H. L. WELCH.

PISTOL.

APPLICATION FILED OCT. 31, 1918.

1,340,127. **Patented May 11, 1920.**

Fig. 1.

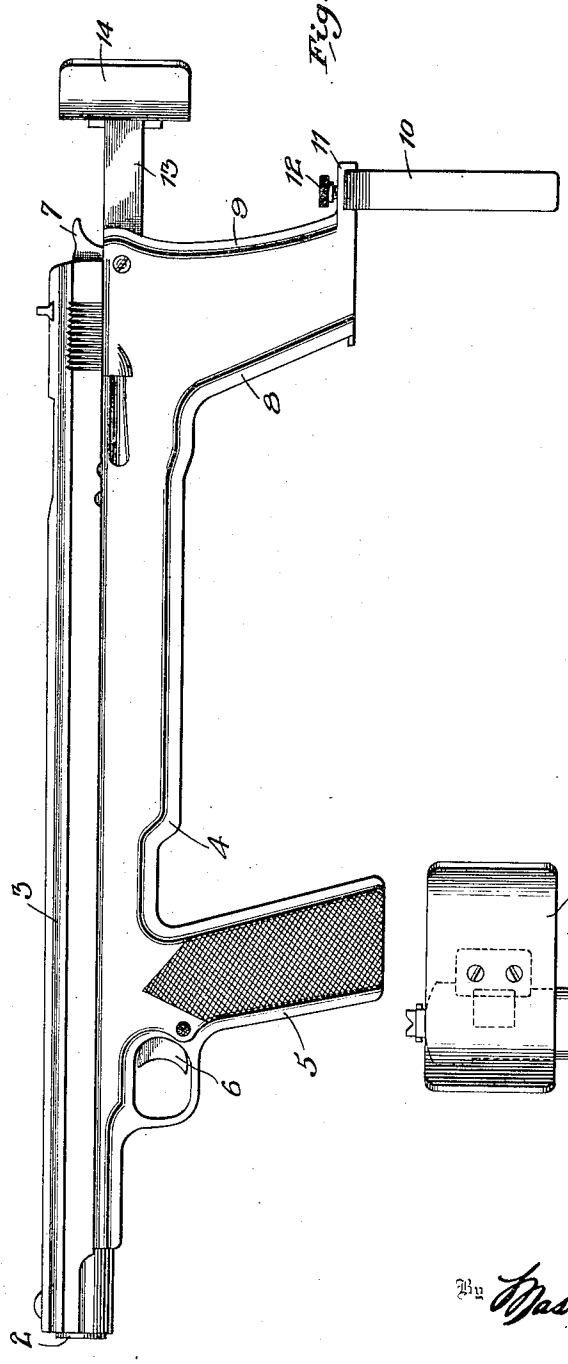
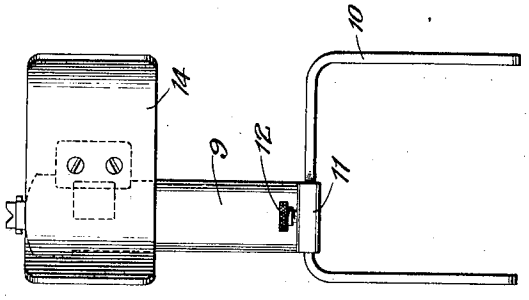


Fig. 2.



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PISTOL.

1,340,127. Specification of Letters Patent. Patented May 11, 1920.

Application filed October 31, 1918. Serial No. 260,540.

To all whom it may concern:

Be it known that I, HERMAN L. WELCH, a citizen of the United States, residing at El Centro, in the county of Imperial and State of California, have invented certain new and useful Improvements in Pistols; 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 fire arms and particularly to small arms such as revolvers and pistols.

It is one of the objects of the present invention to improve the construction of fire arms such as rifles, pistols and revolvers so as to enable them to be more quickly and reliably aimed and also so as to eliminate the usual excessive kicking or rebounding action of the arm when fired and to prevent the transmission to the fire arm, especially such as pistols and revolvers, of tremors generating in the hand.

It is another object of the invention to design a fire arm of the hand type so that considerable of the strain of the reaction is removed from the wrist and the hand muscles and transferred to the stronger portion of the fore arm so that the marksman can continue firing for a greater period with less fatigue and also with greater accuracy both because of the elimination of the strain from the wrist and hand and by the increment in the readiness and accuracy with which the gun may be sighted.

With these and other objects in view as will be clearly manifest to those expert in the art the invention consists in the construction, the combination, and in details and arrangements of parts as more particularly described hereinafter relative to the embodiment of the invention illustrated in the accompanying drawings, in which,

Figure 1 is a side elevation of a form of automatic pistol involving the present improvement, and

Fig. 2 is a rear end view of the same.

While the improvements are herein disclosed as incorporated in a pistol of the automatic type it is to be understood that the principal features of my invention can be incorporated with rifles, revolvers, and hunters' small arms, whether automatic in action or not.

The pistol is shown as having a barrel 2 mounted in a slide 3 both suitably mounted in respect to a casing 4 consisting of an elongated frame or shell at the front end of which there is provided a stock or grip 5 upon which, or in juxtaposition to which, there is provided a firing trigger 6, which is provided with suitable firing and control connections relative to the hammer 7 for striking the usual firing pin which is not here shown. At the rear end of the casing 4 upon which the firing mechanism is mounted, there is provided a suitable form of magazine 8 extending downwardly from the casing and adjacent to which the casing is provided with a downwardly extending portion 9 having formed on or attached thereto means to embrace the fore-arm adjacent to the elbow. This means is shown as comprising in the present case an inverted U-shaped yoke or brace member 10 slidable transversely to the pistol in a guide-way or mounting 11, in which it may be secured by a screw or other fastening device 12. Beyond the firing mechanism at the rear end of the casing 4, there is an extension 13 having an abutment piece 14 which is placed sufficiently in the rear of the slide of the pistol to enable the sliding mechanism to move rearwardly over the hammer 7 in the usual action without engaging the abutment seat 14.

From the above it will be seen that I have designed and provided a pistol or other small fire arm the stock or grip of which is arranged intermediately between the length of the barrel as to the nozzle or muzzle thereof and the magazine and firing mechanism of the arm so that when the marksman grasps the grip or stock 5 and desires to fire the arm the aiming thereof is facilitated by bringing the arm with the pistol to the desired elevation with the arm-embracing member 10 straddling the arm adjacent to the elbow so that the rear or the heavier end of the pistol or fire arm is supported mainly by the forearm of the marksman. By this construction all tremors due to nervousness or the shaking of the wrist or arm of the marksman are practically prevented from being transmitted to the firing piece and this is held more steadily by reason of its positive connection to the forearm of the marksman through means of the embracing member or brace 10. Therefore not only is the arm more steadily held in firing but the strain of the reaction is

removed from the hand of the marksman to a very considerable degree, so that he can fire for a longer period without fatigue. Moreover this combination of a rearward support at one end of the firearm and the front grip enables the more perfect sighting of the arm when in use by the simple raising of the forearm to the desired elevation and the alinement of the barrel of the gun with the target. To adapt the instrument to be used readily on either arm the brace or bracket member 10 is transversely adjustable with respect to the fire arm so that the pistol when in use is sighted along the inside of either the left or right arm, the bracket member 10 being adjusted correspondingly thereto when the marksman is right handed or left handed or because of necessity he has to use one or the other.

When firing from the hip the abutment portion or seat 14 is brought against the biceps of the limb and the reaction of the pistol in use is in this way also relieved from the grip or hand and it is possible to hold the fire arm more steadily than it can be held by the outstretched arm.

What I desire to claim is:

1. A pistol having a barrel the loading end of which has a downwardly extending forearm-engaging means, and a grip below and adjacent to the muzzle end of the barrel, the said means comprising a member adapted to straddle the forearm near the elbow for the purpose of facilitating the sighting of the pistol and enabling the steady holding thereof against recoil.

2. A pistol having a barrel the loading end of which has a downwardly extending forearm-engaging means, and a grip below and adjacent to the muzzle end of the barrel, said means including an inverted U-shaped member to straddle the arm near the elbow and being adjustable transversely of the pistol to enable use of the pistol on either arm along the inside line of which the pistol lies or is sighted.

3. A pistol having a barrel the loading end of which has a downwardly extending forearm-engaging means, a grip below and adjacent to the muzzle end of the barrel, and an abutment piece at the rear end of the pistol to bear against the biceps of the marksman's arm when firing from the hip.

In testimony whereof I affix my signature.

HERMAN L. WELCH.