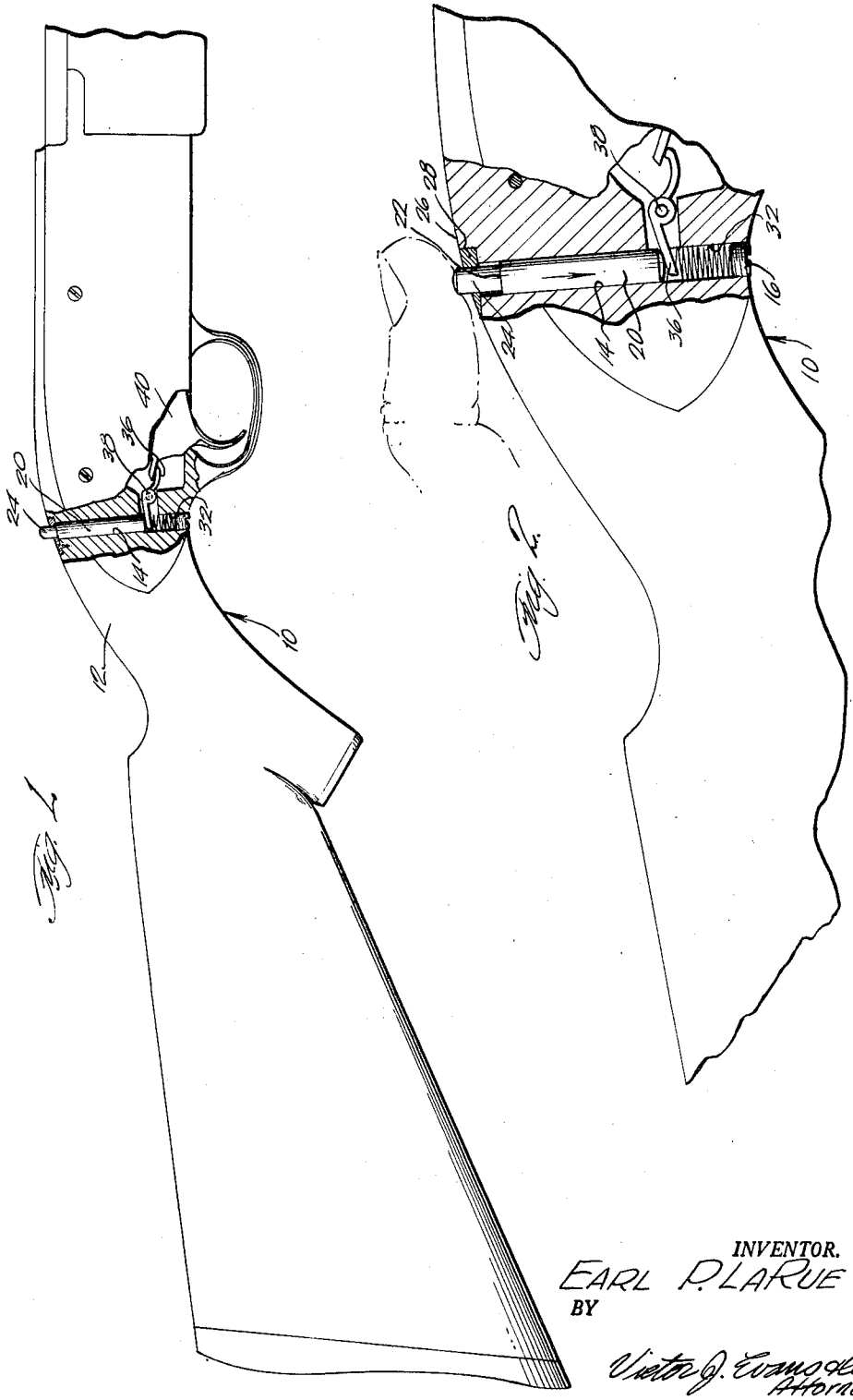
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FIRING BUTTON FOR GUN

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INVENTOR.
EARL P. LA RUE
BY
Victor J. Evans & Co.
Attorneys

United States Patent Office

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FIRING BUTTON FOR GUN

Earl P. La Rue, Box 306, Jerome, Mich.

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1 Claim. (Cl. 42—69)

The present invention relates to a firing button adapted to be used in conjunction with a conventional gun, and in which there is provided an improvement in the development of "trigger squeeze" for improving the accuracy and firing of a gun. More particularly, the invention relates to installing a firing button and an actuable lever for providing an auxiliary actuation of the trigger in firing a gun, and in which the firing button is actuated by movement of one's thumb being applied to the firing button to provide increased pressure of a trigger actuating mechanism for the gun.

One of the advantages and features of the present invention is that it provides means by which persons having a handicapped hand may improve their firing ability in squeezing the trigger by an auxiliary mechanism to supplement the actuation of the firing mechanism of the gun.

The invention seeks to provide a novel and improved mechanism by which use of a gun is improved so that it is capable of being used to hit a target without any pulling away of the gun barrel muzzle from the direction of the target that may be prevalent where one attempts to "pull" the trigger rather than squeeze the trigger. Thus, the invention seeks to improve marksmanship as well as the firing technique in the use of the gun.

An important advantage of the invention is that it develops the technique of "trigger squeeze" so that when one uses a gun without the mechanism of the present invention, the firing of such gun is improved by the application of the "trigger squeeze" principle over the concept of pulling the trigger. Thus, the invention may be used also as a training and practice piece, as well as an attachment for guns of conventional construction.

A complete understanding of the invention may be had from the following description of a particular embodiment of the invention. In the description, reference is made to the accompanying drawings in which:

FIGURE 1 is a side elevational view shown partially in cross-section of a stock and trigger mechanism of a gun in accordance with the preferred embodiment of the invention; and

FIGURE 2 shows a broken away elevational section of the details of the preferred embodiment of the invention showing the firing button and attending apparatus for the trigger mechanism, in which the thumb is shown as being applied to the firing button.

Referring now to the drawings, there is shown a gun **10** having a stock **12**. In a portion of the stock **12**, there is drilled a small opening **14** that is substantially vertically disposed in the stock and extends completely through said stock. The lower end of the opening **14** terminates in a threaded tension screw **16** that threadably engages the sidewalls of the opening **14**. From the upper end of the opening **14**, there is disposed a shaft **20** having its cylindrical portion thereof substantially engaging the walls of the opening **14**. The shaft **20** has a shoulder portion **22**, shown in FIGURE 2, that is disposed near the upper end thereof, and from the shoulder portion **22** there is formed a smaller extension comprising a firing button **24**.

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The firing button **24** extends upwardly from the zone **26** that surrounds the opening **14** on the upper portion of the stock **12**.

Thus it is seen that the firing button of the present invention may be readily and conveniently adapted to any gun having a plain stock disposed about the trigger and the attending zone around the stock in which a substantially vertically disposed drilled hole may be made in the stock of the gun. The button is placed in the drilled hole and, if convenient, a metal casing or sleeve may be disposed as a liner for the drilled hole **14**. The shaft **20** is retained in the hole **14** by a fitting **28** which is made flush with the surface of the stock of the gun and it retains the shaft in the hole so that only the button **24** extends conveniently therethrough, as shown in FIGURES 1 and 2. A spring **32** is provided for applying bias to the shaft so that it is positioned in the upward portion of the opening **14**. The depression of the button **14** by a thumb, as shown in FIGURE 2, moves the shaft **20** downwardly so that it engages and displaces a lever **36** that is pivotally mounted by a pin **38** so that the movement of the trigger **40** pivotally mounted in the receiver portion of the gun is provided with an auxiliary and supplementing force in its movement for firing the gun.

Adjustment of the tension screw **16** provides increase or decrease in the pressure of the spring on the firing button so that adjustment may be made in the amount of squeeze that is required to provide the auxiliary force for actuating the trigger of the gun.

It should be understood that the specific apparatus herein illustrated and described is intended to be representative only, as many changes may be made therein without departing from the clear teachings of the invention. Accordingly, reference should be made to the following claim in determining the full scope of the invention.

What is claimed is:

In a gun having a stock portion and a receiver portion, a trigger pivotally mounted in the receiver portion of the gun, means actuable from a zone on the upper surface of the stock portion of said gun to supplement squeezing of the trigger, said means comprising a firing button on the upper surface thereof for being adjustable by the thumb, a shaft extension for said button extending downwardly therefrom in a cylindrical hole in said stock, a pivotally mounted lever in said stock having one end actuable by said shaft extension and the other end for advancing said trigger in response to movement of said shaft extension, a spring positioned in said cylindrical hole for biasing the shaft extension and lever in a generally upward direction, and a tension adjusting screw closing off the bottom of said hole and positioned threadably in alignment with said shaft extension to adjust the bias on said firing button as it is depressed for actuating said lever.

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BENJAMIN A. BORCHELT, *Primary Examiner.*