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C. WILLIAMS.  
AIMING DEVICE FOR FIREARMS.  
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*Witnesses*

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# UNITED STATES PATENT OFFICE.

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## AIMING DEVICE FOR FIREARMS.

No. 883,267.

Specification of Letters Patent.

Patented March 31, 1908.

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*To all whom it may concern:*

Be it known that I, CHRISTIAN WILLIAMS, a citizen of the United States, residing at Wittenberg, in the county of Shawano and State of Wisconsin, have invented new and useful Improvements in Aiming Devices for Firearms, of which the following is a specification.

The object of this invention is to provide a device of simple character for aiming fire arms, particularly for long distance range, and it is designed especially for use in military service and by hunters.

The invention contemplates the adaptation of a field glass provided centrally with a telescopic sighting tube whereby the fire arm can be readily and easily sighted on objects at a considerable distance.

In the accompanying drawings illustrating one embodiment of the invention Figure 1 shows the invention applied to a rifle, the aiming device and a portion of the rifle being shown in section. Fig. 2 is a sectional view on the line 2—2 of Fig. 1. Fig. 3 is a detail enlarged sectional view of the telescopic tube.

Referring to the drawings in which like numerals of reference designate corresponding parts in the several figures, 4 is the fire arm which may be provided with a breech sight 5 and also with a fore sight (not shown). A standard 6 is slidably arranged in a socket piece 7 fitted within the stock 4' of the fire arm and this standard is preferably provided with a base 6'. The standard is secured in adjusted position on the stock of the fire arm by a thumb screw 8 which is screw threaded in the socket piece and bears against one side of the standard.

The field glass comprises a barrel 9 and a relatively movable member 10, said member being telescopically adjusted in the barrel 9 by an adjusting screw device 11 of the usual or any other suitable construction. A divided sleeve 12 having lips 12' is secured on the barrel 9 and to the standard 6 by means of a screw bolt 13 which passes through the lips 12' and the standard 6 and carries a thumb nut 13' (Fig. 2). Lenses 14 and 15 are suitably secured in the barrel 9 and member 10, respectively, and I may also provide the member 10 with an additional lens 16 located adjacent to the lens 15. An eye protector 17 of suitable size and shape is provided on the movable member 10.

A tube 18 consisting of two telescopic sections 18', 18'' is located centrally within the

barrel or fixed member and the movable member. The lens 14 is provided with a central opening in which the forward end of the tube section 18' is secured and the lens 15 is similarly provided with an opening in which the rear end of the tube 18'' is secured. If the lens 16 is used it will be provided with a central opening to receive the tube section 18'', as shown. The tube is secured in the lenses by cement or other suitable means.

The device is simple in construction and easy to operate. I prefer to make the tube of aluminium colored black inside and out and the exposed parts of the device should be nickel-plated or made of rubber to avoid rusting. The device can be easily set by first loosening the nut 13' and the thumb screw 8 to permit of the proper adjustment, after which the nut and screw are tightened to secure the device rigidly in place. The glass can be properly focused on the object by operating the adjusting device 11 in the usual manner. When the glass is properly adjusted the object aimed at will be seen through the telescopic tube superposed on the magnified image of the object seen through the field glass.

The field glass is larger than an ordinary telescope and therefore it can be used in the ordinary manner although the telescopic tube is centrally located therein. I have found it convenient to locate the standard at the pistol grip of the stock of the fire arm, as shown.

What I claim and desire to secure by Letters Patent is:

1. The combination with a fire arm, of a field glass, an aiming tube within the field glass and having its ends located centrally of the lenses in the field glass, and means for supporting the field glass on the fire arm.

2. The combination with a fire arm, of a field glass, an aiming tube comprising a plurality of telescopic sections located within the field glass, and means for supporting the field glass on the fire arm.

3. The combination with a fire arm, of a field glass, a telescopic aiming tube located centrally within the field glass and having its ends supported in the lenses of said field glass, and means for supporting the field glass on the fire arm.

4. The combination with a fire arm, of a field glass comprising a fixed member and a movable member, an aiming tube located within the field glass and comprising a plu-



rality of telescoping sections, one section being rigid with the fixed member and the other section being rigid with the movable member, means for adjusting the movable member of the field glass and the movable section of the aiming tube simultaneously and relatively to the fixed member of the field glass and the fixed section of the aiming tube, and means for supporting the field glass on the fire arm.

5. The combination with a fire arm, of a field glass comprising a fixed member and a movable member, a lens in each member, an aiming tube located within the field glass and comprising a plurality of telescopic sections, one section having its outer end supported in the lens of the fixed member and the other section having its outer end supported in the lens of the movable member, means for adjusting the movable member of the field glass with the tube section therein relatively to the fixed member of the field glass and the tube section therein, and means for supporting the field glass on the fire arm.

6. The combination with a fire arm having a pistol grip, of a socket piece in the fire arm at the pistol grip, a standard adjustable in said socket piece, a field glass mounted on the

standard and comprising a fixed member and a movable member, and a sectional aiming tube within the field glass, one section of said tube being adjustable with the movable member of the field glass and relatively to the other section of the aiming tube and the fixed member of the field glass.

7. The combination with a fire arm, of a standard adjustably mounted thereon, a field glass, a telescopic aiming tube within the field glass, a divided sleeve surrounding the field glass and provided with lips, and means passing through the lips and the standard for securing the sleeve and the field glass on the standard.

8. The combination with a fire arm, of a standard adjustably mounted thereon, a field glass mounted on the standard and comprising a barrel and an adjustable member, lenses in the barrel and adjustable member and provided with central openings, and a telescopic aiming tube arranged within said barrel and member and secured at its outer ends in the openings in said lenses.

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Witnesses:

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