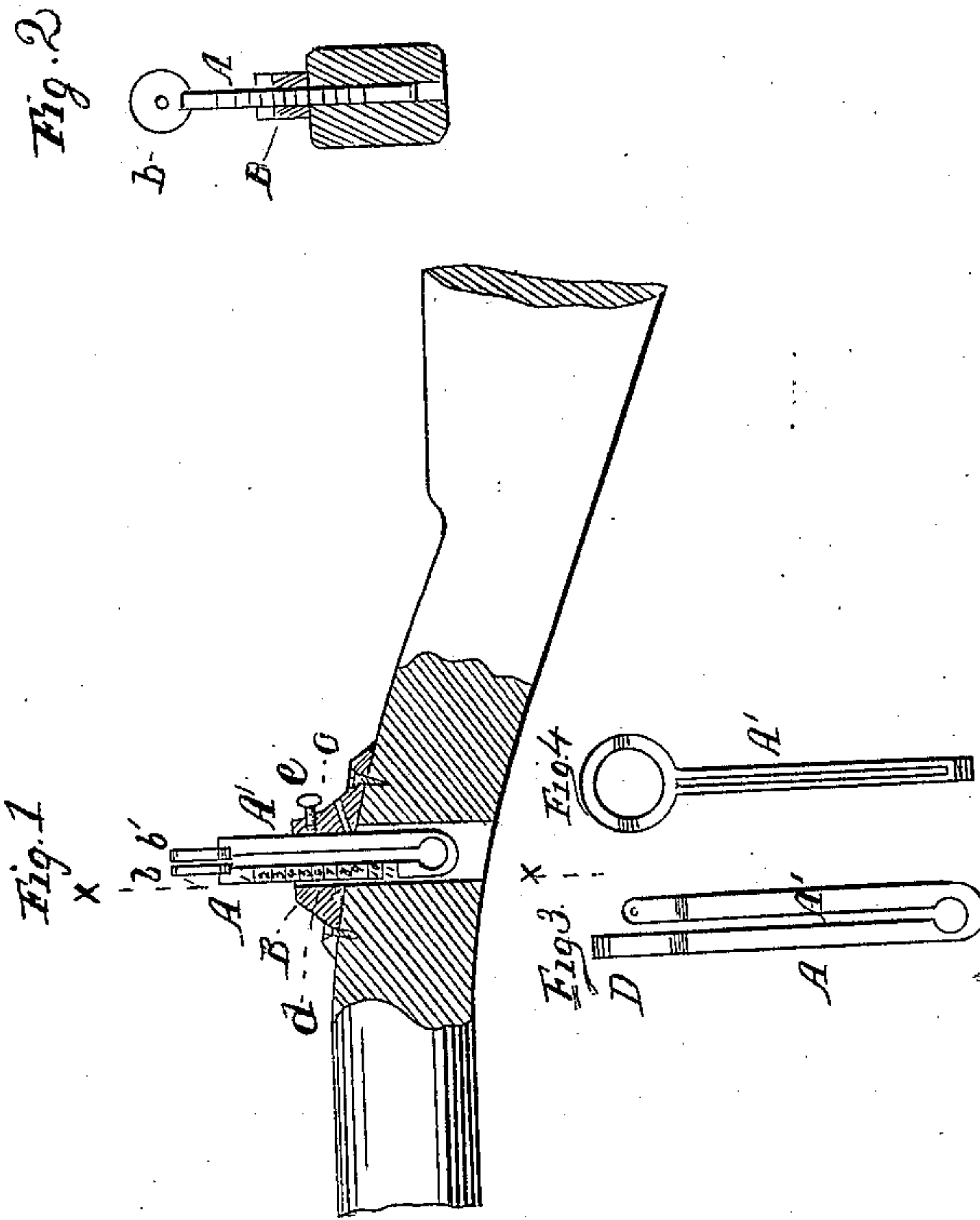


W. CONNER.  
Sight for Fire-arms.

No. 63,022.

Patented March 19, 1867.



Witnesses  
Geo. T. Welch  
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# United States Patent Office.

WILLISTON CONNER, OF RENSSELAERVILLE, NEW YORK.

Letters Patent No. 63,022, dated March 19, 1867.

## IMPROVEMENT IN BACK-SIGHT FOR FIRE-ARMS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLISTON CONNER, of Rensselaerville, in the county of Albany, and State of New York, have invented a new and useful Improvement in Sights for Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to construct an accurate sight, which can be quickly adjusted to any range, and which may be removed below the line of range of a fire-arm to which it may be attached so as not to obstruct the use of the intervening sights. With a slight modification the same device may be used for adjusting telescope sights on fire-arms.

The invention consists in the arrangement and construction of a sight which, when attached to a fire-arm, will, without the aid of screws or other fastening devices, remain in any position that it may have been adjusted to; but, if required, it can be made perfectly immovable by a set-screw.

In the annexed drawing my invention is fully illustrated.

Figure 1 represents a side elevation of a part of a fire-arm, to which my improved sight is attached, partly in section.

Figure 2 is a vertical cross-section of the same taken on a plane indicated by the line  $x x$ , fig. 1.

Figure 3 is a side view of my device when arranged so as to be connected with a telescope sight.

Figure 4 is a front view of the same.

Similar letters of reference indicate like parts.

Two metal bars, A and A', are joined at their lower ends by a spring, or they may, as shown in the drawing, be forged together at the bottom so that they are made of one piece, which has spring enough to force the upper ends of the bars A A' apart.

By means of this spring the two bars are always kept in any desired position within the guide-piece B.

A hole is bored through each of the two flat thumb-pieces  $b b'$ , which are secured to the upper ends of the bars A A'. This hole serves as a sight, and may be provided with crossed hair, if desired. The guide-piece B, which is either attached to or part of the metal on the breech part of the gun, is slotted so as to receive the bars A A'. A small screw or pin,  $c$ , in the guide-plate B, fits into a groove in the outer edge of the bar A'. On the opposite side is another small screw or pin,  $d$ , which engages notches in the edge of the bar A. A thumb-screw,  $e$ , fits also into the groove in the bar A', but it is not screwed in far enough to prevent the sight from being raised or lowered. The spring of the bars A A' presses the same against the three joints  $c d$  and  $e$ , and thus the sight is retained in position. By pressing the plates  $b$  and  $b'$  together the bar A A' is released so as to be readjusted.

By means of the thumb-screw  $e$  the sight can be fixed securely. A scale, arranged on the side or rear edge of the bar A', insures the easy adjustment of the sight.

When to be connected with a telescope, the bars A A' and the piece B are made exactly like the one before described, with the exception of a ring, D, which is fixed to the upper end of the bar A in place of the round plate  $b$ , and with the further exception of the two curved arms E attached to the upper end of the bar A', as seen in figs. 3 and 4. The telescope is hung on trunnions which are attached to its sides, and by which it is secured to the arms E; by the ring D it is held in place. The telescope is then adjusted in a manner similar to that before described.

This sight may be attached to fire-arms for hunting purposes or for field service; in fact, a fire-arm is by the use of this sight adapted to different purposes, as the ordinary open sight, the more accurate globe sight, and the telescope sight may be applied to a gun in succession or as may be required, thereby changing the character and effect of the arm.

I claim as new, and desire to secure by Letters Patent—

A spring-sight A A', guided in a metal plate, B, and constructed and operating substantially as and for the purpose herein shown and described.

WILLISTON CONNER.

Witnesses:

JAMES G. JARVIS,  
CHESTER COOK.