

(No Model.)

F. J. RABBETH.

REAR SIGHT FOR FIRE ARMS.

No. 308,699.

Patented Dec. 2, 1884.

Fig. 1.

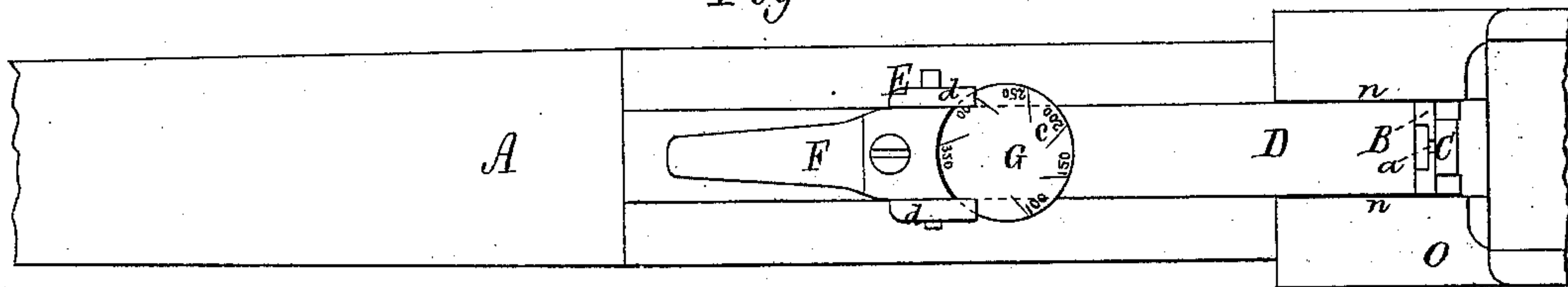


Fig. 2.

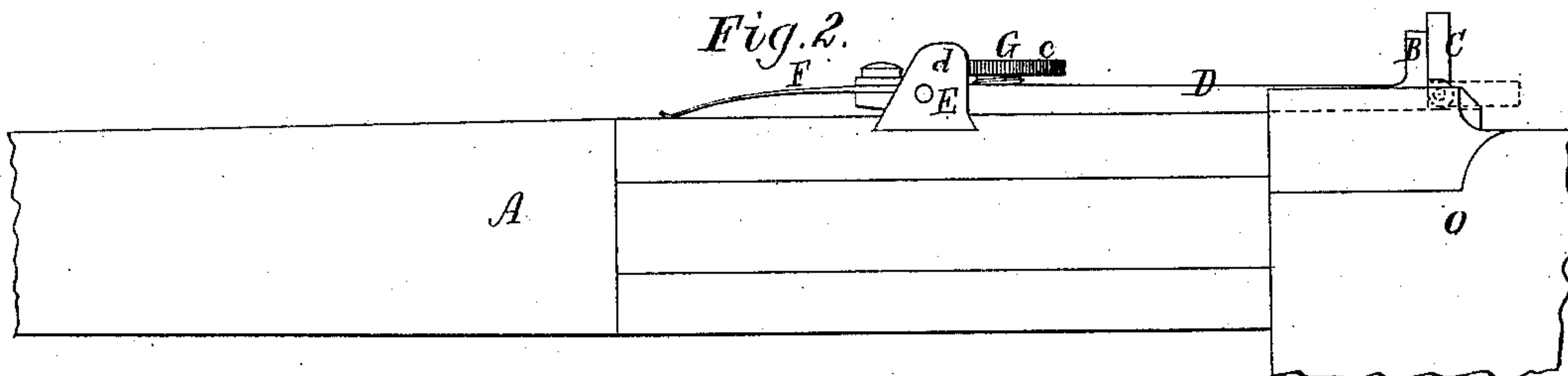


Fig. 3.

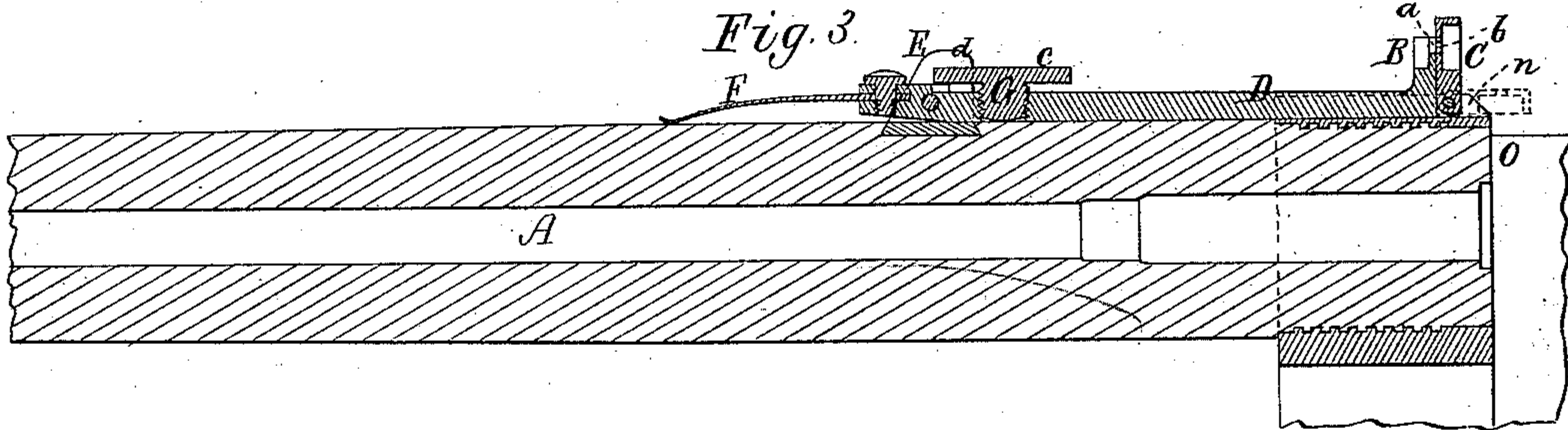


Fig. 5.

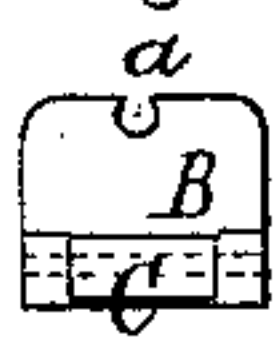


Fig. 6.

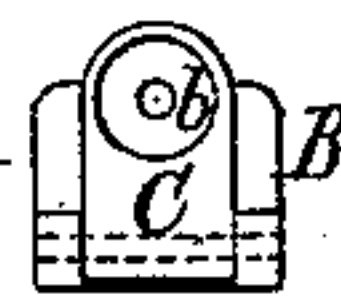
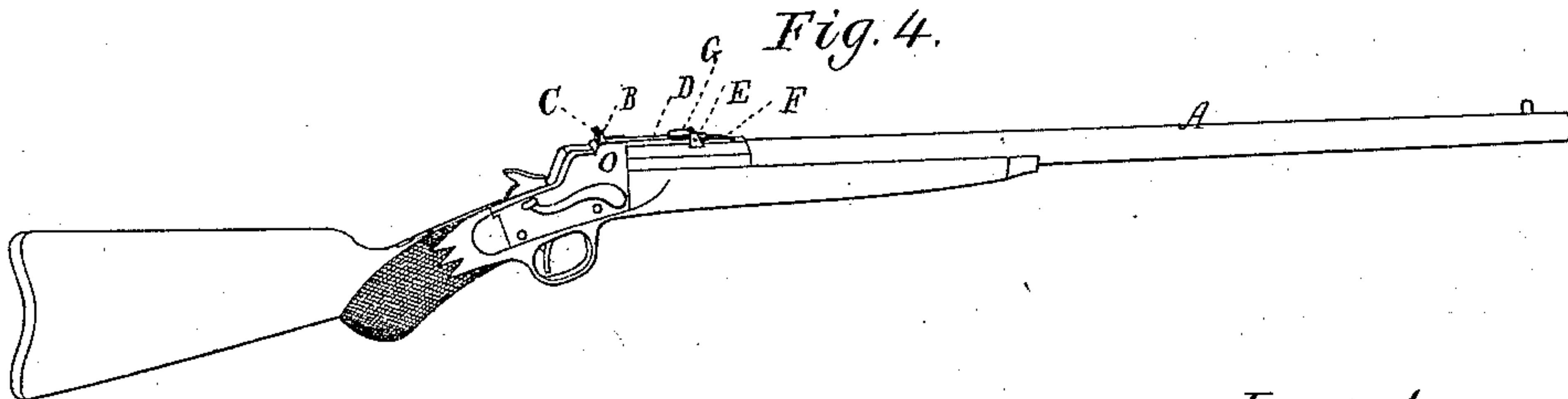


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

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REAR SIGHT FOR FIRE-ARMS.

SPECIFICATION forming part of Letters Patent No. 308,699, dated December 2, 1884.

Application filed August 11, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS J. RABBETH, of Boston, in the county of Suffolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Mechanism for Adjusting the Rear Sight of a Gun or Fire-Arm; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a longitudinal section, of a sight-adjusting mechanism of my invention as applied to the barrel of a fire-arm, a side view of such fire-arm being shown in Fig. 4, the said mechanism in the said Figs. 1, 2, and 3 being exhibited full size. Fig. 5 is a rear elevation of the notched sight, while Fig. 6 is a similar view of the "peep-sight" as applied to the carrier or lever, to be described.

The nature of my invention is defined in the claims hereinafter presented.

In the said Figs. 1, 2, and 3 the fire-arm barrel is represented at A, and the rear or back sight at B, the latter being shown as permanently fixed to and extending upward from a carrier or lever, D, near the rear end thereof, such sight being what is termed a "notched sight," as it is furnished with a notch, *a*, for the eye to see through. There is hinged to the carrier at its rear end what is termed a "peep-sight," C, it being hinged or so connected to the lever or carrier as to be capable of being turned from a horizontal up into an upright position, and downward from the latter, as occasion may require. This peep-sight has a hole, *b*, for the eye to look through. When "turned up" the peep-sight abuts against the notched sight. The said lever is fulcrumed to the fire-arm, or a suitable projection or chair, E, fixed to the top of the barrel thereof, a spring, F, being attached to the lever at its front end, and extended therefrom, and bearing on the said fire-arm or barrel.

Instead of being applied to the barrel, the lever may be arranged over and suitably connected with the stock; but it is preferable to have it on the barrel.

Screwed into and through the lever, just in rear of the chair, is a screw, G, provided with a dial or suitable head, *c*, which extends into notches in the uprights or ears *d d* of the chair,

such screw at its foot or lower end bearing against the barrel. From the above it will be seen that the screw is not movable to any material extent, except in being revoluble on its axis with its "dial-head." This dial-head (shown at *c*) has divisions and figures on its upper surface to indicate the altitude to be given to the sight, as the distance of an object to be shot at from the shooter may require. In some cases I apply to the head of the adjusting-screw one or more separate plates or disks, having suitable divisions or marks for indicating the extent of revoluble movement of the screw for the adjustment of the sight for different distances of objects to be shot at, such dial or dials or marked disk or disks being fixed in place on or in the screw-head by a clamp-screw or other suitable means. By revolving the dial-headed screw so as to bring any one of its divisional marks against one of the ears *d* of the chair the sight will be at the proper altitude for the distance whose indicating-figures are at such mark. The spring serves to steady the lever, as well as to aid in moving it one way. At its rear part the lever D extends into a recess or notch, *n*, in the barrel or lock supporting frame *o*, such notch having a width equal to that of the lever, and serving to guide it in its vertical movements and prevent it from swaying laterally.

I claim—

1. The lever or carrier having the notched or peep sight and fulcrumed to the fire-arm or a projection therefrom, and provided with the spring and a suitable or dial-headed adjusting-screw, the whole being arranged substantially and for the purpose as set forth.

2. The lever provided at its rear part with the fixed notched sight and the hinged peep-sight, and fulcrumed to the fire-arm or a projection therefrom, and also provided at its front part with a spring and in the longer arm with a suitable or dial-headed adjusting-screw for varying the altitude of the sights, all being substantially as set forth.

3. The lever provided with a sight at one end and fulcrumed to the fire-arm or a projection therefrom, and having a spring and a dial-headed screw to move it (the said lever) in manner as described, such dial-headed screw being substantially immovable, except in being revoluble on its axis, as set forth.

4. The combination of the sight and its supporting lever or carrier with an adjusting-screw provided with a head limb or dial to revolve with it, (the said screw,) and adapted to
5 the lever and its fulcrum-support, so as when revolved to move the lever in manner to vary the altitude of the sight, all being substantially as set forth.

5. The sight-carrying lever D, fulcrumed

to the fire-arm, and provided, as described, 10 with the spring and adjusting-screw, and supported at its rear part from lateral sway by a suitable guide or notch, all being essentially as set forth.

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Witnesses:

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