No. 626,472. Patented June 6, 1899.

J. C. WHITE.

COMBINED PISTOL AND KNIFE.

(Application filed Mar. 26, 1898.)

(No Model.)

Fig. 1.

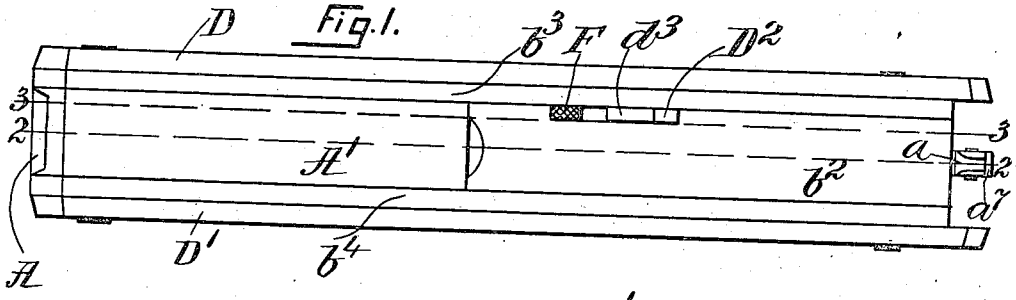


Fig. 2.

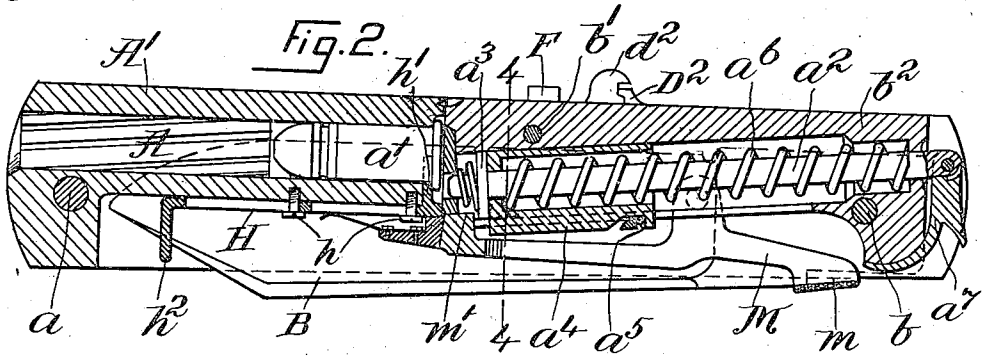


Fig. 3.

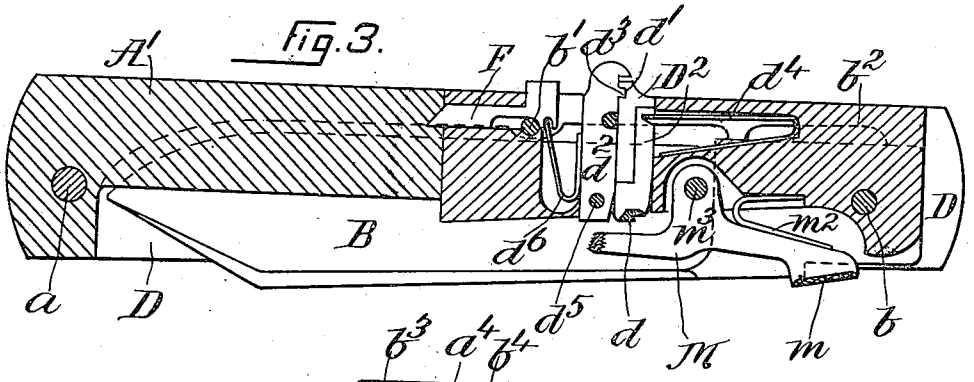
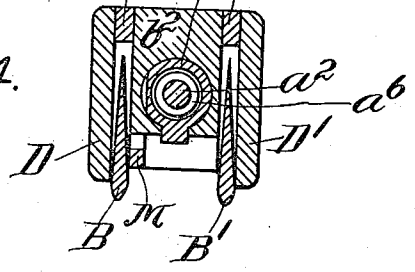


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOSEPH C. WHITE, OF CHELSEA, MASSACHUSETTS.

COMBINED PISTOL AND KNIFE.

SPECIFICATION forming part of Letters Patent No. 626,472, dated June 6, 1899.

Application filed March 26, 1898. Serial No. 675,250. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH C. WHITE, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented an Improved Combined Pistol and Knife, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a top view of my invention. Fig. 2 is a section on line 2 2 of Fig. 1. Fig. 3 is a section on line 3 3 of Fig. 1. Fig. 4 is a section on line 4 4 of Fig. 2.

My invention is a combined pistol and knife in which the pistol, made up of a barrel and a breech-piece, is fired by releasing a bolt or striker contained within the breech-piece, to which piece the blades of the knife are secured, so that the pistol serves as a handle for the knife-blades.

In the drawings, A is the barrel of the pistol, and B B′ the knife-blades. The barrel A is preferably made by boring out a block A′ and swings on the pin a, so that it may be tipped up for the insertion or ejection of the cartridge a'. The knife-blades B B′ are secured by the pin b to the breech-piece b^2, and the knife-blades swing on this pin b. The pins a b b' serve also to hold in place the side pieces D D′ and the springs b^3 b^4 for the knife-blades, and the said side pieces D D′ and the springs b^3 b^4 hold the breech-piece b^2 and the barrel A in proper relation to each other. The breech-piece b^2 is bored out to receive the firing-bolt a^2, to which is fast the collar a^3, which supports the striker a^4, which slides in the bore in the breech-piece b^2, the striker a^4 being notched at a^5 to receive the trigger-catch d.

The spring a^6 is coiled around the firing-bolt a^2, one end of the bore in the breech-piece b^2 and the striker a^4 serving as abutments for the spring. The trigger D^2 is mounted in a slot in the side of the breech-piece b^2 and carries at its lower end the catch d and is provided near its upper end with the notch d', which is engaged by shoulder d^3 on safety-catch d^2. The trigger D^2 is held in place by the spring d^4. The safety-catch d^2 is a lever fulcrumed at d^5 and provided with the shoulder d^3, which engages the notch d' in the trigger D^2 and is held in engagement therewith by spring d^6, so that before the trigger D^2 can be pushed down and the striker a^4 released the catch d^2 must be swung forward on its fulcrum against the force of the spring d^6.

The barrel A is held in place by the catch F, which moves endwise in a slot in the breech-piece b^2 and is held in engagement with a notch in the block A′ by the spring d^6. Mounted on the under side of the block A′ is the rod H, which is held in place by screw-heads h h. This rod is provided at one end with a shoulder h', which bears against the rim of the cartridge, and at the other end the rod H is curved to form handle h^2, so that when the barrel is swung on the pin a the handle h^2 may be grasped, the rod H moved endwise, and the cartridge extracted.

Secured to the breech-piece b^2 between the blades B B′ is the lever M, pivoted on the pin m^3. The short arm of the lever M is provided with finger-piece m and the long arm is provided with the shoulder m', which when the lever is in the position shown in the drawings is between the breech end of the block A′ and the collar a^3, so that if the safety-catch d^2 should be released the firing-bolt a^2 could not reach the cartridge unless the shoulder m' should first be pressed down. The lever M is held in its normal position by the spring m^2.

To cock the pistol, the curved arm a^7, fast to the firing-bolt a^2 is grasped and the firing-bolt a^2 is pulled out, carrying with it the striker a^4, until the forward end of the striker a^4 is engaged by the catch d on the trigger D^2, after which the firing-bolt a^2 and the collar a^3 may be pushed back into place, the pistol then being at full-cock, but being prevented from accidental discharge by the safety-catch d^2 and the shoulder m' on lever M.

To discharge the pistol, the breech-piece b^2 is grasped in the hand, the thumb resting against the safety-catch d^2 and the trigger D^2 and one of the fingers of the hand bearing on the finger-piece m of the lever M. The thumb is pressed forward to disengage the safety-catch d^2, and at the same time lever M is swung on the pin m^3 by the pressure of the finger and the trigger is pressed down, disengaging the catch d from the striker a^4, which is thrown forward by the spring a^6 and strikes against the collar a^3, thus throwing the end of the firing-bolt a^2 against the rim of

the cartridge a', thereby exploding the cartridge.

In my invention the pistol is adapted to use the principle of bolt action used heretofore in military rifles. The forward action of the bolt does not derange the aim as the downward blow of a hammer does, especially in these small weapons. By securing the knife-blades to the breech-piece of the pistol I gain the advantages that the pistol may be fired with the knife-blades in their open position without danger of fouling or corroding the blades. Furthermore, this position of the knives does not interfere with the aim of the firer, and the weight of the knife-blades in their open position balances the weapon and aids materially in obtaining accuracy of fire.

I am aware of Patent No. 49,784, dated September 5, 1865, and Patent No. 53,473, dated March 27, 1866, both granted to A. J. Peavey, and I disclaim all shown in them, for in my combined pistol and knife the pistol is adapted to be fired by the forward action of a bolt and the knife-blades are secured to the breech-piece of the pistol, and by this construction I obtain the advantages above referred to.

What I claim as my invention is—

The combined pistol and knife above described, made up of a block A', bored to form the barrel of the pistol; a breech-piece b^2 bored to receive the firing mechanism and slotted to receive the trigger and safety-catches, a firing-bolt a^2, and knife-blades, B B', secured to the breech-piece b^2.

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