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F. C. CHADWICK.
SIGHT FOR FIREARMS.
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1,018,876.

Patented Feb. 27, 1912.

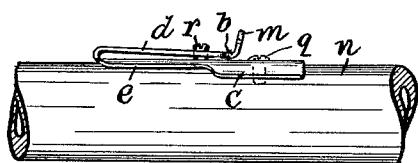


Fig. 1.

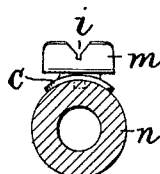


Fig. 3.

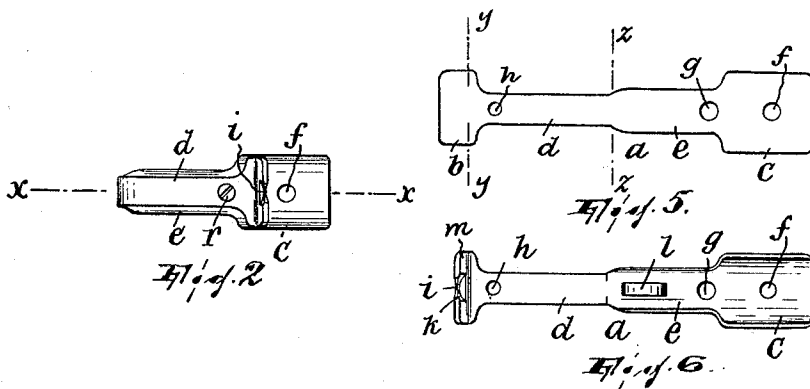


Fig. 2.

Fig. 5.

Fig. 6.

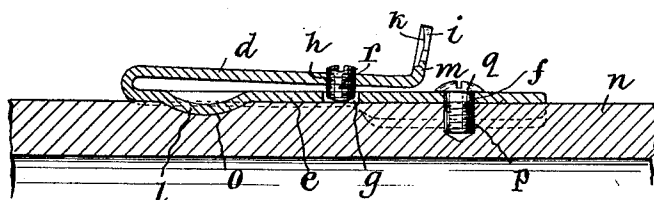


Fig. 4.

WITNESSES

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UNITED STATES PATENT OFFICE.

FRANCIS C. CHADWICK, OF UTICA, NEW YORK, ASSIGNOR TO SAVAGE ARMS COMPANY,
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SIGHT FOR FIREARMS.

1,018,876.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANCIS C. CHADWICK, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Sights for Firearms, of which the following is a specification.

My present invention relates to sights for fire-arms, and particularly to sights having spring-adjustment, and it consists in certain improvements in such devices having for their principal objects to simplify the construction, reduce the cost of manufacture, insure the secure mounting of the sight in place and make the device more compact and form less of a projection on the arm than is usually the case, while preserving the qualities of full efficiency and reliability.

I have fully illustrated my invention in the accompanying drawing, wherein,

Figure 1 is a side elevation, showing the sight in place on the barrel of the arm; Fig. 2 is a plan view of the sight; Fig. 3 is an end elevation, showing the sight in place on the barrel of the arm and the barrel in section; Fig. 4 is a sectional view of the barrel and sight on line $x-x$, Fig. 2; and Figs. 5 and 6 are a plan and underneath plan showing the sight at two stages in the process of forming the same.

To form the sight, the strip a (Fig. 5) is first made from a piece of elastic sheet-steel, the same having the rectangular portion b and the larger rectangular portion c joined by the neck d , which is slightly enlarged or widened at e ; in the portion c and in the neck near the portion c are formed the holes f and g , respectively, and in the narrower part d of the neck, near the portion b , is formed the tapped hole h . In the end-edge of the portion b is formed a V-shaped notch i , the part of the metal including said notch being preferably thinned, as at k (Fig. 6) by the pressing action of a suitable die; and in the widened part of the neck near the part d thereof an elongated lug l , extending longitudinally of the blank, is formed by a suitable die brought to bear to press down a part of the metal. Further, the strip is bent on the dotted transverse line $y-y$, Fig. 5, so that the extremity m of the portion b projects downwardly almost at an angle of 90° . Moreover, the whole of that part of the strip to the right of the

dotted line $z-z$ in Fig. 5 is made to have the form of a part-cylinder, being arched in end-elevation (Fig. 3). The strip, thus formed, is bent back on itself on approximately the line $z-z$ so that the bent-down part n now projects upwardly (Figs. 1-4). The bend produced is preferably an open one as seen in side elevation so that the two end-portions of the strip form, in effect, a loop, the upper end-portion inclining rearwardly until its rear end contacts with the lower end-portion (Fig. 1); this construction is preferred because it insures the upper end-portion turning on a fulcrum at the bend rather than flexing or bending when adjusted.

The barrel n of the arm has on its top surface a recess o shaped to receive and closely fit the lug l and it also has a tapped hole p which will coincide with the hole f when the sight is placed on the arm as shown in Figs. 1 and 3, in which position it is secured by the screw q passed through the hole f in the sight into the hole p of the barrel. Being held down by the screw q , the sight is held against longitudinal as well as sidewise movement on the barrel by the engagement of the lug l in the recess o and being arched as to that part thereof which directly rests on the barrel it hugs closely to the same.

A screw r is fitted into the tapped hole h and, passing freely through the hole g , bears on the barrel. By adjusting this screw the end-portion of the sight having the sight-notch i may be set at any desired elevation, the spring action of the end-portion of the strip having the sight-notch serving to prevent the screw turning and changing the adjustment.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In combination, with the fire-arm, a sight secured thereon and consisting of an elastic strip having one end-portion fixed to the arm and the other end-portion bent back over the first end-portion and provided with a sight-notch, and means for adjusting the second end-portion up and down, substantially as described.

2. In combination, with the fire-arm, a sight secured thereon and consisting of an elastic strip having one end-portion fixed to the arm and the other end-portion bent back over the first end-portion and provided

with a sight-notch, and a vertical adjusting screw tapped into the second end-portion, substantially as described.

3. In combination, with the fire-arm, a
5 sight secured thereon and consisting of an elastic strip having one end-portion fixed to the arm and its other end-portion bent back over the first end-portion and having its extremity bent up and formed with a
10 sight-notch and means for adjusting the second end-portion up and down, substantially as described.

4. In combination, with the fire-arm, a
15 sight secured thereon and consisting of an elastic strip having one end-portion fixed to the arm and its other end-portion adjustable vertically and having a sight-notch, and means for adjusting said other end-portion,

the first end-portion and the arm having the one a lug and the other a recess fitting
20 each other, substantially as described.

5. In combination, with the fire-arm, a sight secured thereon and consisting of an elastic strip having one end-portion transversely arched and fitting over and fixed to
25 the arm and its other end-portion bent over the first end-portion and provided with a sight-notch, and means for adjusting the second end-portion up and down, substantially as described.
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In testimony whereof I affix my signature in presence of two witnesses.

FRANCIS C. CHADWICK.

Witnesses:

J. A. DAVIS,

JOSEPH G. SLIKER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."