

H. Q. BRITTON.

GUN SIGHT.

APPLICATION FILED APR. 26, 1919.

1,371,733.

Patented Mar. 15, 1921.

Fig. 1.

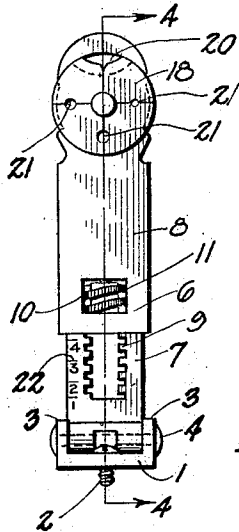


Fig. 6.

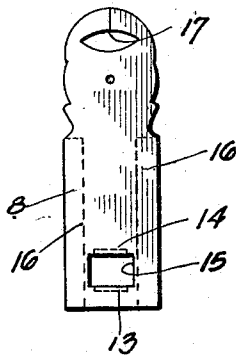


Fig. 2.

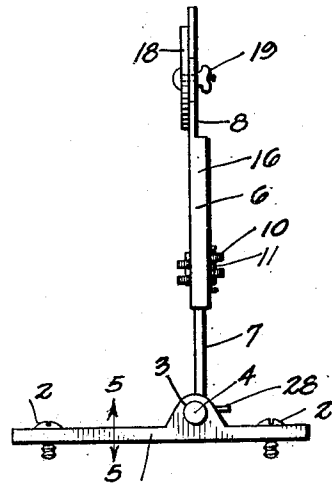


Fig. 7.



Fig. 4.

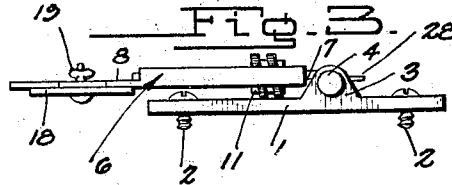
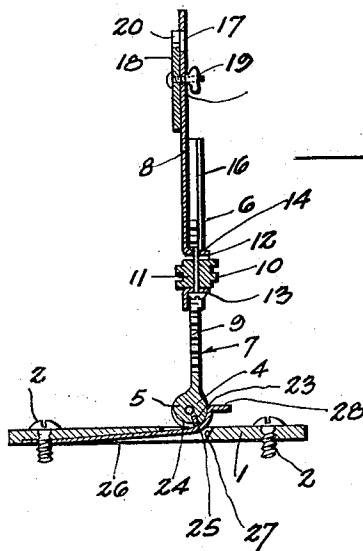


Fig. 8.

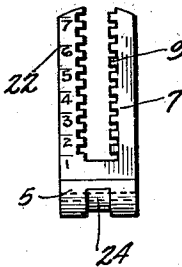
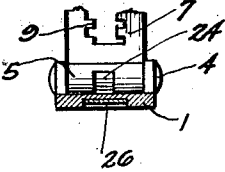


Fig. 5.



Henry Q. Britton
Inventor

By *Lancaster and Allwine*
Attorneys

1413

UNITED STATES PATENT OFFICE.

HENRY Q. BRITTON, OF DULUTH, MINNESOTA.

GUN-SIGHT.

1,371,733.

Specification of Letters Patent. Patented Mar. 15, 1921.

Application filed April 26, 1919. Serial No. 292,834.

To all whom it may concern:

Be it known that I, HENRY Q. BRITTON, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Gun-Sights, of which the following is a specification.

This invention relates to a sight for rifles or guns, and an object of the invention is to provide a gun sight which may be adjusted for range and which also may be adjusted to provide various sized peep openings depending upon the condition under which the sight is used.

More specifically, the invention comprehends the provision of an attaching plate, adapted for attachment with any type of gun with which the sight is adaptable for use, and which pivotally supports the standard of the gun sight, the latter being composed of a pair of adjustably connected sections, one of which carries a sight opening, the adjustment being provided to move this sight opening toward or from the gun barrel for adjusting the sights to various ranges, and also to provide a disk which is rotatably carried by the standard and is provided with a plurality of spaced openings adapted to be moved, by rotation of the disk into alinement with the sight opening in the standard for varying the size of the said opening, changing it from an open sight to peep sights of various sizes, adapted for use under different shooting conditions to permit more accurate aiming of the rifle or firing arm.

A still further object of the invention is to provide a novel construction for supporting the standard in its elevated position which comprises a flat spring carried by the attaching base and having a lug thereon adapted to engage in a recess formed in the barrel of the standard.

Other objects of the invention will appear in the following detailed description taken in connection with the accompanying drawings, forming a part of this specification, and in which drawings:

Figure 1 is a face or front elevation of the sight.

Fig. 2 is a side elevation of the sight.

Fig. 3 is a side elevation of the gun sight showing the standard in a folded inoperative position.

Fig. 4 is a vertical section through the gun sight taken on the line 4—4 of Fig. 1.

Fig. 5 is a fragmentary vertical section through the gun sight taken on the line 5—5 of Fig. 2.

Fig. 6 is a front elevation of the disk carrying portion of the standard.

Fig. 7 is a bottom plan of the disk carrying portion of the standard, and

Fig. 8 is a front elevation of the lower portion of the standard which is pivotally connected to the attaching face.

Referring more particularly to the drawings, 1 indicates the attaching face of the improved gun sight, which is substantially flat and carries a pair of attaching members, such as set screws, indicated at 2, to securely attach it to the barrel of a fire arm. The face 1 is provided with upstanding ears 3, intermediate its ends, which receive there-through the pivot pin 4. This pivot pin 4 extends through the barrel 5 of the standard structure 6 for pivotally connecting the standard to the attaching face 1.

The standard 6 comprises a pair of adjustably connected sections 7 and 8. The section 7 upon the lower end of which the barrel 5 is formed is provided with a longitudinally extending recess extending downwardly therein from its upper end as clearly shown in Fig. 8 of the drawings. The side walls or edges of this recess are provided with a plurality of spaced teeth 9 arranged in threaded relation with respect to each other, for receiving therein the external threads 10 of the nut 11, for advancing the section 8 over the section 7 upon rotation of the nut 11. This nut 11 is rotatably supported by a pin 12, which extends through laterally bent ears 13, and 14. The ears 13 and 14 are preferably formed by the cutting of the openings 15 in the main body of the section 8, the said opening being formed to receive the nut 11. This section 8 is made of any suitable material, and it has guide ways 16, formed upon each end thereof, for a portion of its length, which guide ways engage the edges of the lower section 7 for slidably connecting the sections 7 and 8 and guiding their slidable or adjusting movement. The upper end of the section 8 is provided with a sight opening 17. A disk 18 is rotatably connected to the section 8 of the standard of the sight, near its upper end and is held in adjusted position by the wing nut 19. The disk 18 has a relatively large recess or cut out portion 20 formed therein and extending inwardly from its periphery,

and it is also provided with a plurality of relatively small openings 21, of various diameters, as shown in Fig. 1 of the drawings. Any one of the openings 21 or the recess 20
5 may be moved into alinement with the sight opening 17, for varying the size of the openings through which the gun is sighted, depending upon the condition at the time of shooting of the gun, the distance from the
10 article aimed at and other conditions contingent with the use of the gun.

The section 7 is preferably provided with graduations as indicated at 22, permitting regulation of the vertical adjustment of the
15 section 8, to properly position the sight opening, to permit proper sighting of the gun at various ranges.

The barrel 5 is provided with a recess 23 extending radially therein, and it is also
20 provided with an eccentric or cam surface as indicated at 24 intermediate its ends, over which a lug 25 is adapted to ride for seating in the recess 23 to lock or hold the
25 lug 25 is carried by a flat spring 26. The spring 26 is carried by the attaching face 1 projecting upwardly through an opening 27 therein to permit engagement of the lug 25 in the recess 23, and this spring has a finger
30 piece 28 formed upon its free ends, to permit depression of the spring to move the lug 25 out of the recess 23 to allow the standard 6 to be moved downwardly, as shown in Fig. 3 of the drawings.

35 Changes in details may be made without departing from the spirit of this invention, but;

I claim:

1. In a gun sight, the combination, of an
40 attaching base, a standard pivotally carried by said attaching base, yieldable means for maintaining said standard in an upright position, said standard comprising a pair of sections adjustably connected, a threaded
45 nut carried by one of said sections and adapted for engagement with the other of said sections to move the nut carried sector with respect to the other section, said nut
50 opening.

2. In a gun sight, the combination, of an attaching base, a standard pivotally connected to said base and comprising a lower section, and an upper section, said lower
55 section provided with a longitudinal cut out portion the edges of which are provided with teeth, a nut rotatably supported by the upper section and provided with external
60 threads for engagement with said teeth to move the upper section longitudinally over the lower section.

3. In a gun sight, the combination, of an attaching base, a standard pivotally connected to said base and comprising a lower
65 section and an upper section, said lower section provided with a longitudinal cut-out portion, the edges of which are provided with teeth, a nut rotatably supported by the upper section and provided with external
70 threads for engagement with said teeth to move the upper section longitudinally over the lower section, said upper section provided with a sight opening, and a disk rotatably carried by said upper section and
75 provided with a plurality of openings of different sizes adapted for movement into alinement with said sight opening.

4. In a gun sight, the combination, of an attaching base, a standard pivotally connected to said base and comprising a lower
80 section and an upper section, said lower section provided with a longitudinal cut-out portion, the edges of which are provided with teeth, a nut rotatably supported by the upper section and provided with external
85 threads for engagement with said teeth to move the upper section longitudinally over the lower section, said upper section provided with sight openings, a disk rotatably carried by said upper section and provided
90 with a plurality of openings of different sizes adapted for movement into alinement with said sight openings, a flat spring carried by said attaching base, a lug formed upon said flat spring, said lower section
95 provided with a recess adapted to receive said lug therein for maintaining the standard in an upright position.

HENRY Q. BRITTON.