

(No Model.)

J. V. MOUNTFORD & W. G. KELSALL.

RIFLE SIGHT.

No. 282,658.

Patented Aug. 7, 1883.

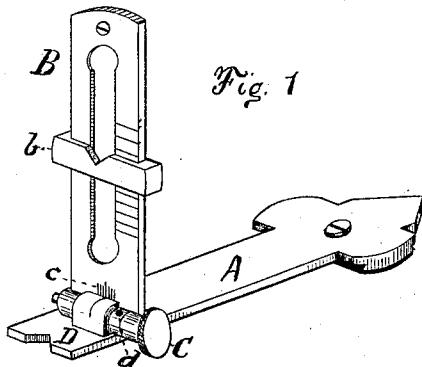


Fig. 2

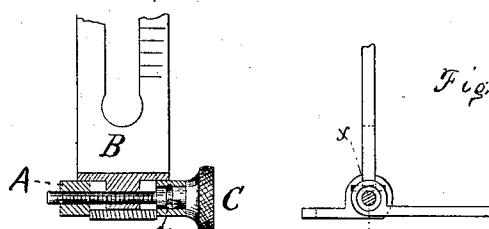


Fig. 3

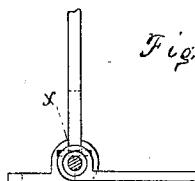


Fig. 4

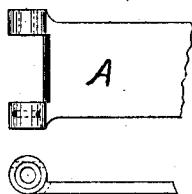


Fig. 5

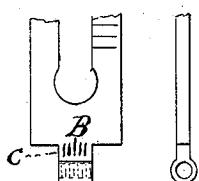
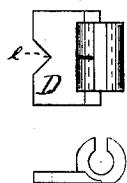


Fig. 6



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JAMES V. MOUNTFORD AND WILLIAM G. KELSALL, OF NEW HAVEN, CONN.

RIFLE-SIGHT.

SPECIFICATION forming part of Letters Patent No. 282,658, dated August 7, 1883.

Application filed May 23, 1883. (No model.)

To all whom it may concern:

Be it known that we, JAMES V. MOUNTFORD and WILLIAM G. KELSALL, citizens of the United States, residing at New Haven, in the county of New Haven, State of Connecticut, have invented new and useful Improvements in Rifle-Sights, of which the following is a specification, reference being made therein to the accompanying drawings, in which—

10 Figure 1 is a perspective view of a rifle-sight with our wind-gage attachment. Fig. 2 is a cross-section on line $x y$, Fig. 3. Fig. 3 is an end elevation of joint with adjusting-screw removed. Figs. 4, 5, and 6 are detached views.

15 Our invention relates more especially to the construction of the hinge-joint used in the manufacture of rifle-sights known as "leaf," "folding," or "rear" sights. Such sights have been made heretofore so as to confine the

20 line of sight to a fixed axis, unless changed by a wind-gage placed upon or near the muzzle of the rifle or gun; but by a new and novel arrangement of the several parts of a rifle-sight, more fully set forth hereinafter, we fur-

25 nish a leaf, folding, or rear sight which can be used as a wind-gage. The base, leaf, and elevator have been used before in the construction of rifle-sights, and therefore are not new; but we use them in combination with other

30 devices to develop our improved rifle-sight.

To enable others to make and use our improved sight, we will describe it in detail.

Similar letters of reference indicate corresponding parts.

35 A is the base, with slotted end.

B is the leaf, with tenon less in width than the slot in A. The tenon has a hole through it, with an internal thread, as shown by dotted lines in Fig. 5.

40 C is a screw with knurled head.

D is a block which is fitted closely into slot in A, also through which a channel is cut to correspond to end elevation of B, Fig. 5, and is a support to B.

45 a is an annular groove in C, more fully set forth hereinafter.

b is an elevator on B.

c are graduation-lines.

d is a pin.

e is a sight-notch in D, to be used as short-range sight when the leaf B is closed down upon the base A.

The construction, operation, and functions of the several devices constituting our improvement are as follows, viz: The detailed parts being placed in position, as shown in Figs. 1 and 2, it will be seen that upon moving the screw C, which is held in position in A by a small pin, d, passing through the annular groove a, as shown by broken lines in Fig. 4, B will be carried either to the right or left of the axis of the rifle-barrel, thus enabling the gunner to overcome the deflection of the ball caused by wind crossing the path of translation. By means of the graduation-lines c on B and center line on D the moving of B may be adjusted very accurately.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a gun-sight, the combination of the leaf-sight having a graduated base, and laterally adjustable upon the screw C, and the screw C, mounted in lugs upon the base-plate A, and longitudinally fixed, together with said base-plate and block D, for supporting the leaf-sight, all substantially as described.

2. In a gun-sight, the combination of the notched cross-bar b, and the slotted leaf B, having a graduated base, and laterally adjustable upon the screw C, the screw C being longitudinally fixed in the lugs of the base-plate A, together with the block D, for supporting the leaf B, all substantially as described.

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Witnesses:

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