side thereof, is the saddle 16 which engages the lamp 11 at the opposite sides thereof and prevents the latter and the rod 13 from turning in the sleeve 14, and secured to and depending from the sleeve 14 is the integral lug 17, which is also formed integral with the clamping plate 18. The lug 17 is preferably made thin or narrow, and is located in line with the sight 19 on the end of the gun barrel, so as to constitute a sight, whereby the gun may be accurately aimed at the target, animate or inanimate after the latter has been located by the light.

The clamping plate 18 is elongated to form a firm and solid support for the flash light; is preferably curved on its underside to receive the gun barrel, and is provided at its front end with a notch 18^a to receive one edge of the gun sight 19, whereby the clamping plate 18 and lug 17 thereon will be held in proper position relative to the gun sight and be prevented from turning on the gun barrel.

The clamping plate 18 projects at the sides of the gun barrel, and is provided at both sides with holes for the passage of the threaded ends of U-shaped clip and is secured in place by the nuts 21 which firmly lock the attachment in place.

With the construction shown and described, the attachment as a whole or unit, can be readily removed from a gun barrel by removing the nuts 21 thus disconnecting

the clamping plate from the clip 20, and of course can be placed in position by applying the clip to the clamping plate and screwing the nuts on the projecting ends of the clip. When the attachment is removed from the gun the clip 20 may be secured to the clamping plate so that the attachment or unit may be intact and thus prevent the loss or misplacement of the clip.

When the lamp is applied to the gun barrel and the lamp lighted, the target may be readily located by the light, and the gun accurately aimed by the lug 17 which constitutes the sight for the gun, the lamp being elevated above the barrel sufficiently to permit the lug 17 to be readily seen.

When the gun is fired, the shocks of recoil or rebound will be absorbed by the springs 15—15ª located intermediate the lamp and the gun and thus prevent, or reduce to a large extent, injury to the lamp filament.

It is evident that changes may be made without departing from the spirit of my invention, hence I would have it understood that I do not confine myself to the details shown, but consider myself at liberty to make such departures from the construction shown and as may come within the spirit of my invention.

Having fully described my invention what I claim as new and desire to secure by Letters Patent, is:—

1. A target finder for fire arms, consisting of a clamping plate, a rod having sliding connection with same, means yieldingly holding the rod against sliding movement in the clamp, and an electric flash lamp or light secured to and carried by the rod.

2. A target finder for fire arms, consisting of a clamp for attaching the device to a gun barrel, a rod having longitudinal sliding movement in the clamp, means for yieldingly holding the rod against endwise movement, and brackets secured to the rod and carrying the lamp or flash light.

3. A target finder for fire arms, consisting of a clamp for attaching the device to a gun barrel, the said clamp being provided with projections to engage the opposite sides of an electric flash lamp, a rod having longitudinal sliding movement in said clamp, means for yieldingly holding the rod against endwise movement, and brackets secured to said rod and also to the lamp.

4. A target finder for fire arms, consisting of a clamp for attaching the device to a gun barrel, and provided with a saddle to receive and support an electric flash lamp, the saddle being connected to the clamp by a lug which when in place on a gun barrel constitutes a sight for the latter.

5. A target finder for fire arms consisting of a clamp for attaching the device to a gun barrel, a sleeve integral with the clamp and connected to the latter by a thin lug which constitutes a sight for the gun, a rod mounted to slide longitudinally in the sleeve, an electric flash lamp secured to and supported by said rod, and yielding means on the rod and between the sleeve and the means connecting the latter with the lamp for absorbing the shocks caused by the recoil of the gun.

6. A target finder for fire arms, consisting of a clamp having a notched end to receive the sight on the gun barrel, a sleeve rigid with said clamp, a rod mounted to slide in said sleeve, brackets on the end of the rod, springs intermediate the ends of the sleeve and the brackets, and an electric flash lamp secured to and carried by the brackets.

7. A target finder for fire arms, consisting of a clamp adapted to be attached to a gun barrel and having a notched end to receive the sight on said barrel, a sleeve rigid with the clamp and provided with projections to engage the sides of an electric flash lamp, a rod mounted to slide longitudinally in said sleeve, brackets on the ends of the rod, springs on the rod and intermediate the ends of the sleeve and the brackets and an electric flash lamp secured to said brackets.

8. In a target finder for fire arms, the combination of a gun barrel, a flash lamp and a connection between the flash lamp and gun barrel, the said connection forming a sight for the gun.

9. In a target finder for fire arms, the combination of a gun barrel, a flash lamp yieldingly supported thereon and means connecting the lamp and gun barrel, the said means constituting a sight for the gun.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

CHARLES H. NORRLIN.

Witnesses:
A. W. Bright,
Chas. H. Clark, Jr.