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J. D. WOODS

GUN SIGHT

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Fig. 1.

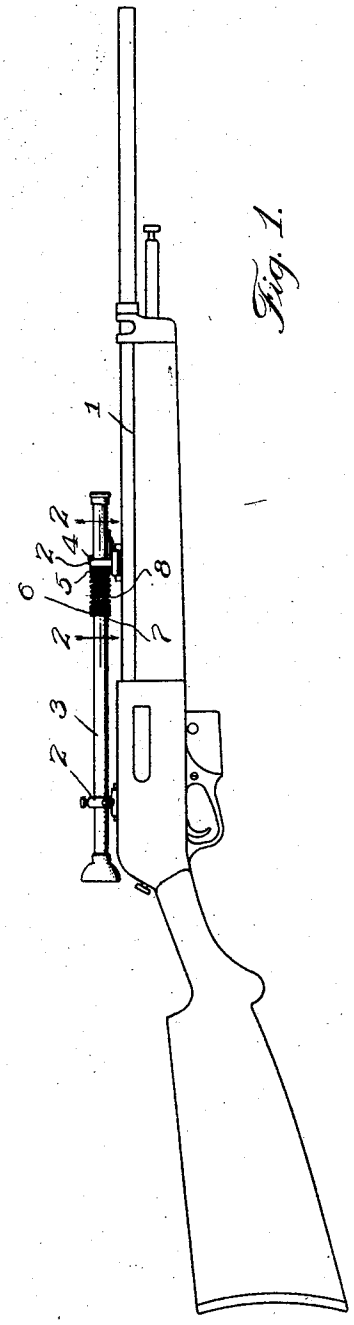
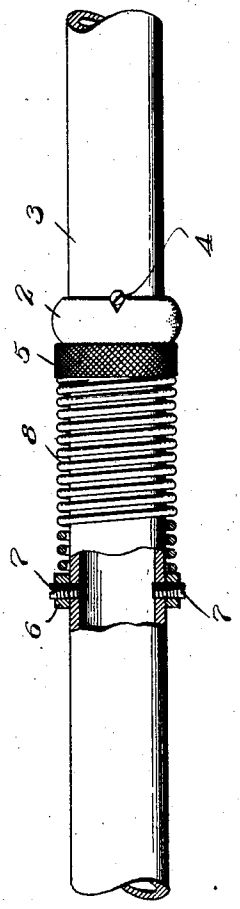


Fig. 2.



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UNITED STATES PATENT OFFICE.

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GUN SIGHT.

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High powered rifles are equipped with what is termed a telescope sight. The sight is not fixedly supported upon the rifle barrel, but is mounted thereon for a limited longitudinal movement. Thus, upon each discharge of the rifle, the sight is impelled in an outward direction on the rifle barrel, with the result that the sight must be reset after each firing.

The object of this invention is to provide such rifle sights with simple means in the nature of a shock absorber which not only tends to prevent accident to the sight by the discharge of the gun, but which also automatically resets the sight on the gun after each discharge thereof.

To the attainment of the foregoing, the invention consists in the improvement as herein described and definitely claimed.

In the drawing:—

Figure 1 is a side elevation of the high powered rifle with the telescope sight thereon illustrating the application of my improvement.

Figure 2 is a top plan view of the sight with the improvement in section, such section being approximately on the line 2—2 of Figure 1.

Referring now to the drawing in detail, the numeral 1 designates the barrel of a high powered rifle, the same having its upper edge provided with the usual rib to which is attached the base portions of the ring supports 2 in which is slidably mounted a tubular or telescope sight 3. As the sight and its mountings are of the ordinary construction, a detailed description thereof will not be attempted except to state that the outer ring support 2 has its upper edge provided with a V-shaped notch and the tubular sight 3 has screwed therein a pin 4 to be received in the notch. This permits an outward longitudinal movement of the sight through its supports while the angle walls of the notch guide the pin 4 in the center of said notch upon the return movement of the sight.

My improvement comprises a collar 5 that is loosely arranged on the tubular sight and that is in contacting engagement with the inner face of the outer sight support 2. At a suitable distance away from the collar 5 I arrange on the tubular sight a second collar 6. This collar, as disclosed in Figure 2 of the drawing, has its sides provided with threaded apertures through which are passed binding screws 7 that, of course, are received in apertures in the sides of the sight 3 and hold the collar 6 fixed thereto.

Between the slidable collar 5 and the fixed collar 6 there is arranged on the sight 3 a comparatively heavy coiled spring 8. The end convolutions of this spring, of course, bear against the respective collars to force the slidable collar 5 away from the fixed collar 6 and into tight engagement with the outer support 2.

The device provides a shock absorber. The outward movement of the sight through its supports when so impelled upon the discharge of the firearm, is resisted by the spring 8. Such movement, however, is not entirely prevented by the spring, but the said spring also serves to return the sight to its initial position so that the manual adjustment of the sight, and the loss of time as well as annoyance thus occasioned will be entirely and automatically overcome.

Having described the invention, I claim:—

In combination with a firearm having inner and outer ring supports for a tubular sight and the outer ring support having a V-shaped notch in its outer edge, and which sight is susceptible to an outward longitudinal movement through the supports by the recoil of the firearm after its discharge, of a combined shock absorber and sight replacer for said sight, comprising a collar loose on the sight and in contact with the inner face of the outer support, a second collar fixed on the sight, a comparatively heavy coil spring arranged on the sight and bearing against the collars, and a pin on the sight designed to be received in the V-shaped notch on the outer ring support when the spring influences the sight to normal position.

In testimony whereof I affix my signature.

JOHN D. WOODS.