A gas expelling pistol having a reversible butt end movable between a first or extended position wherein the pistol may be used as a long arm that is placed against the shoulder of the user, and a second position wherein the pistol may be used as a short arm.

2 Claims, 4 Drawing Figures
GAS-EXPPELLING PISTOLS

BACKGROUND OF THE INVENTION

Numerous types of gas expelling pistols are known that in reality are not actually pistols but rather are long arms because of the substantial recoil motion that is experienced upon firing. Such pistols have been provided with an extension which also is provided with a butt end as is known in rifles. This extension increased the length of the gun but was burdensome in transportation and was also difficult to hide. Some prior devices have incorporated a butt end for a pistol that recoils by providing the pistol with a small rod that is attached to the case, such as in the recoil butt end that was attached to one of the sides of the Bataan type gun, or in the displaceable guns that recoil by a coaxial movement as in the case of the automatic Pan machine-guns. However, these solutions have not given the practical results as the gas-expelling pistol embodied in the present invention.

SUMMARY OF THE INVENTION

The novelty of the present invention resides in the fact that a butt end is placed at the extreme end of two small rods that are substantially parallel to each other and that are articulated at the other extreme end to the case of the gun, so that the butt end is in such a position that its free end can be inserted around the front end of the barrel of the pistol. In this manner, when the small rods are in the extended position, the pistol has the characteristic of the known gas-expelling pistols since it can be placed upon a shoulder and in this instance is similar to a rifle; while, on the other hand, when said small rods are not extended, the length of the arm is sufficiently short so that it could be easily placed in a portfolio of the type that would carry legal-size papers. Such characteristics notwithstanding, the gas-expelling pistol according to the present invention as provided with the movable small rods is always in condition to fire, and the butt end that surrounds the barrel also serves as a secondary handle that can be held with the hand that does not hold the conventional hilt.

Accordingly, it is an object of the present invention to provide an improvement in a gas-expelling pistol of the type that includes a barrel, to the case of which is articulated a hilt, a trigger being protected by a guard of the gunlock and two small, substantially parallel rods being attached to said case. These two small rods extend into less-separated portions, the ends of which converge into an end of the resilient hilt. The other end of said hilt is bifurcated and reinforced with curved metallic small rods. The bifurcations are insertable around the front end of the barrel when the small rods are reversed. Retainers are fixed to both sides of the rear end of said case which retain the small rods when they are located in the reverse position.

Other objects, features and advantages of the invention will become apparent as the description thereof proceeds when considered in connection with the accompanying illustrative drawings.

DESCRIPTION OF THE DRAWING

In the attached drawings, where like reference numbers correspond to equal parts:

FIG. 1 is an elevational view of the gas-expelling pistol in accordance with the present invention, with the small rods extended so that the hilt is located at the forward end of the barrel;

FIG. 2 is a front elevational view of the pistol shown in FIG. 1 wherein the hilt-reinforcing small rods are shown in dotted lines;

FIG. 3 is a bottom plan view of a portion of the pistol shown in FIG. 1; and

FIG. 4 is an elevational view of the pistol showing small rods in the rearwardly extending position wherein the pistol is usable as a rifle.

DESCRIPTION OF THE INVENTION

The pistol has a case 1, to which a barrel 2 is attached by means of a screw 3, and other fastening devices which are conventional in this type of arms and which will not be described in detail since they are well known in the art. Pivotedly connected to the case 1, by means of screws 7, are two small rods 4 that are substantially parallel, although the extreme ends 4' through which the screws 7 pass are slightly more separated than the opposite ends 4''. The ends 4' are joined to the rods at substantially right angles, and they are enveloped in a resilient material which forms the butt end 5 of the attachment. The butt end 5 is formed such that it serves as a support to be placed against the user's shoulder (FIG. 4) or as a secondary handle or hilt (FIG. 1), depending on whether the small rods 4 are either extended or reversed. The butt end 5 includes an end that is located opposite to the end through which the ends 4'' of small rods 4 extend. This end of butt end 5 comprises two bifurcations 5' reinforced by small rods 5''; and when these elements are placed in the manner as illustrated in FIG. 2, they permit the front end of barrel 2 to be received between the bifurcations 5'', thus holding it firmly in place.

In the rear part of case 1, in other words, on the opposite side of the gunlock guard 8 that surrounds the trigger 9 and attached to the screws 7 on both sides of the case 1, are retainer elements 6. Each of the retainer elements 6, of the well-known type, is formed in the central part thereof with a slight depression 6' in which a small rod 4 is located when the small rods are reversely extended in the manner illustrated in FIG. 4.

OPERATION

When the gas-expelling pistol of the present invention must be transported, especially when it is desired to conceal it or at least not have it too visible, the small rods 4 are moved in the manner illustrated in FIGS. 1, 2 and 3. Even under such conditions, the gas-expelling pistol can be fired immediately, since it is only necessary to hold the hilt 10 with one hand, and to hold the butt end 5 with the other hand. Under such conditions, the butt end 5 serves as a secondary support and could even be placed on a fixed object. The gas-expelling pistol in this position fits perfectly in a portfolio capable of carrying legal-size papers, and it is even possible to carry the pistol under a jacket and thus is practically imperceptible.

When it is desired to use the gas expelling pistol in accordance with the present invention, in the accustomed way, it is only necessary to release the butt end 5 from the front end of the barrel 2 and rotate the small rods 4 around the respective screws 7 in a counterclockwise direction, thus placing them in the position illustrated in FIG. 4. When this operation is accomplished, the small rods 4 will fit in the depressions 6'
which are located in the retainer elements 6. The small rods 4 will be sufficiently fixed in their extended position in order that the gun functions as a rifle, or, in other words, so that the gun can be rested against the user's shoulder by means of the butt end 5.

Naturally, numerous detailed modifications could be introduced in the realization example which has been described and illustrated above. Such modifications could comprise the form and dimension of the small rods 4; the replacement of the retainer elements 6 for other equivalents or to give the butt end 5 a different form than the one illustrated. All such modifications will remain within the scope of this invention in the manner said invention is determined in the following claims.

1 claim:

1. A gas-expelling pistol comprising a case, a barrel attached to said case at the forward end and a hilt secured to said case at the rear end, said case including a trigger protected by a guard, the improvement comprising a pair of elongated parallel rods, to one end of which a butt end is attached, the other ends of said rods being pivotally secured to said case, said butt end engaging said barrel in one position of said rods, wherein the butt end defines a forward handle for said pistol, said rods being reversely rotatable to locate said butt end rearwardly of said hilt, wherein said butt end is used as a shoulder rest when the pistol is fired, and retainer elements secured to the sides of said case and receiving said rods therein for retaining said rods in the reverse position thereof, said butt end being formed of a resilient material and receiving ends of said rods therein that are bent at right angles.

2. A gas-expelling pistol as set forth in claim 1, reinforcing elements located in said resilient butt end and a depression formed in said butt end for receiving the end of the barrel therein when the rods are located in the forward position thereof.

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