

No. 845,491.

PATENTED FEB. 26, 1907.

C. G. THUNEN.  
SIGHT FOR FIREARMS.  
APPLICATION FILED OCT. 26, 1906.

Fig. 1.

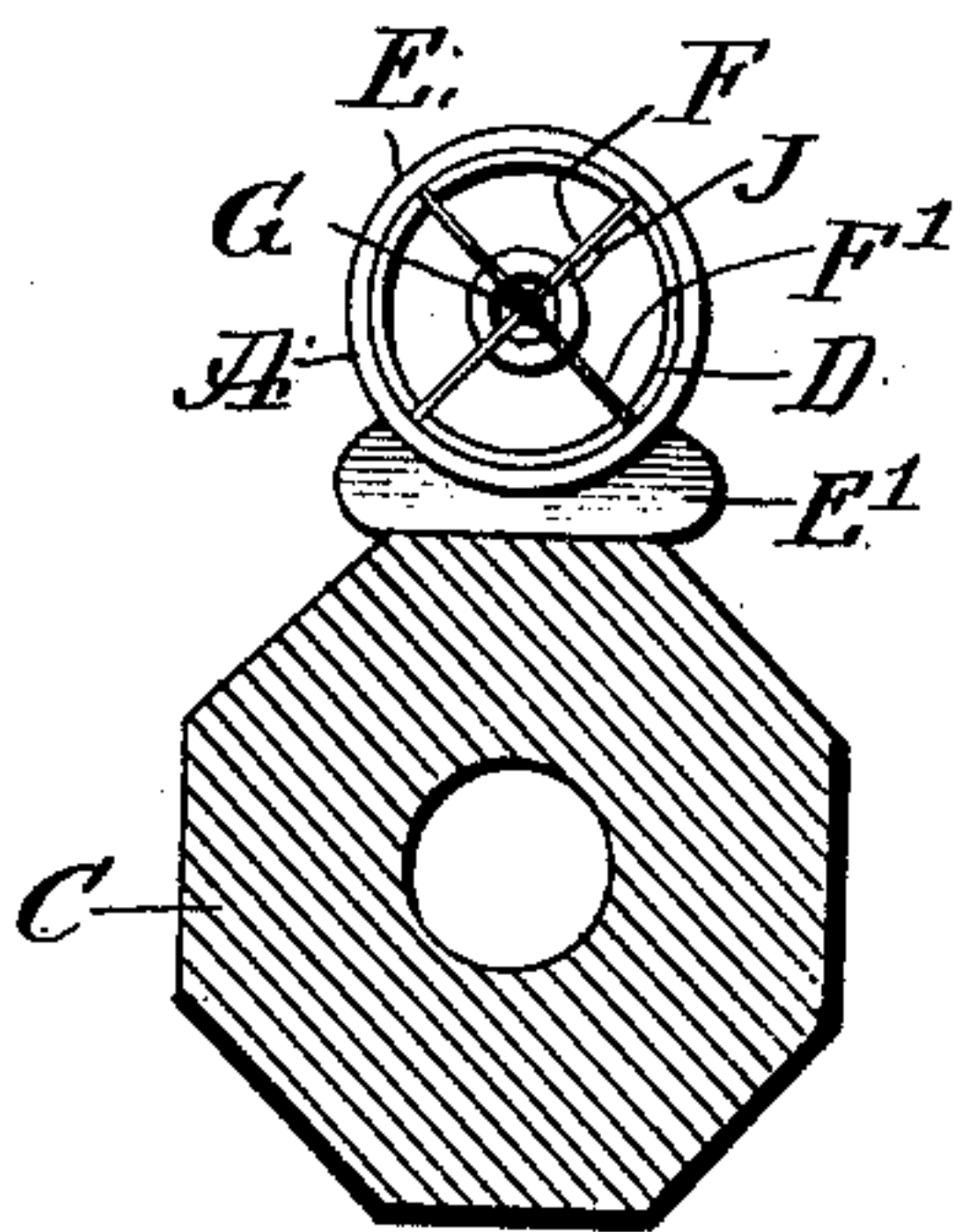


Fig. 2.

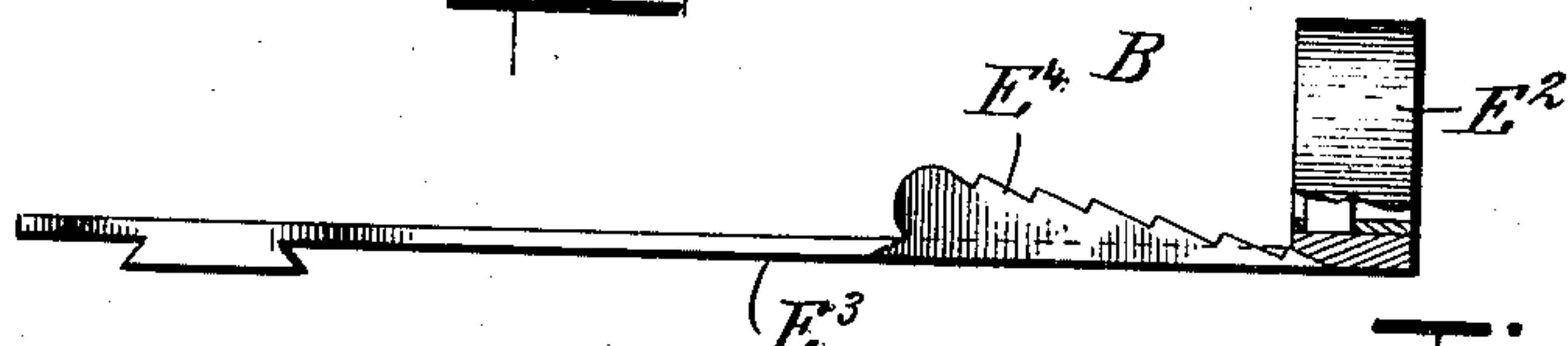


Fig. 3.

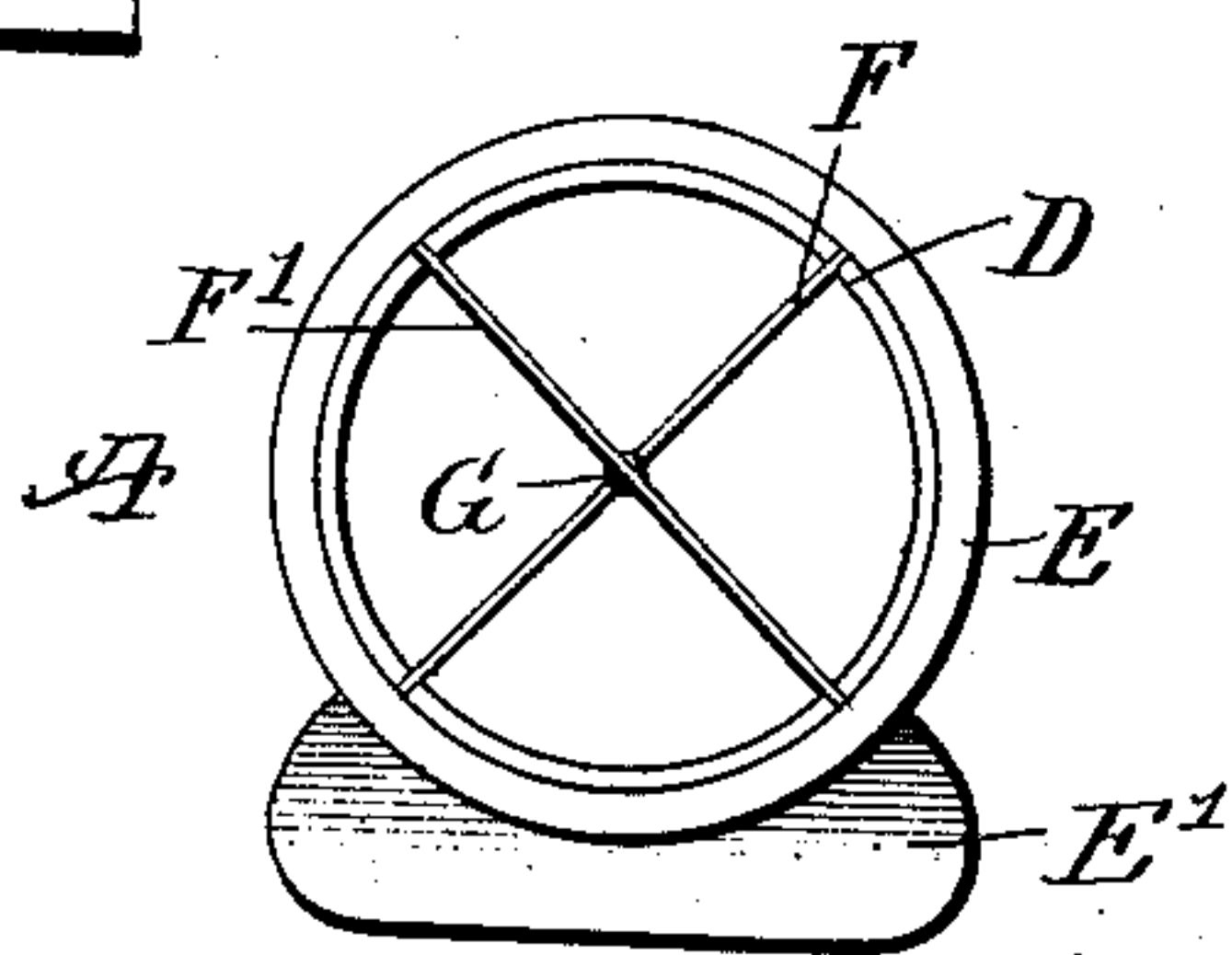


Fig. 4.

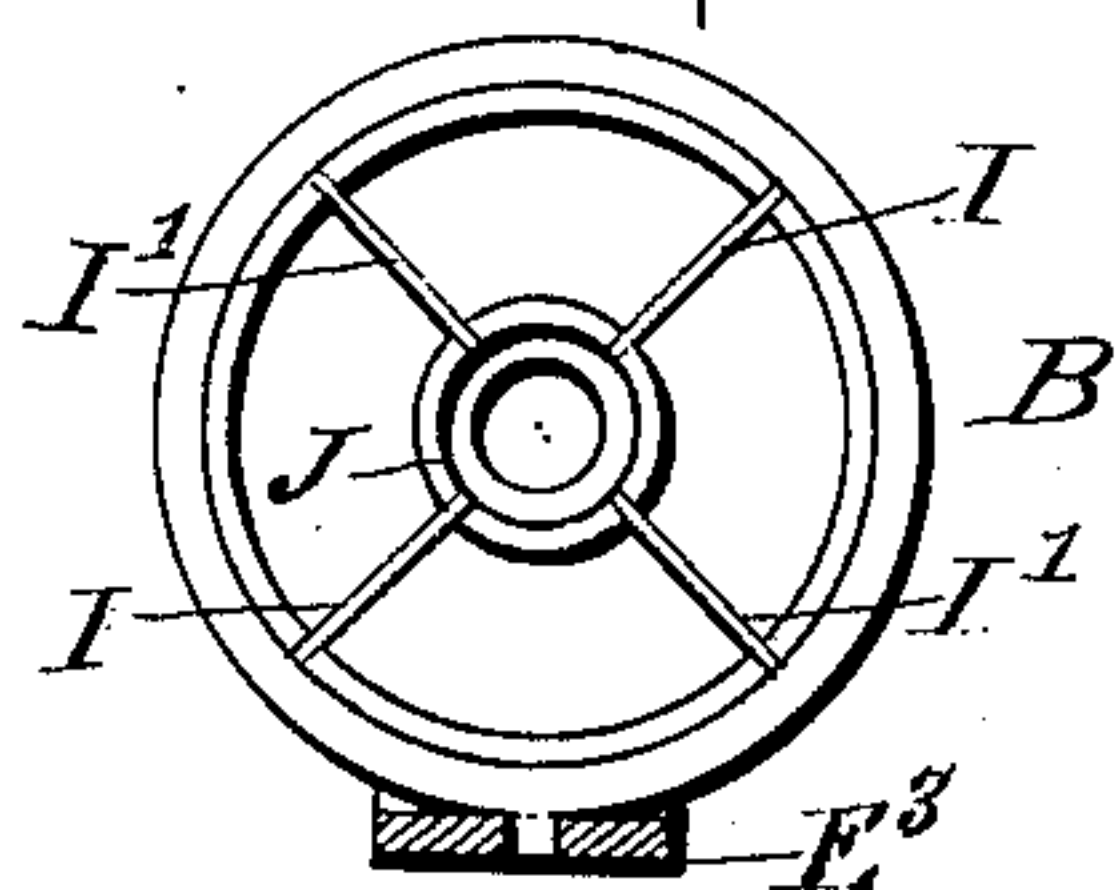


Fig. 5.

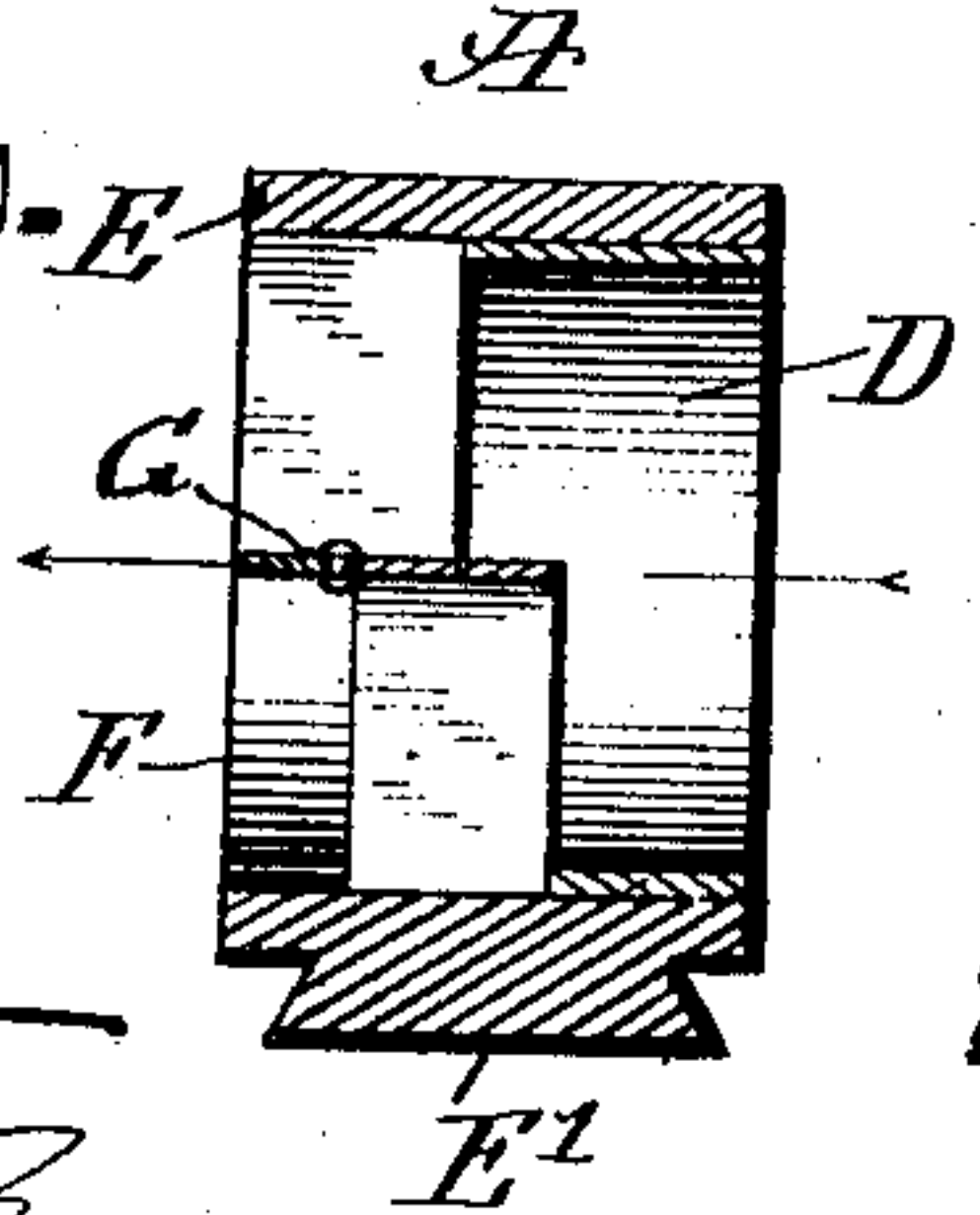
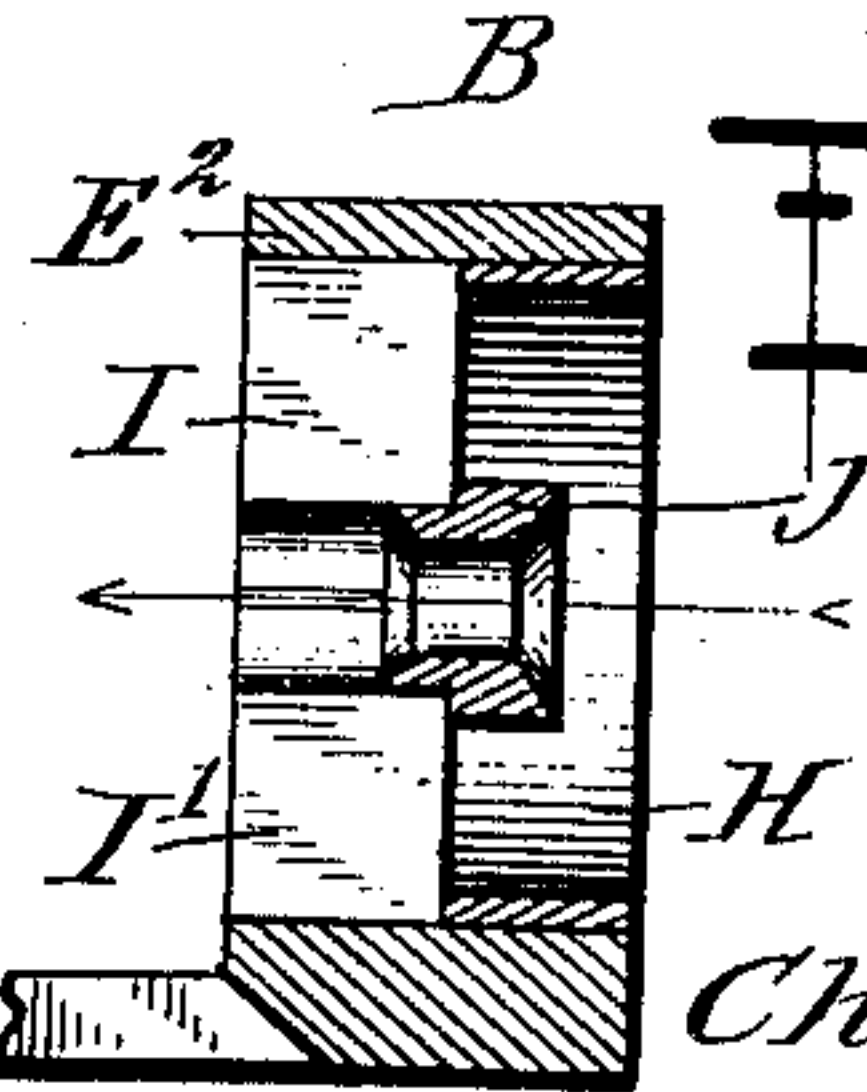


Fig. 6.



WITNESSES

*Wm. H. ...*  
*Geo. H. ...*

INVENTOR

Charles G. Thunen

BY

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# UNITED STATES PATENT OFFICE.

CHARLES GERHARD THUNEN, OF OROVILLE, CALIFORNIA.

## SIGHT FOR FIREARMS.

No. 845,491.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed October 26, 1906. Serial No. 340,673.

*To all whom it may concern:*

Be it known that I, CHARLES GERHARD THUNEN, a citizen of the United States, and a resident of Oroville, in the county of Butte and State of California, have invented a new and Improved Sight for Firearms, of which the following is a full, clear, and exact description.

The invention relates to gun-sights such as shown and described in Letters Patent of the United States No. 573,725, granted to me December 22, 1896.

The object of the present invention is to provide a new and improved sight for firearms which is simple and durable in construction and arranged to allow rough usage and to permit obtaining an exceedingly accurate sight without danger of being blurred by mist or rain settling on the parts of the sight.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the improvement as applied to the barrel of a gun, the barrel being shown in cross-section. Fig. 2 is a side elevation of the rear sight detached from the gun, and parts being shown in section. Fig. 3 is an enlarged rear elevation of the front sight. Fig. 4 is an enlarged rear elevation of the rear sight, the spring-plate being shown in section. Fig. 5 is an enlarged longitudinal sectional elevation of the front sight, and Fig. 6 is a like view of the rear sight.

The front sight A and the rear sight B are mounted in the usual manner on the barrel C of the gun or other firearm on which the sights are used. The front sight A is held in a ring E, having a dovetail base E' fitting a correspondingly-shaped groove on the barrel, and within the said ring E is fitted a tubular support D, carrying cross-strips F and F', of which one is provided at its middle with a slot for receiving a portion of the other strip, and one of the strips—as shown, the strip F—is provided at the intersection of the two strips with a bead G, appearing on the opposite faces of the strip, as plainly indicated in Fig. 3. The outer

ends of the strips F and F' are fitted into slots in the tubular support D, so that the latter carries the said cross-strips and one of the latter centrally supports the bead G. The strips F F' are arranged at right angles one to the other and are preferably placed at an angle of forty-five degrees to the vertical, as plainly indicated in the drawings.

The rear sight B is mounted on a ring E<sup>2</sup>, held on the shell spring-plate E<sup>3</sup>, having a notched plate E<sup>4</sup> for adjusting the elevation of the sight in the usual manner, and within the said ring E<sup>2</sup> is fitted a tubular support H, carrying cross-strips I and I', centrally supporting a sight-tube J, the axis of which coincides with the axis of the tubular support H and with the bead G of the front sight A. (See Figs. 5 and 6.) The cross-strips I I' are arranged at right angles one to the other and are preferably placed at an angle of forty-five degrees to the vertical.

By arranging the cross-strips F F' and I I' in the manner described it is possible to adjust the base for a common open or other rear sight in the bottom of the tubular support H and between the lower supports of the strips I I' of the rear sight and an ordinary front side base correspondingly in the bottom of the tubular support F' of the front sight. However, as the tubular supports D and H are detachable and removable at pleasure the cross-strips F F' and I I' may be placed at any angle relative to the vertical. The ordinary open sight may be placed, together with the improved sight shown and described, on any firearm similarly as open sights are now used as peep-sights on the same firearm.

Now by the arrangement described the bead G as well as the sight-tube J are centrally arranged within the tubular supports D and H, and hence are not liable to be obstructed by mist or rain settling on the said parts. It will also be noticed that by having the supports for the bead G and the sight-tube J made of thin metal strips an exceedingly strong support is provided for the said parts, and hence a proper alinement is always had to insure accurate sight. By mounting the tubular supports D and H in the rings E and E<sup>2</sup> it is evident that such supports and the parts carried by the same can be readily removed at any time in case the sight is damaged and needs replacing.

In using the sights the object aimed at and the bead G of the front sight A are in a direct



line through the axis of the sight-tube J of the rear sight B, and as the bead G is very small it is evident that a very fine sight can be drawn even in poor or uncertain light on any object, whether light or dark. The bead G is preferably made of aluminium or other light metal, and the contrast of the light bead with a dark object enables the marksman to fix the aim perfectly, and if the object is light the dark cross-strips F and F' of the front sight A furnish the contrast of color with the object.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In gun-sights, the combination with the front sight, comprising a ring having a base for attachment to the gun, a tubular support within the ring and provided with cross-strips having at their intersection a bead, of the rear sight comprising a ring mounted on a shell spring-plate provided with a notched plate for adjusting the elevation of the sight,

a tubular support within the ring, and provided with cross-strips and a sight-tube centrally supported within the tubular support by the cross-strips, the said bead being arranged in the axis of the said sight-tube.

2. A gun-sight comprising a front sight and a rear sight, the front sight having a tubular support, cross-strips in the said support, and a bead attached to one of the strips and located at the intersection of the strips, the said rear sight having a tubular support, cross-strips in the said support, and a sight-tube centrally supported within the said tubular support by the said cross-strips, the said bead being arranged in the axis of the said sight-tube.

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

CHARLES GERHARD THUNEN.

Witnesses:

W. E. DUNCAN, Jr.,

FRANK THUNEN.