

No. 661,031.

Patented Nov. 6, 1900.

S. A. BRAY.
GUN SIGHT.

(Application filed Feb. 16, 1900.)

(No Model.)

Fig. 1.

Fig. 2.

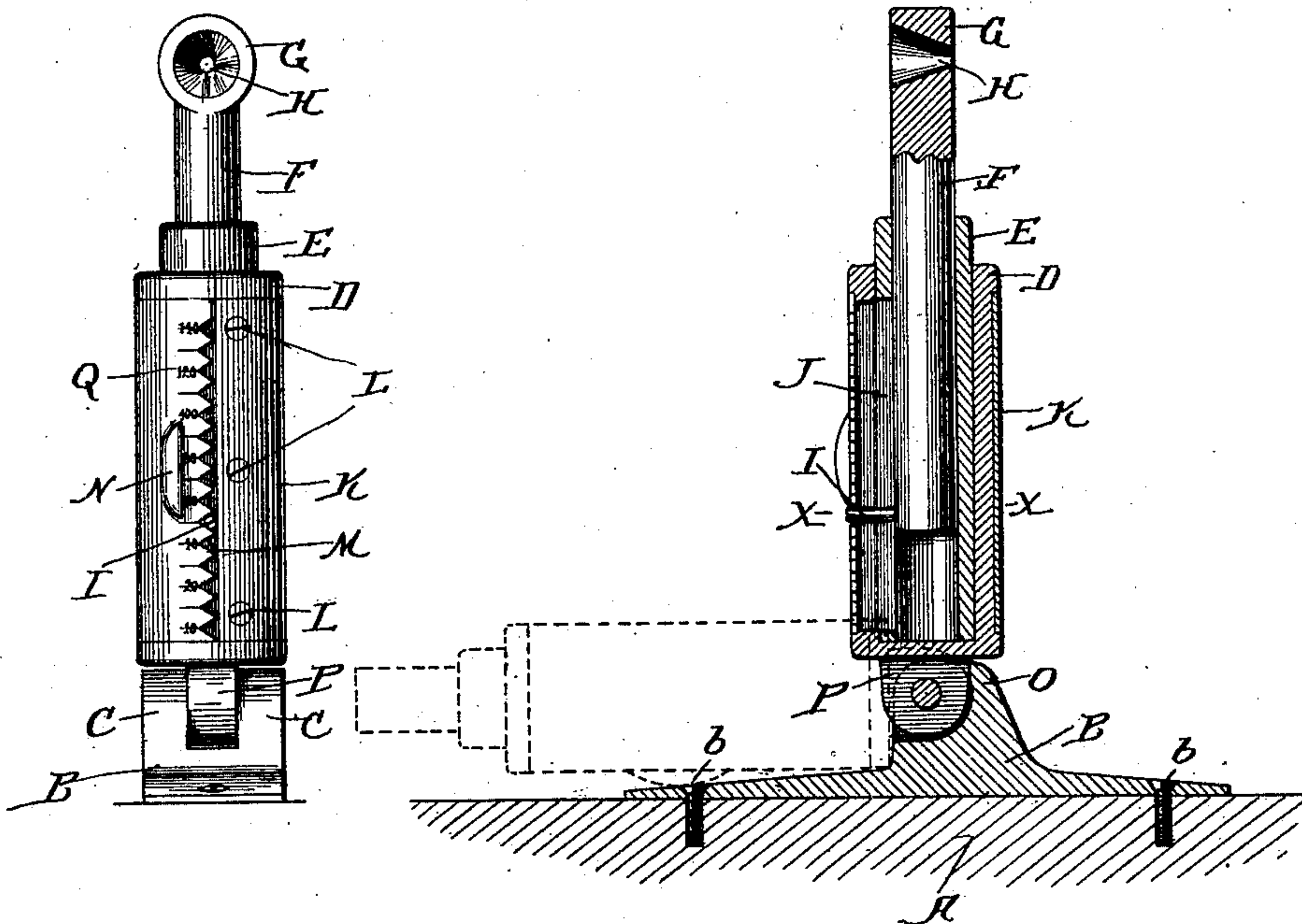
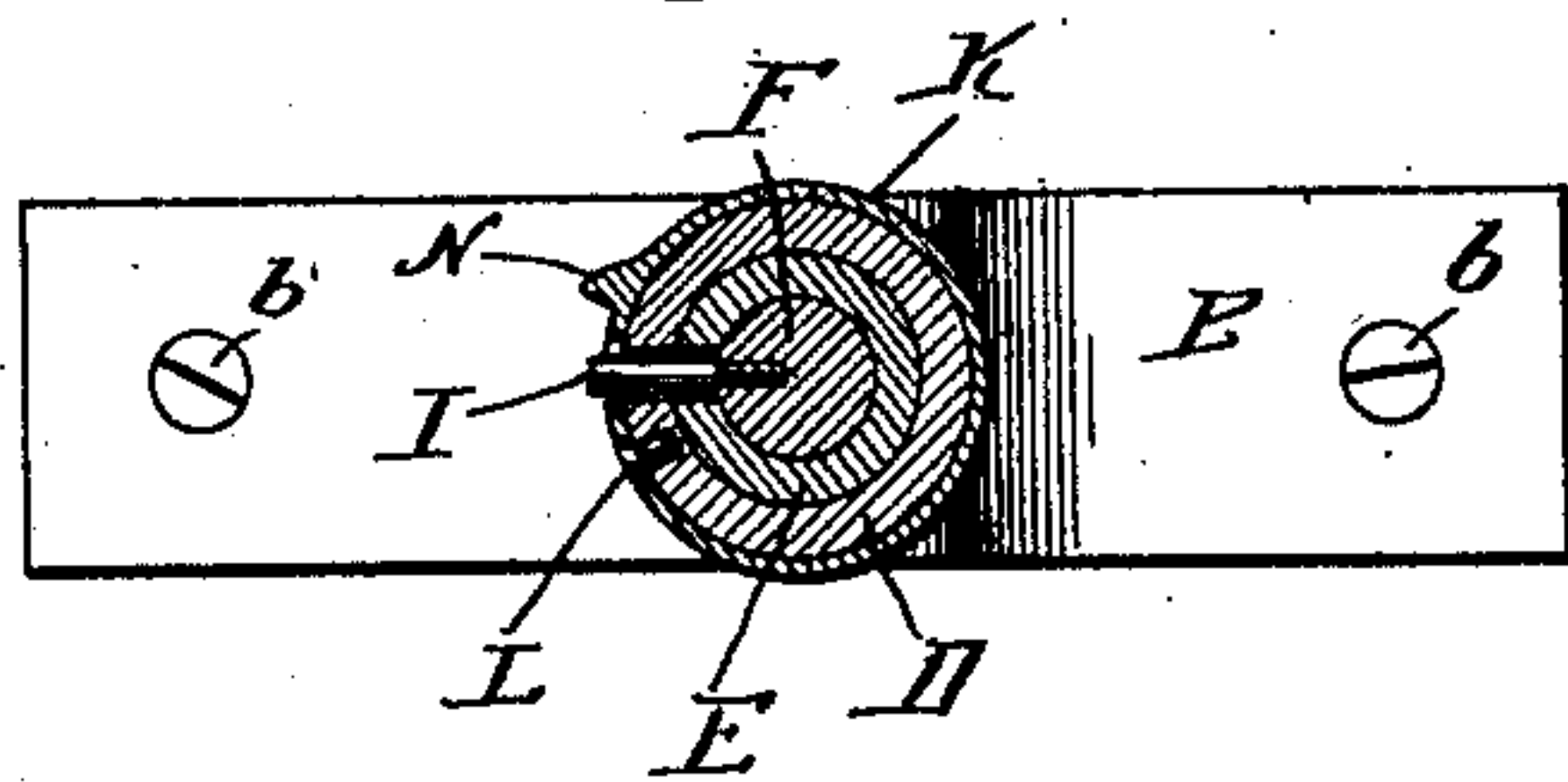


Fig. 3.



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UNITED STATES PATENT OFFICE.

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GUN-SIGHT.

SPECIFICATION forming part of Letters Patent No. 661,031, dated November 6, 1900.

Application filed February 16, 1900. Serial No. 5,446. (No model.)

To all whom it may concern:

Be it known that I, SOLON A. BRAY, a citizen of the United States, residing at Carrol, county of Blaine, and State of Idaho, have
5 invented a certain new and useful Improvement in Gun-Sights, of which the following is a specification.

My invention relates to a new and useful improvement in gun-sights, and has for its
10 object to provide a simple and effective device of this description in which the sight is made easily adjustable and at the same time proof against displacement by any jar occasioned in firing the gun and also to be made
15 so simple as to make the cost of manufacture comparatively small.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and
20 then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described
25 in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a front elevation of my gun-sight. Fig. 2 is a longitudinal section shown
30 in full lines in its operating position and in dotted lines folded when not in use, and Fig. 3 is a section on the line *xx* of Fig. 2.

In carrying out my invention as here embodied, A represents the portion of the gun-stock to which is secured the stock-plate B by any suitable means, shown in the drawings as screws *b*. Pivoted between ears C C of the stock-plate is a standard D. This standard is bored out to within a short distance of
40 its lower end, and a tube E is fitted tightly therein, forming a bushing for the exact guidance of the shank F, said shank having on its upper end a flattened portion G, through which is formed the conical hole H, which
45 forms the sight proper of the gun. Secured in the lower end of the shank F is a small screw or pin I, passing through the longitudinal slot J, cut through both the standard D and tube E. The screw I extends a short distance
50 past the outer surface of the standard D and forms the means of adjusting the height of the gun-sight H. Secured to the

outside of the standard D, near one edge of the slot J, is a band of spring metal K. Said band after being secured, as shown, by the
55 screws L passes around the standard and terminates in the tooth edge M. Said teeth partially cover the slot J and engage the screw I, thereby holding the sight in any desired position. This spring-metal piece K being
60 only secured at one edge leaves the tooth edge loose and free to be backed out of engagement with the screw I. Means for doing this is provided by the raised thumb-piece N, secured to the metal strip K near the tooth
65 edge. The standard D being pivoted to the stock-plate B is free to be folded parallel with the stock when not in use. To hold it in the desired vertical position while using, a lug
70 O is provided on the stock-plate B, said lug engaging with the tongue P, which extends downward from the standard D and by which the standard is pivoted to the stock-plate. It is obvious that the notches formed between
75 the teeth M may represent any number of feet or yards, according to the range of the gun, a scale Q being used in close proximity to the notches.

From this description it will be seen that the operation of this gun-sight is very simple,
80 it being only necessary to pull back the notched edge of the spring-metal piece K sufficiently to raise or lower the screw I and then allowing it to spring back and again engaging the screw I, thereby holding the same in such
85 a rigid manner as to make it almost impossible for it to be dislodged by any ordinary shock or jar, as sometimes occurs in gun-sights when the adjustment depends upon the tightness of screws. It will also be seen from
90 the foregoing description that all parts can be quickly and cheaply made, and the fact of it not depending upon any screws or screw-threads makes it more durable as well as cheap.

Having thus fully described my invention, what I claim as new and useful is—

1. In a gun-sight, a hollow standard suitably secured to the firearm, a shank having the sight upon its upper end and adapted to
100 slide in the hollow of said standard, an extension from this shank through a longitudinal slot in the standard, and a series of spring-teeth engaging the outer end of said exten-

sion to hold the sight in any position, as specified.

2. In a gun-sight, a hollow standard suitably secured to the firearm, a sight having a
 5 shank extending downward therefrom, said shank adapted to slide vertically in the hollow of the standard, an extension from said shank through a longitudinal slot in the standard, a split tube of spring metal surrounding
 10 the standard, one edge formed by the split in said tube secured to the standard, and the other edge being loose having teeth adapted to engage the outer end of the extension on the shank of the sight, and means for disengaging the teeth from said extension, for the
 15 purpose of adjusting the sight, as specified.

3. The herein-described combination of a stock-plate B adapted to be secured to the

firearm A, a standard D pivotally secured to said stock-plate and adapted to be swung out 20 of position when not in use, to be stopped in its proper position by the lug O, a tube E fitting in said standard and adapted to receive the shank F of the sight H, a screw I secured in said shank passing through longitudinal 25 slots in both tube E and standard D, a split tube of spring metal having a toothed edge engaged by the screw, and a thumb-piece N for disengaging the teeth, as specified.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses. 30

SOLON A. BRAY.

Witnesses:

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