

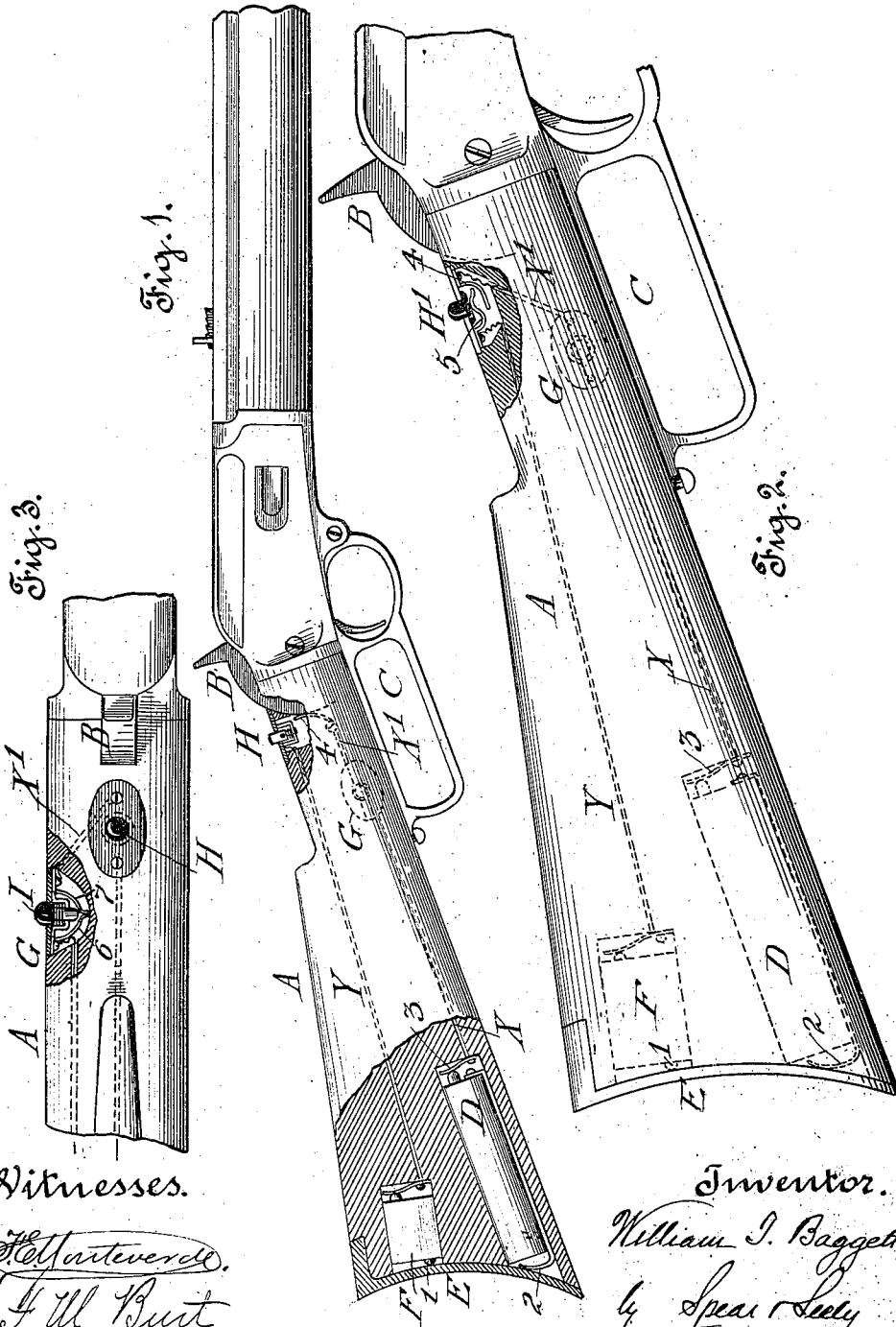
No. 666,372.

Patented Jan. 22, 1901.

W. T. BAGGETT.
ALARM FOR GUNS.

(Application filed Oct. 9, 1900.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM T. BAGGETT, OF SAN FRANCISCO, CALIFORNIA.

ALARM FOR GUNS.

SPECIFICATION forming part of Letters Patent No. 666,372, dated January 22, 1901.

Application filed October 9, 1900. Serial No. 32,489. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. BAGGETT, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Alarms for Guns, of which the following is a specification.

My invention relates to alarms of the general character shown in an application for patent filed by me May 17, 1900, and serially numbered 17,047. In that application I described an alarm for indicating an unsafe condition of guns of the hammerless type.

The present invention relates more particularly to guns provided with hammers which are cocked by hand or by some actuating mechanism, such as a lever.

The invention is illustrated in connection with a common form of single-barreled rifle, in which the hammer is very small and projects only slightly above the stock. Such guns are frequently left cocked through inadvertence and carried in that dangerous condition.

A further object is to improve the construction and arrangement of the operating mechanism for the alarm.

In the accompanying drawings, Figure 1 is a side elevation of the stock of a gun, broken away in places to show the parts comprising my invention. Fig. 2 is a similar view showing a somewhat-modified construction. Fig. 3 is a top plan of the neck of the stock, broken away to show the circuit-breaker.

A represents the stock of a gun, and B the hammer, the latter being operated by hand in some guns and in others by a lever, one common form of which is shown at C. However the hammer is operated the result, so far as the object and purpose of my invention are concerned, is the same.

I prefer to employ electricity to produce my alarm and have shown a simple and convenient mechanism for operating an electrical signal, all contained and concealed within the hollow stock.

D represents a battery of any suitable kind, preferably a small dry cell, which is placed in a recess in the stock, which is normally closed by the end plate E. I prefer also to place the buzzer or other alarm F in a similar recess and to use the plate E as an electrical con-

nection between the buzzer and one side of the battery, as indicated by the contacts 1 and 2. The other pole of the battery is preferably pushed by the end plate against a spring 3 in the recess, so as to keep the battery in proper position and maintain good contacts. From this spring a wire X extends to the interrupter or circuit-breaker G; hereinafter described, and thence, as shown at X', to the hammer of the gun, preferably by means of a spring-contact 4, which permits the hammer to move freely. The hammer itself is a circuit-closer when the gun is cocked, and this closing of the circuit can be done in various ways, some of which are illustrated in the drawings. In Fig. 1 a small spring-pressed stud H is connected by a wire Y to the buzzer and forms a contact with the hammer when the latter is at full cock. The wire Y is connected to the buzzer in substantially the same manner that the wire X is connected to the battery. In Fig. 2 the stud H' is insulated and the wires X and Y are connected, respectively, to open contacts 4 and 5, which are closed when the hammer at full cock presses the stud inwardly. The constructions thus far described will produce a continuous alarm at the buzzer whenever the gun is cocked.

The interrupter before referred to is for the purpose of enabling the gunner to silence the alarm by intention when the gun is cocked. The interrupter is preferably a spring-pressed insulating push-button I, movable and guided in the stock, and is shown as operating in connection with two normally-closed spring-contacts 6 and 7 in the circuit, which it separates when pressed inwardly, and so opens and holds the circuit open temporarily until it is released, when, if the gun has not been fired and remains cocked, the alarm will recommence. The most convenient place for this interrupter is on the side of the stock at a point naturally covered by the fingers in the act of cocking, raising, or aiming the piece; but it can be placed in any other suitable location.

I do not limit myself to details of construction shown and described, as I am not aware that an audible alarm has ever been used in connection with the hammer of a gun, and I therefore desire to avail myself of such modifications of and equivalents for the construc-

tions shown as fall properly within the spirit of my invention.

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

1. In combination with a gun and a hammer thereof, an audible alarm, and means operated by the act of cocking the gun for sounding said alarm.
2. In combination with a gun and a hammer thereof, an audible alarm, means operated by the act of cocking the gun for sounding said alarm, and means under the control of the gunner for preventing the operation of said alarm.
3. In combination with a gun, an open electrical circuit which includes a battery, an alarm, and the hammer of the gun, and means for closing said circuit by the act of moving the hammer to cocked position.
4. In combination with a gun, an open electrical circuit, which includes a battery, an alarm, the pivoted hammer of the gun, and a movable stud operated by the said hammer when the latter is cocked, whereby the circuit is closed.
5. In combination with the stock of a gun, a battery and an alarm held in said stock, an

end plate for the stock in contact with said battery and said alarm, an open electrical circuit which includes said end plate, and means for closing said circuit by the act of putting the gun in condition for firing.

6. In combination with the stock of a gun, a battery and an alarm recessed into said stock, an end plate for the stock closing said recesses, and forming a connection between said alarm and said battery, and connections completing an electrical open circuit to the means for placing the gun in condition for firing.

7. In combination with the stock of a gun, a battery recessed into said stock, an end plate in contact with said battery for closing said recess, a spring in said recesses against which the battery is pressed by said end plate, said spring being in an electrical circuit which includes said battery, an alarm, and the means for placing the gun in condition for firing.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 26th day of September, 1900.

WILLIAM T. BAGGETT.

Witnesses:

L. W. SEELY
F. M. BURT.