

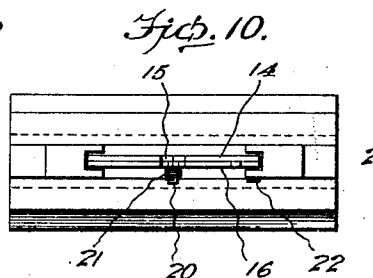
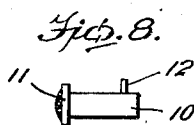
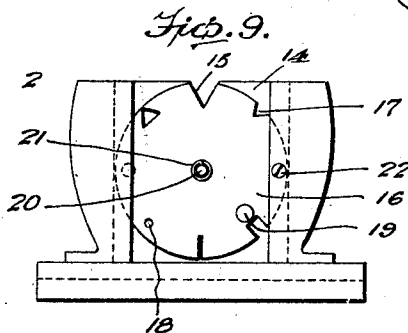
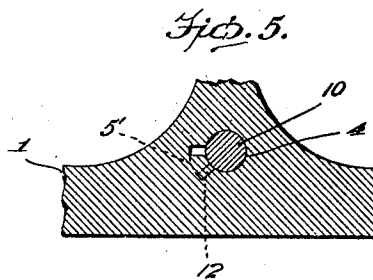
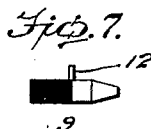
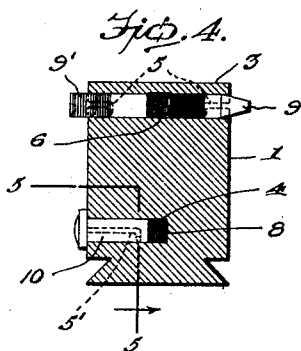
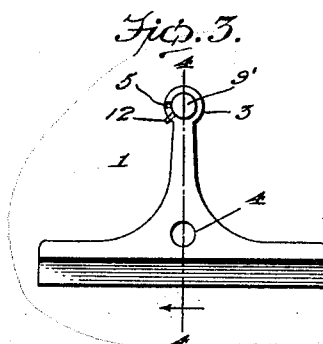
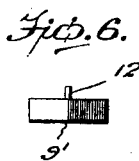
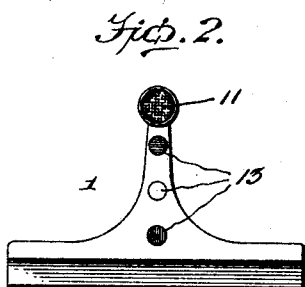
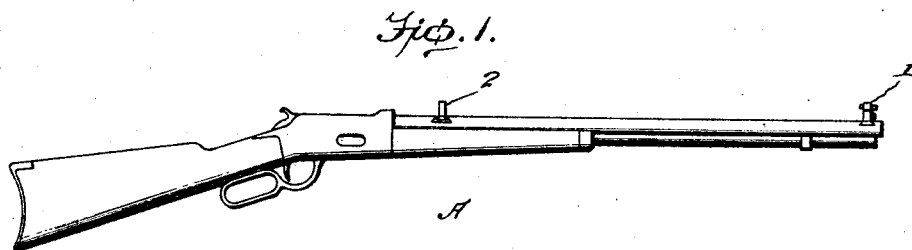
52

I. C. SPENCER.
RIFLE SIGHT.

APPLICATION FILED APR. 18, 1921. RENEWED AUG. 9, 1922.

1,433,422.

Patented Oct. 24, 1922.



Paul M. Hunt
L. B. Middleton.
WITNESS:

I. C. Spencer
INVENTOR
BY Victor J. Evans
ATTORNEY

1405

Patented Oct. 24, 1922.

1,433,422

UNITED STATES PATENT OFFICE

ISAAC C. SPENCER, OF GLENDALE, UTAH.

RIFLE SIGHT.

Application filed April 18, 1921, Serial No. 462,155. Renewed August 9, 1922. Serial No. 580,807.

To all whom it may concern:

Be it known that I, ISAAC C. SPENCER, a citizen of the United States, residing at Glendale, in the county of Kane and State of Utah, have invented new and useful Improvements in Rifle Sight, of which the following is a specification.

This invention relates to improvements in sights for firearms, the general object of the invention being to provide a plurality of interchangeable beads for the sight so that the bead can be readily seen to the best advantage in various situations and conditions.

Another object of the invention is to provide one of the beads with a luminous part so that the gun can be readily sighted at night.

A further object of the invention is to provide the sight with different colored dots below the bead for use with the rear sight for shooting at different ranges.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side elevation of a gun provided with my invention.

Figure 2 is an enlarged front view of a front sight constructed in accordance with my invention.

Figure 3 is a view of the other end of the sight.

Figure 4 is a longitudinal sectional view on line 4—4 of Figure 3.

Figure 5 is a section on line 5—5 of Figure 4.

Figures 6, 7 and 8 are views of the interchangeable beads.

Figures 9 and 10 are detail views of the rear sight.

In these views A indicates the gun which is provided with the front sight 1 and a rear sight 2. The front sight 1 may be of the general shape of the sights now in use but the upper cylindrical part 3 is of hollow construction and the muzzle end of the sight is provided with a hole 4. A pair of bayonet slots 5 are located adjacent the

ends of the cylindrical part 3, and a similar slot 5' is formed near the edge of hole 4. A coiled spring 6 is placed in the cylindrical part 3 and a similar spring 8 is arranged in the hole 4. I provide a pair of double beads 9 and 9' for the front sight and also a bead 10 having a head 11 which is hollow and contains a luminous substance which is covered with transparent waterproof material. These beads are adapted to be placed in the cylindrical part 3 and each bead is provided with a pin 12 for engaging the bayonet slots to hold the beads in place, the spring bearing against the bead holding the same firmly in position. The bead 9 has one half thereof treated with black material while its other half is tapered so as to be used for fine shooting. The bead 9' has one half of golden color and its other half of ivory. The bead to be used is placed in the front end of the part 3 with the desired color outermost. The other bead is placed in the muzzle end of the sight. The remaining bead is placed in the hole 4. Thus the gunner can use any one of five different sights. For instance, if he is shooting in the dark he would use the bead 10 with the luminous head; if he is shooting at twilight he would use the ivory end; if snow is on the ground he would use the black end while for ordinary shooting he would use the gold end. For fine shooting he would use the small end of bead 9.

It will be seen that the beads can be easily and quickly removed from one socket or receiving hole and placed in another so that all the beads are readily at hand on the sight.

On the front end of the sight I place a number of dots 13 which are vertically arranged below the part 3, these dots being of different colors and are adapted to be used in connection with the rear sight for shooting at different ranges. For instance; the first dot, colored blue, may be used for shooting at two hundred yards, the white central dot at three hundred yards and the red lower dots at four hundred yards.

The detachable plate 14 of the rear sight 2 is provided with a notch 15, as usual, and a disc 16 is rotatably mounted on said plate and is provided with various shaped notches 17 and large and small sight holes 18 which are adapted to be brought in alignment with the notch so as to be used with the front sight. A recess 19 is arranged adjacent one

of the other notches and this recess is filled with luminous material covered with a transparent waterproof substance so that this notch can be used in shooting in the dark. The disc is secured to the plate by means of a projection 20 thereon passing through the plate and carrying a spring 21 which frictionally holds the disc against the plate. A projection may be placed on one part and depressions made in the other part to further insure the disc against movement on the plate after being adjusted. The plate is held in adjusted position on the sight by means of the screw 22.

In shooting at long range the gunner will hold the head in use on the target at all ranges but will tilt or lower the rear of gun until the various dots just come in view through the rear sight. In this way the front sight is always held on the target the same as with rear elevated sight. This is one of the special features of my front sight.

In using this sight at elevated ranges the gunner will hold the bead on target as usual but will tilt the gun just enough so that the required dot can be seen through rear sight.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A rear gun sight comprising a detachable plate having a notch formed therein, a disc rotatably mounted on said plate and provided with various shaped notches and large and small sight holes adapted to be brought in alignment with said notch, a second notch arranged adjacent to one of the first mentioned notches having luminous material therein covered with a transparent waterproof substance, a projection provided on said disc for securing the latter to said plate, a spring carried by said projection adapted to frictionally hold said disc against the plate and a screw adapted to hold said plate in adjusted position on the side.

In testimony whereof I affix my signature.

ISAAC C. SPENCER.