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R. H. JEFFERIES

2,433,909

GUN SIGHT

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Fig. 1

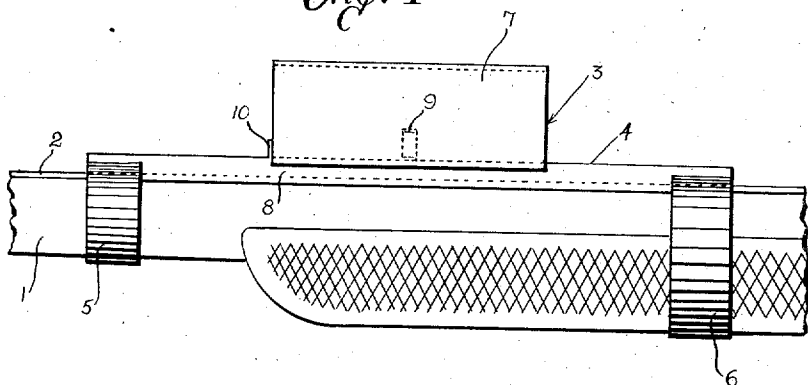


Fig. 2

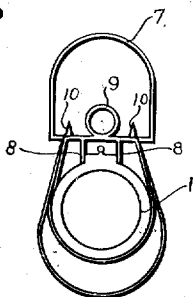


Fig. 4

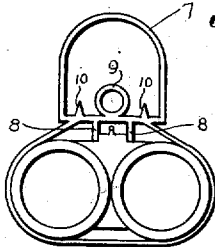
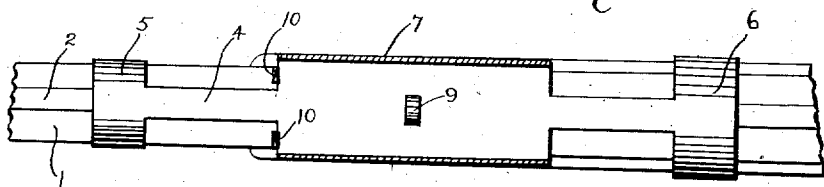


Fig. 3



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GUN SIGHT

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5 Claims. (Cl. 33—51)

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This invention relates to gun sights, and more particularly, to a gun sight adapted to be used on a shotgun, rifle and other fire arms.

A main object of this invention is to provide a shotgun sight of extremely simple construction which is especially adapted for aiming at moving targets, such as game, clay pigeons, etc. where the speed of the target can be roughly estimated.

A further object of this invention is to provide a novel rear sight for a single or a double barreled shotgun wherein the aiming of the gun at stationary targets or targets moving at approximately known velocities is facilitated.

Further objects and advantages of the invention will appear from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a side elevational view of a portion of a single barreled shotgun provided with a rear sight in accordance with this invention.

Figure 2 is a front elevational view of a gun barrel provided with the sight of Figure 1.

Figure 3 is a horizontal crosssectional view taken through the main tunnel portion of the sight of Figures 1 and 2.

Figure 4 is a view corresponding to Figure 2 showing a double barreled shotgun provided with a rear sight in accordance with this invention.

Referring to the drawings, a conventional single barreled shotgun is disclosed having a barrel 1 provided with a flat top longitudinal rib 2. Mounted on barrel 1 at a distance which may be between 8 and 18 inches from the eye of the marksman when aiming the gun is a rear sight member 3 comprising a longitudinal strip element 4 provided at its ends with loop elements 5 and 6 adapted to respectively embrace the gun barrel at the front end and the body portion of the gun at the rear end thereof to hold the strip in horizontal aligned position with respect to the rib 2. Intermediate the ends of strip element 4 a tunnel member 7 is formed, said tunnel member being of substantial length, and being of a height and width approximately equal to the diameter of barrel 1. Said tunnel member 7 is provided with a cylindrical top portion, vertical side walls and a horizontal floor portion including strip element 4. A pair of longitudinal side flanges 8, 8 depend from strip element 4 and support tunnel member 7 in vertically spaced relation to rib 2 closely engaging said rib so that the marksman may sight along rib 2 under the floor of tunnel member 7 and view the front sight between side flanges 8, 8.

Positioned within tunnel member 7 on the flat floor portion thereof is a circular peep sight ele-

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ment 9, located in the central vertical longitudinal plane of barrel 1 and substantially midway between the ends of tunnel member 7. At the front end of tunnel member 7 at the floor portion thereof and equally spaced on each side of the longitudinal central vertical plane of barrel 1 are a pair of upwardly projecting pointed sight elements 10, 10. The location of said pointed sight elements 10, 10 is such that an object moving at right angles to the marksman at an approximately known velocity may be aimed at by first aligning the front sight with the object along rib 2 or through peep sight 9 and then moving the muzzle of the gun carrying the front sight forward until the object is aligned, with one of said pointed sight elements, thus automatically compensating for the motion of the object during the time of travel of the shot. Similar compensation may be made for a moving object traveling at an approximately known greater speed by aligning the object, after preliminary sighting, with one of the side walls of tunnel member 7.

A stationary target, or a target moving directly toward or away from the marksman may be aimed at by first obtaining an approximate alignment therewith through the bottom tunnel formed by side flanges 8, 8 and then aligning the target with the front sight of the gun as viewed through peep sight 9.

Additional pairs of pointed sight elements similar to elements 10, 10 may be provided at the front edge of the floor of tunnel member 7 to provide automatic advance of the gun barrel for targets moving at various estimated velocities.

Since tunnel member 7 is of substantial length, said tunnel member acts as a glare shield with respect to peep sight element 9, thereby facilitating the aiming of the gun under conditions of illumination which might otherwise make it impossible to aim the gun by sighting along the barrel. When it is desired to remove the sight it may be easily slipped off the gun, loop members 5 and 6 being normally engaged with the gun merely by frictional contact. Therefore, by pushing loop members 5 and 6 in the direction of the front end of the barrel the sight may be dismounted. The sight may be quickly replaced on the gun by a reverse procedure.

In Figure 4 the sight is shown adapted for a double barreled shot gun. In this embodiment the loop members are appropriately formed so that the sight will be located in the central longitudinal vertical plane between the two barrels.

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While a specific embodiment of a shotgun sight has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention other than as defined by the scope of the appended claims.

What is claimed is:

1. A rear sight for a shotgun comprising an elongated tunnel member, means for detachably mounting said tunnel member on the rear portion of a shotgun barrel in vertically spaced relation to said barrel and extending longitudinally thereof, a peep sight element provided within said tunnel member in the vertical longitudinal plane of said barrel, and additional sight means provided at the forward edge portion of said tunnel member, said additional sight means being laterally spaced from said vertical longitudinal plane.

2. The structure of claim 1, and wherein said tunnel member is provided with depending side flanges extending from the tunnel base to the top portion of said barrel, longitudinally arranged with respect to the barrel, said side flanges forming a secondary tunnel structure with respect to said top portion of the barrel.

3. A rear sight for a shotgun comprising an elongated horizontal strip member, means provided at the ends of said member for detachably mounting said strip member on the rear portion of a shotgun barrel in vertically spaced relation thereto and extending longitudinally thereof, a longitudinal tunnel member of substantial length mounted on said strip member, a peep sight

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element provided within said tunnel member substantially midway between the ends thereof and located in the vertical longitudinal plane of said barrel, and additional sight means provided at the forward end of said tunnel member, said additional sight means being laterally spaced from said vertical longitudinal plane.

4. The structure of claim 3, and wherein said tunnel member is provided with depending vertical side flanges extending from the floor of the tunnel to the top portion of said barrel, said side flanges being longitudinally arranged with respect to the barrel and forming a secondary tunnel structure with respect to said top portion of the barrel.

5. The structure of claim 3, and wherein said additional sight means comprises a pair of vertical pointer members projecting upwardly from the front edge of the tunnel floor, said pointer members being spaced at equal distances from said vertical longitudinal plane.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,596,896	Segee	Aug. 24, 1926
2,256,411	Russell	Sept. 16, 1941

FOREIGN PATENTS

Number	Country	Date
89,370	Austria	1922