

W. KÖNIG.
METHOD OF ADJUSTING THE SIGHTS OF GUNS.
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1,048,975.

Patented Dec. 31, 1912.

Fig. 1.

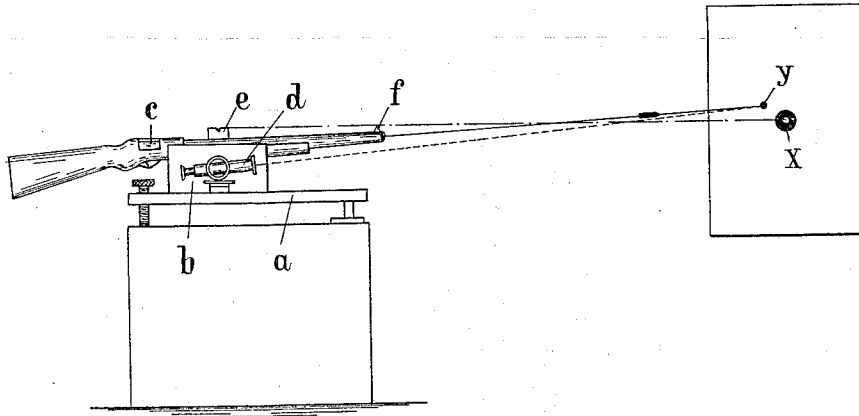
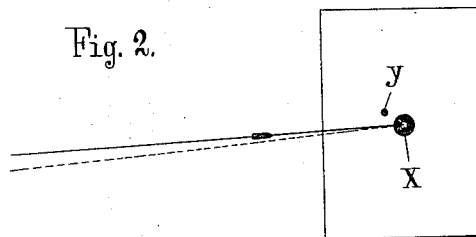


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILHELM KÖNIG, OF BRUNSWICK, GERMANY.

METHOD OF ADJUSTING THE SIGHTS OF GUNS.

1,048,975.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed October 29, 1912. Serial No. 728,447.

To all whom it may concern:

Be it known that I, WILHELM KÖNIG, engineer, citizen of the Duchy of Brunswick, Empire of Germany, residing at Brunswick, Germany, have invented certain new and useful Improvements in Methods of Adjusting the Sights of Guns, of which the following is a specification.

My invention relates to improvements in a method of adjusting the sights of guns. Heretofore the sights of firearms have been adjusted by first exactly setting the sights on the weapon to a mark and then discharging the firearm whereupon the fore and back sights are readjusted to an amount depending on the deviation ascertained after the target card has been examined. It is therefore usually necessary to test the sighting device by firing repeated shots and it must be corrected a number of times before the line of sight coincides with the trajectory of the bullet.

The object of the improvements is to provide a method of adjusting the sights of guns which is simple and reliable in its use.

With this object in view my invention consists in providing an auxiliary telescope which is sighted to a spot on a target card hit by a firearm which was aimed at the "bull's-eye" on the card. The telescope is then displaced in common with the firearm until it sights the bull's-eye on the card whereupon the sights of the firearm are so altered, that their line of sight also passes through the bull's-eye or other fixed mark.

For the purpose of explaining the invention an example of a shooting stand which is adapted to carry my improved method out is shown in the accompanying drawing, in which the same letters of reference have been used in all the views to indicate corresponding parts.

In said drawing: Figure 1 shows the stand and a diagram of the first position of the telescope; Fig. 2 shows a diagram illustrating the sighting when the telescope has been displaced together with the gun.

The shooting stand consists of an adjustable bed plate *a* on which the support *b* for the firearm *c* is arranged. An auxiliary

telescope *d* with cross hairs or the like is mounted on the bed plate *a*, but may also be arranged on the firearm itself. The telescope *d* may be adjusted independently of the firearm to any suitable point and fixed in any position.

When the sights of a firearm are to be adjusted by means of this apparatus the weapon *c* is aimed at the bull's eye or like fixed mark *x*, Fig. 1, and a shot is fired. Should the adjusting frame *a b* have been displaced, it is first brought back to the former position. The auxiliary telescope *d* is then directed to the place *y* where the bullet has struck, and fixed in this position. The bed plate *a* together with the firearm *c* and telescope *d* is then displaced until the telescope *d* sights the mark *x* (Fig. 2). By this means of course the firearm *c* is also displaced so far that the trajectory of the shot discharged from the weapon exactly coincides with the mark *x*. If the sights, namely the back sight *e* and fore sight *f* of the firearm *c* be then adjusted, so that the line of sight also passes through the mark *x*, the firearm is exactly adjusted.

My improved method may be employed for the wholesale adjustment of firearms. Shooting target cards may also be used which have been made at another place. For this it is necessary to adjust the firearm which is to be adjusted to the fixed mark and the telescope to the diagram of the shots. In the case of a number of shots the telescope is directed to their virtual center.

While in describing the invention reference has been made to a particular embodiment thereof and to apparatus which in my opinion serve the purpose best, I wish it to be understood, that my invention is not limited to the steps of the method and the apparatus described, and that various changes may be made within the gist of my invention.

I claim:

The herein described method of adjusting the sights of a gun, which consists in aiming the gun at the bull's-eye of a target, firing the gun, directing a telescope at the point of impact made by the bullet when

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the gun is fired, then setting the telescope
and therewith the gun to a position wherein
the telescope is directed at the bull's eye
and then adjusting the sights while the gun
5 remains in the position to which it has been
moved with the telescope, so that the line
of sight is directed to said bull's-eye.

In testimony whereof I have hereunto
set my hand in presence of two subscribing
witnesses.

WILHELM KÖNIG.

Witnesses:

WILHELM LEHRKE,
KARL MUNDT.

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