(No Model.)

J. C. KELTON.

SAFETY STOP FOR FIRE ARMS.

No. 333,416. Patented Dec. 29, 1885.

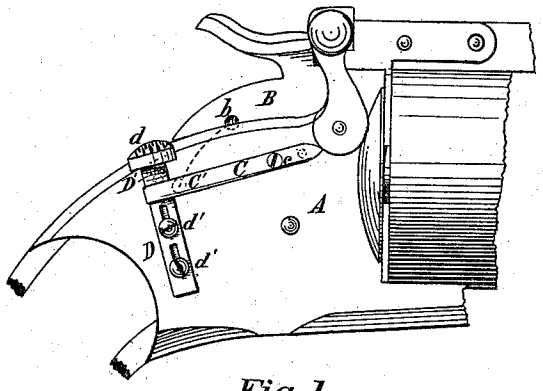


Fig. 1.

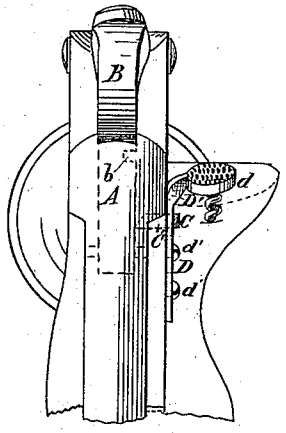
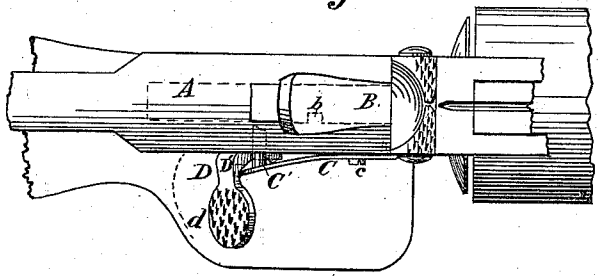


Fig. 2.

Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN C. KELTON, OF SAN FRANCISCO, CALIFORNIA.

SAFETY-STOP FOR FIRE-ARMS.

SPECIFICATION forming part of Letters Patent No. 333,416, dated December 29, 1885.

Application filed October 1, 1885. Serial No. 178,768. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. KELTON, of the city and county of San Francisco, State of California, have invented an Improvement in Safety-Stops for Fire-Arms; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an attachment for pistol, carbine, or rifle, by which the hammer may be retained at full-cock without danger of discharge; and it consists of a pin or stop which is operated by the application of the thumb and finger in opposition upon the grip, as will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a side view of a portion of a pistol, showing the stop and releasing devices. Fig. 2 is a rear view of the same. Fig. 3 is a top or plan view.

The danger of unintentional or premature discharge of a weapon is always considerable, and with mounted men using the pistol in hand-to-hand conflict there is always danger to comrades in the ranks by the premature discharge of weapons, either on account of the unmanageableness of the horses or from the convulsive movement of a man who has himself been shot. In order to avoid this danger, I arrest the movement of the hammer when at full-bent by a device which, in addition to the nose of the sear catching in the tumbler-notch, renders the combined operation for finger and thumb necessary to discharge the weapon.

A is a pistol, and B the hammer, having a small hole, *b*, drilled horizontally in one side of it. A safety-pin, C′, is attached to a flat spring, C, which causes the pin to press against the flat side of the hammer, and when the latter is raised to the full-bent this pin drops into the hole *b*, before described. A vertical sliding bar, D, is guided either by screws *d*′, passing through slots in the bar and entering the body of the pistol, or in other suitable manner, so that by pressing the thumb upon the middle of the head *d* of this slide it will be forced down. It is held up by a spring below. This bar has on the inner face an inclined plane, D′, which, when the bar is pressed downward, will act upon the outer end of the spring-arm C, and will withdraw the pin from the hole *b*, so that the weapon may be discharged by simply pulling the trigger with the forefinger.

This device may be applied by various methods to different weapons; but in applying it to a pistol I have shown a projection or support upon one side, upon which the thumb naturally rests in aiming the pistol, and the milled head of the sliding bar D projects above the top of this thumb-support, so that when the finger is on the trigger and the thumb rests upon this milled head a simultaneous pressure upon the two releases the hammer from this safety-pin, and also from the nose of the sear, by which the tumbler is engaged.

As the pistol is ordinarily held with the hand grasping the stock, the thumb will not be placed upon this projection or support until the pistol is thrown down in the act of firing, when the natural position of the thumb will be extended above the metal head *d*, and as it is in opposition to the forefinger when in this position, the act of firing will be in the nature of a firmer grasp upon the weapon, which will steady it and prevent its being pulled to one side.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A safety device for fire-arms, comprising a pin adapted to engage a hole in the side of the hammer and automatically lock said hammer when at full-bent, a spring-plate bearing the same, and a vertically-sliding plate upon the side of the stock, having an inclined plane or cam for retracting said plate to withdraw the pin, whereby a simultaneous pressure upon the plate and trigger is necessary to release the hammer, substantially as herein described.

2. A safety device for fire-arms, comprising a hammer having a hole in its side, a pin adapted to automatically lock the hammer when at full-bent, a spring-plate carrying the same, a vertically-sliding bar upon the side of the stock for actuating the plate, and having an inclined plane or cam and milled head or thumb-piece, the said pin being withdrawn and the hammer released by simultaneous pressure upon the trigger and sliding plate, substantially as herein described.

In witness whereof I have hereunto set my hand.

JOHN C. KELTON.

Witnesses:
ALFRED PANSHO,
JOHN G. KELLY.