

(No Model.)

W. W. HARRIS.
GUN SIGHT.

No. 468,803.

Patented Feb. 16, 1892.

Fig I-

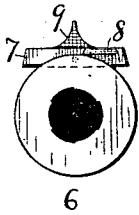


Fig II-

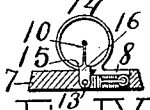


Fig IV-

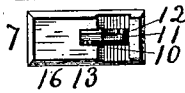


Fig V-

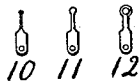
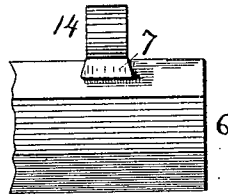


Fig III-



1511
7406

WITNESSES,
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INVENTOR,
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27

subscript

UNITED STATES PATENT OFFICE.

WILLIAM W. HARRIS, OF SIOUX CITY, IOWA, ASSIGNOR OF ONE-HALF TO
HENRY A. LYON, OF SAME PLACE.

GUN-SIGHT.

SPECIFICATION forming part of Letters Patent No. 468,803, dated February 16, 1892.

Application filed April 11, 1891. Serial No. 388,499. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. HARRIS, a citizen of the United States, residing at Sioux City, in the county of Woodbury and State of Iowa, have invented certain new and useful Improvements in Gun-Sights; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to the forward sights of guns, particularly of that class of guns known as "rifles," with which accuracy of aim is desired; and its object is to provide means whereby different styles of sights—such as the common V-shaped sights, a large pin-head sight, a small pin-head sight, a ring-sight, &c.—may be combined with a single sight-block, so as to be interchangeable in their use, any one being quickly and easily substituted for another without the aid of a screw-driver or any other special tool.

To this end my invention consists in the construction and combination of parts forming a "gun-sight," hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure I represents the muzzle of a rifle and my sight thereon, a common V-shaped sight in this instance being in position for service. Fig. II represents the main block of my sight in vertical section transverse to the line of sight, showing interchangeable pin-head and ring-sights and a shield therefor. Fig. III is a side view of the muzzle of a rifle and my sight in position for service thereon. Fig. IV is a view looking upon the top of the block showing the position of three different sights therein, one raised for service and two concealed. Fig. V represents three different styles of sights which may all be carried at once mechanically hung in the sight-block ready to be swung into position for service.

6 represents the muzzle of a rifle, which may be either round or many sided.

7 represents the main body portion or sight-block made dovetailing in longitudinal vertical section to fit closely into a dovetailed groove across the top of the rifle-barrel, as usual, as shown in Fig. III. This block is longitudinally grooved at one side of its cen-

ter on top to receive the dovetailed slide portion 8 of the common hunting V-shaped sight 9, which is driven tightly therein.

10, 11, and 12 represent separate sights which are let into a slot in the body 7, as shown in Figs. II and IV, and hung therein upon a pivot-pin 13, so that either sight may be swung upward into position for service, as shown by the sight 10, Fig. II.

14 is a tubular shield provided with a slide 8 to fit into the body 7 in the same manner that the slide 8 of the sight 9 does, and it is slotted longitudinally through the under side at 15 to permit it to be slid into position over a sight. The body portion 16 of the sights 10, 11, and 12 is proportioned to fit neatly between the sides of the slot 15, so that the sight will be held rigidly in position and cannot waver from side to side in service. The parts are so adapted that this same width of body 16 will just fit between the under side of the body 8 and the bottom of the slot in the rifle-barrel, thus securing them from any looseness or rattling while in their normal position of concealment.

The V-shaped edge of the common hunting-sight 9, the fine pin-head sight 10, the coarse pin-head sight 11, and the ring or peep sight 12 each occupies exactly the same position relative to the block 7 when in service. The V-sight 9 may be removed, the desired sight 10, 11, or 12 may be raised into position, and the shield 14 may be placed over it in the block 7 all in a moment's time without endangering the accuracy of the next shot. The only portion to be separated from the barrel and to be taken charge of while not in service is either the sight 9 or the shield 14.

When the sight 9 is in service, the sights 10, 11, and 12 are all closed down, as in Fig. IV, and concealed; but when the shield 14 is in service either one of the sights 10, 11, or 12 may be in position for service, and the others may be concealed and safely shielded beneath the body 8, as in Fig. II.

It is evident that the sights 10, 11, and 12 may be added to or diminished in numbers, and that any desired form may be given to either of them without departing from the spirit of my invention.

The parts 9 and 14, each provided with a

slide 8, are interchangeable, and it is evident that other parts might be provided with similar slides 8.

Having thus fully described my invention, what I believe to be new, and desire to secure by Letters Patent, is the following:

1. The combination, in gun-sights, of a block fitted to enter a transverse groove in a gun-barrel and dovetail-grooved longitudinally and parts provided with slides interchangeably fitted to the said longitudinal groove, substantially as described.

2. The combination of a gun-sight block fitted to enter a transverse groove in a gun-barrel and longitudinally grooved and vertically slotted, one or more sights pivotally hung in the said slot, and a shield adapted to cover the sight when raised and having a slide fitted to the said longitudinal groove, substantially as described.

3. The combination of a series of sights pivotally hung in a gun-sight block to swing transversely to the line of sight, and a shield adapted to protect one of the sights when raised and provided with a slide to fit a groove in the said sight-block, the shield being longitudinally slotted, and the sight bodies proportioned to fit the said slot when in a vertical position, substantially as described.

4. The combination of a series of sights pivotally hung in a gun-sight block, and a shield removably fitted to the said block, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM W. HARRIS.

Witnesses:

GEO. M. HOKE,
GEORGE M. LYON.