

No. 810,761.

PATENTED JAN. 23, 1906.

L. HILLABRANDT.  
GUN SIGHT.

APPLICATION FILED DEC. 6, 1904.

FIG. 1.

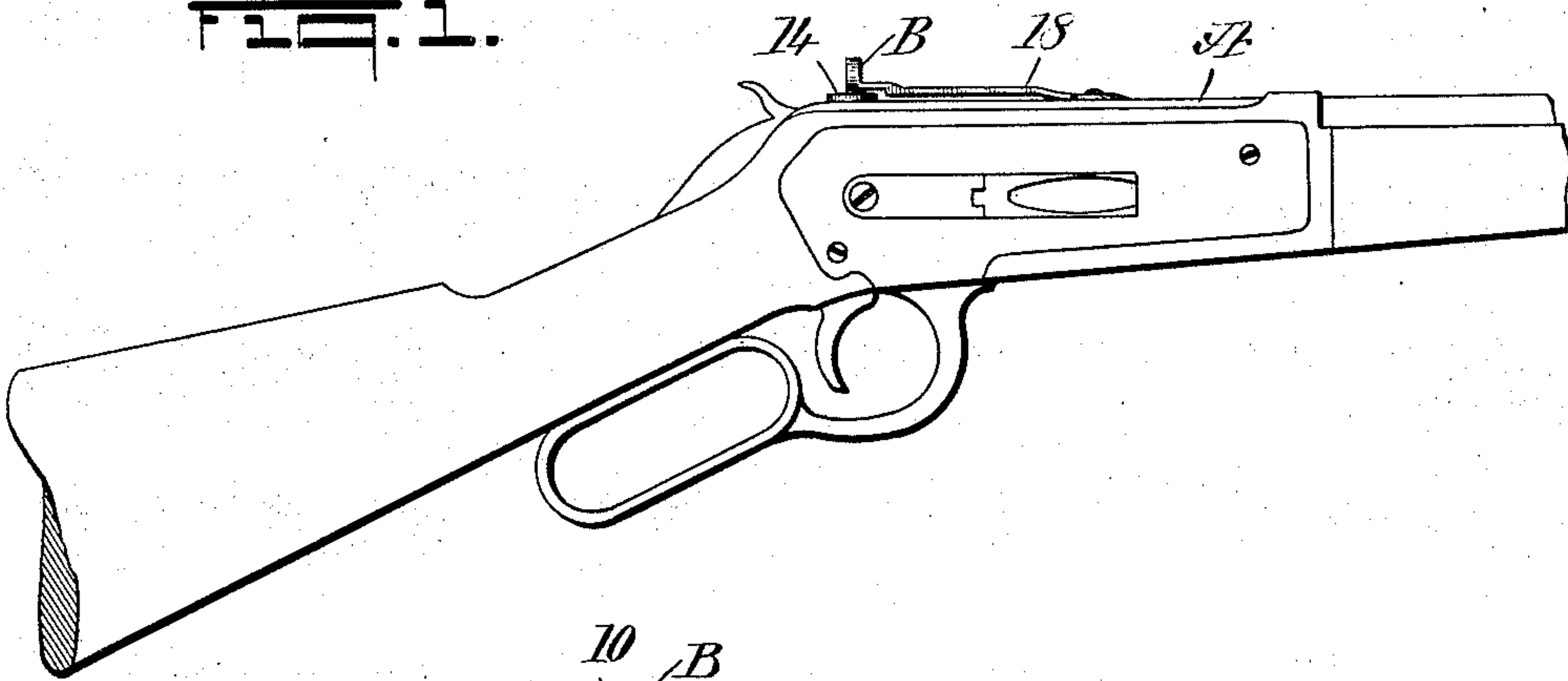


FIG. 2.

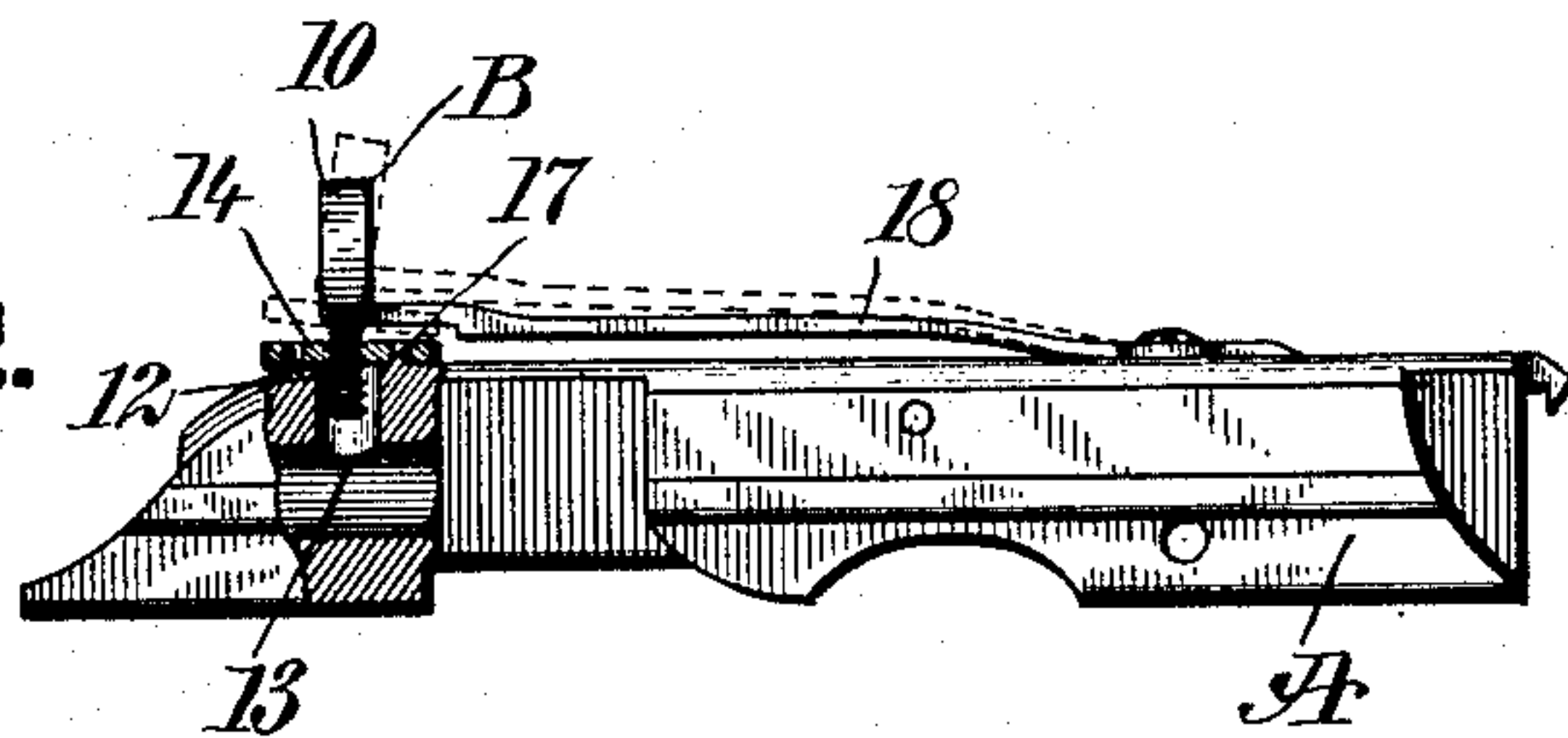


FIG. 3.

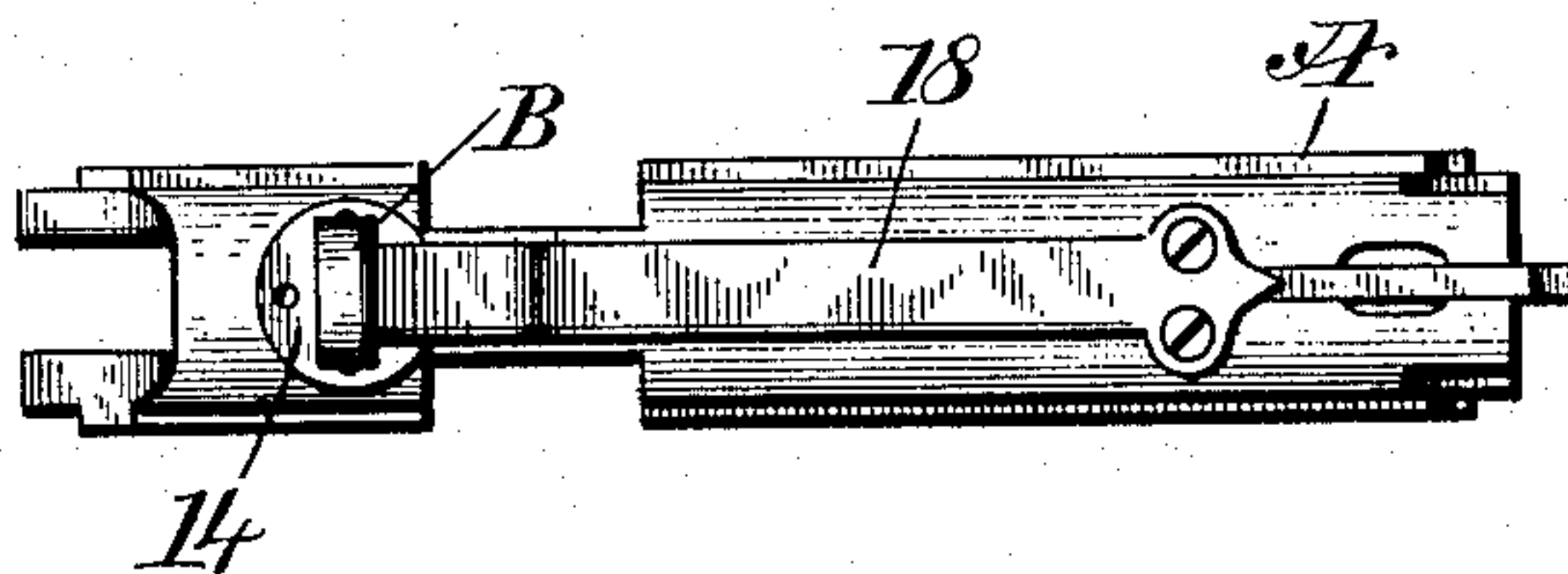


FIG. 7.

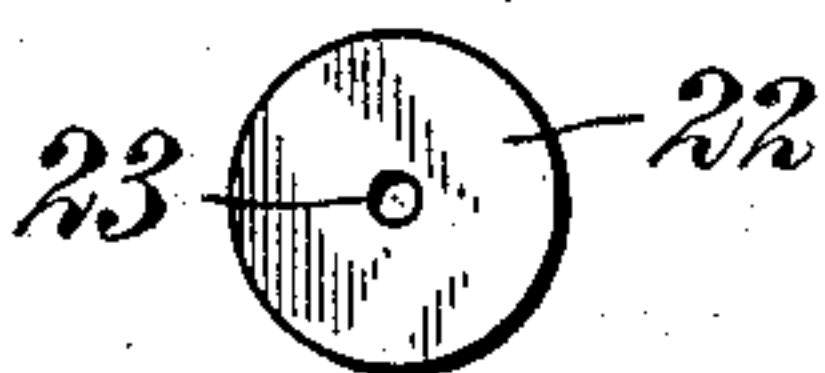


FIG. 8.



WITNESSES:

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FIG. 4.

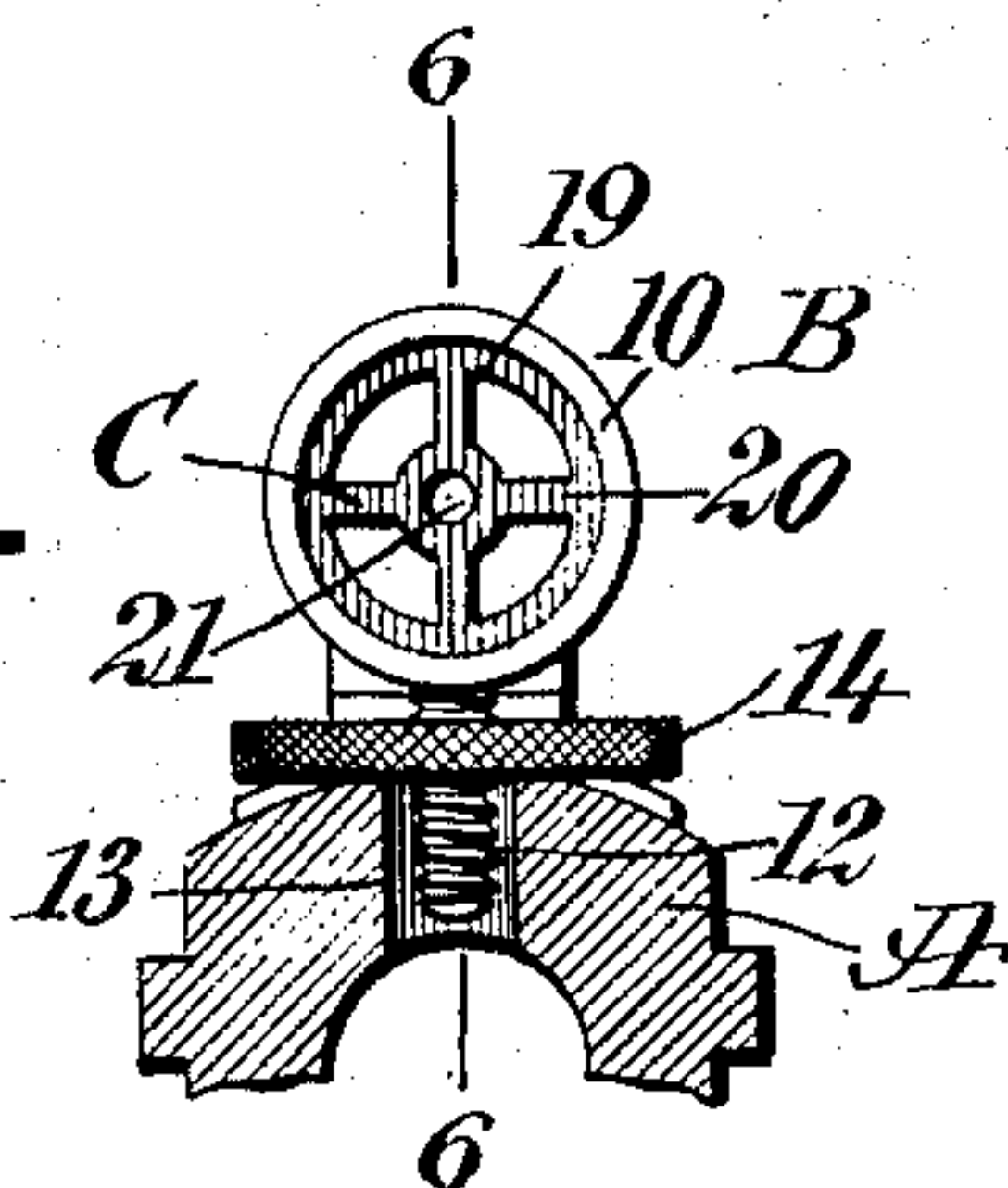


FIG. 5.

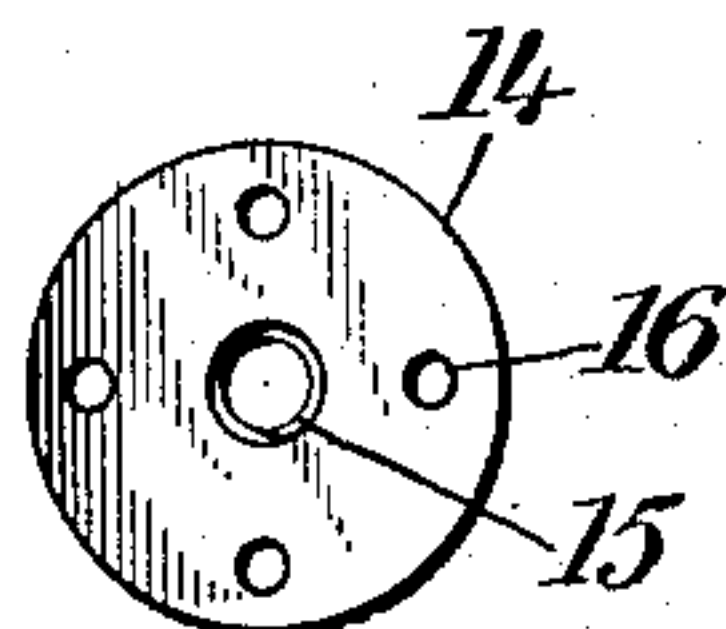
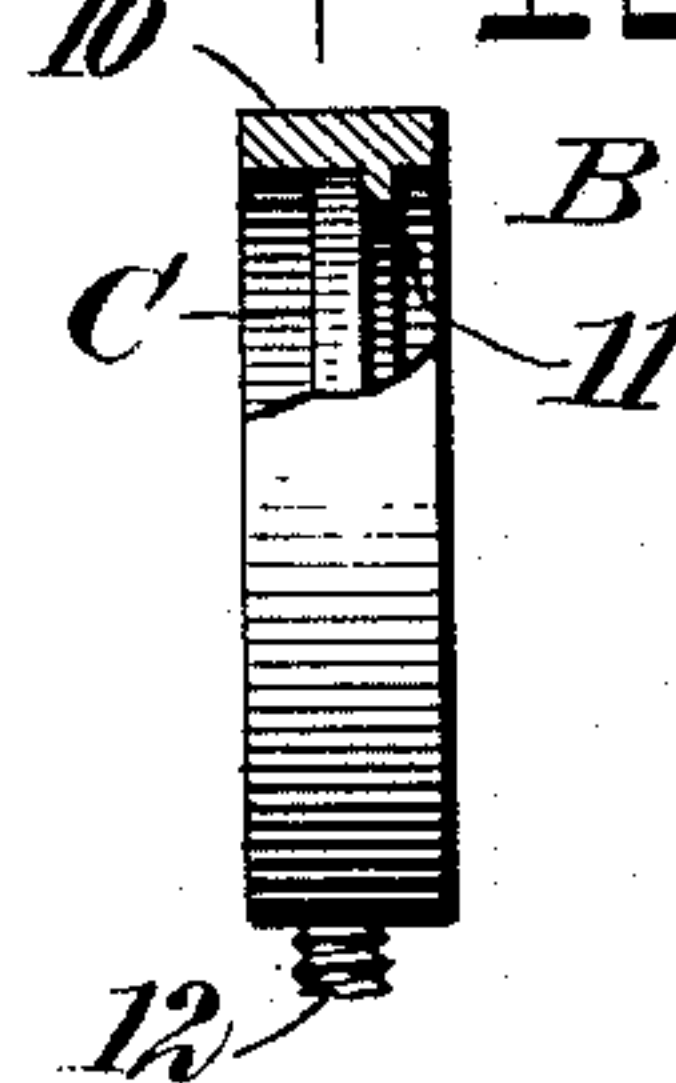


FIG. 6.



INVENTOR

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BY

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ATTORNEYS



# UNITED STATES PATENT OFFICE.

LUCIAN HILLABRANDT, OF JOHNSTOWN, NEW YORK.

## GUN-SIGHT.

No. 810,761.

Specification of Letters Patent,

Patented Jan. 23, 1906.

Application filed December 6, 1904. Serial No. 235,662.

*To all whom it may concern:*

Be it known that I, LUCIAN HILLABRANDT, a citizen of the United States, and a resident of Johnstown, in the county of Fulton and State of New York, have invented a new and Improved Gun-Sight, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a rim-sight which is of circular form and to provide therefor a removable fine or auxiliary sight which is preferably in the nature of a ring having a spider inner section including vertical and horizontal bars and a central peep or which may be in the form of a disk provided with a peep-hole or a scratch-sight.

Another purpose of the invention is to provide such a sight with means whereby it may be quickly and conveniently vertically adjusted without the use of any tool and locked in adjusted position until readjustment is required, the locking device being such that the sight cannot get out of adjustment by any ordinary accident.

A further purpose of the invention is to provide an adjustable sight adapted for attachment to the receiver-frame or breech-bolt or barrel, so that the sight will not interfere with the hands in the operation of the arm and which will not kick back and injure the marksman's eye and also to so construct the sight that it will be exceedingly simple, accurate, and readily understood.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a rifle and the improved sight applied. Fig. 2 is a sectional side elevation of the breech-bolt and a sectional side elevation of the improved device, the device being illustrated in two positions. Fig. 3 is a plan view of the breech-bolt and the sight. Fig. 4 is a transverse section through the breech-bolt and a side elevation of the sight. Fig. 5 is a plan view of the adjusting-nut. Fig. 6 is a vertical section taken practically on the line 6-6 of Fig. 4, and Figs. 7 and 8 are detail views of auxiliary or fine sights which may be substituted for the spider-sight shown in Fig. 4.

Many marksmen object to the large aper-

tures of some sights now in use on the ground that in aiming there is a liability to vary from the center of the peep, rendering it difficult to do fine shooting, and, on the other hand, a small aperture is too slow for quick shooting at moving objects. I aim to make a compromise sight or one which can be relied upon and conveniently brought into action under all ordinary conditions.

The sight may be used in connection with the receiver of the gun, the barrel, the frame of the gun, or its breech-bolt. In the drawings the sight is shown as applied to the breech-bolt A.

The sight consists of a main sight B and an auxiliary sight C, contained within the main sight and removable therefrom. The main sight B consists of a ring-like body 10, provided on its inner face with an annular rib 11, as is shown in Fig. 6, and a threaded stem or screw 12 is secured in any suitable or approved manner to the bottom portion of the ring-body 10, as is shown in Figs. 2 and 4. This threaded stem 12 is made to enter an opening 13, produced in the upper rear end portion of the breech-bolt A, as is clearly shown in Figs. 2 and 4, and in connection with the threaded stem 12 an adjusting-nut 14 is employed, which, as is illustrated in Fig. 5, is provided with a threaded central opening 15 and a series of plain apertures 16 adjacent to the periphery, and either one of the apertures 16 is adapted to receive a lug 17, which extends up from the upper face of the breech-bolt, as is shown in Fig. 2, and the adjusting-nut is held against the breech-bolt with the said lug 17 in one of the apertures 16 of the adjusting-nut by means of a spring 18, secured at one end to the ring-body of the main sight and at its upper end to a forward portion of the breech-bolt A. When the main sight is to be adjusted up or down, it is necessary to first move the sight bodily upward, so as to relieve the adjusting-nut 14 from the locking-lug 17, whereupon the adjusting-nut may be turned, and when the nut is permitted to again drop to an engagement with the breech-bolt it is turned until the lug 17 enters one of the apertures 16 in the adjusting-nut, and the main sight will then remain in adjusted position without the possibility of accidental displacement.

The auxiliary sight C is preferably constructed as is shown in Fig. 4, comprising a ring 19, adapted to fit into the ring-body 10 of the main sight B and engage with the rear



face of the rib 11 in the said main sight. Vertical and transverse bars 20 extend from the ring 19 and meet at the central portion of the said ring, at which point of meeting of the bars a peep 21 is provided. In operation the cross-bars and central or inner peep 21 appear as fine lines or shadows and do not obstruct the view for a quick aim, while they still aid the eye to quickly find the center, and yet the inner peep is distinct enough to allow a more exact aim to be taken when there is time to do so.

The auxiliary sight C may be termed a "disk" sight, and the disk sights are usually made slightly dishing or convex and are sprung into place in the main sight. The main sight only may be used; if desired, as the auxiliary fine or disk sights are readily removable. If desired, the auxiliary sight may be in the form of a solid disk 22, as is shown in Fig. 7, provided with a central peep 23, or the auxiliary sight may be constructed as shown in Fig. 8, consisting of a disk 24, having an angular opening 25 therein, producing a crotch-sight. The sight is readily, quickly, and accurately adjusted vertically without the assistance of a tool, and it is not at all liable to get out of adjustment. The use of the fine thread on the elevating screw or stem 12 and the production of a greater number of apertures 16 in the adjusting-nut will provide for very accurate adjustment. By causing the elevating screw or stem to enter the aperture 13 in the breech-bolt or part supporting the sight the sight is prevented from being displaced or knocked sidewise or laterally.

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

1. A gun-sight, comprising a ring-shaped member, having a threaded projection, a nut on the said projection and provided with a plurality of openings, and a sight held within the ring-shaped member.

2. In a gun-sight, the combination with the breech-bolt, of a ring-shaped member provided with a projection, an adjustable member on the projection and engaging the breech-bolt, a sight within the ring-shaped member, and a spring exerting downward tension on the said ring-shaped member.

3. The combination with a gun having a

vertical opening, of a sight comprising a ring-shaped member having a threaded projection extending into the opening of the gun, a nut on the threaded projection of the ring-shaped member, means for locking the nut in position, and a sight held within the ring-shaped member.

4. In a gun-sight, the combination with the breech-bolt of a gun, of a sight provided with a projection, means on the projection and engaging the breech-bolt for adjusting the said sight, and means for locking the adjusting means in position.

5. In a gun-sight, the combination with the breech-bolt of a gun provided with an opening, of a sight provided with a threaded projection entering the opening of the breech-bolt, a nut on the threaded projection and engaging the breech-bolt, and a spring secured to the breech-bolt and to the sight.

6. In a gun-sight, the combination with the breech-bolt of a gun having an opening therein and provided with a lug, of a ring-like sight having a threaded projection entering the opening of the breech-bolt, a nut on the threaded projection and provided with a plurality of openings for receiving the lug of the breech-bolt, and a spring secured to the sight and to the breech-bolt.

7. In a gun-sight, the combination with the breech-bolt of a gun provided with an opening, and a lug adjacent to said opening, of a sight in the form of a ring-like body and having a threaded projection entering the opening of the breech-bolt, an auxiliary sight removably held in the body, a nut on the threaded projection and provided with a plurality of openings, and a spring having one end secured to the breech-bolt and its other end to the main sight.

8. A gun-sight, comprising a main sight in the form of a ring-like body and having an annular rib on its inner face, and an auxiliary disk sight having an opening therein, said disk sight being made thin and adapted to be sprung into place in the main sight.

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

LUCIAN HILLABRANDT.

Witnesses:

WILLIAM C. HUTCHINS,  
GEORGE C. POTTER.