F. TAYLOR.

Locks for Fire-Arms.

No. 166,947. Patented Aug. 24, 1875.

Fig. 1

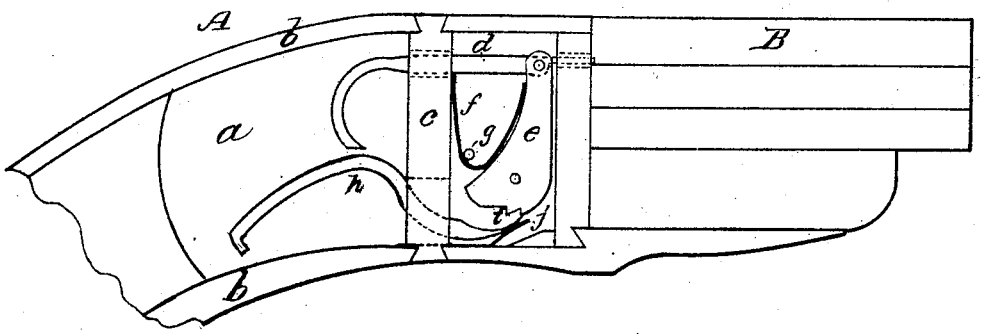
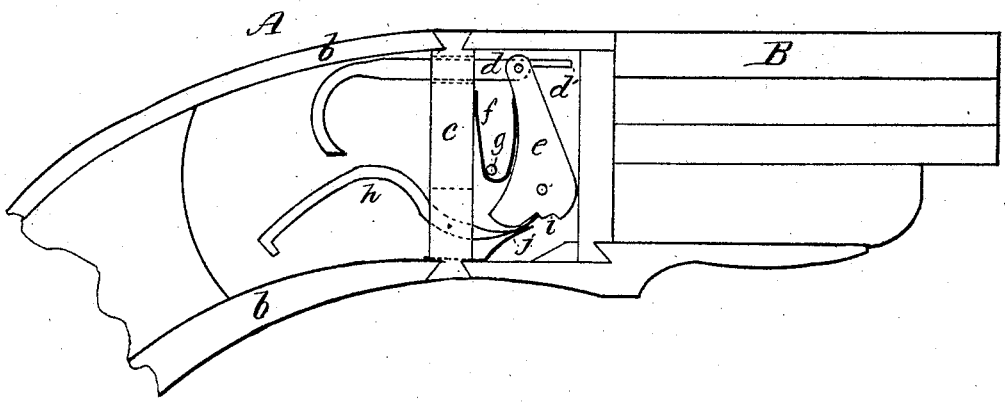


Fig. 2.



WITNESSES:

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FERDINAND TAYLOR, OF DANBURY, CONNECTICUT.

IMPROVEMENT IN LOCKS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. **166,947**, dated August 24, 1875; application filed June 29, 1875.

To all whom it may concern:

Be it known that I, FERDINAND TAYLOR, of Danbury, in the county of Fairfield and State of Connecticut, have invented a new and valuable Improvement in Gun-Lock; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my improvement, showing the position of the lock after the discharging of the gun. Fig. 2 is a similar view, showing the position of the lock when cocked and ready to fire.

This invention consists in the peculiar construction of the lock, and incasing the same entirely within the stock, as will be hereinafter described, and subsequently pointed out in the claim.

In the drawings, A represents a portion of the stock of a fire-arm, to which the barrel B is secured in a manner usually practiced by gun-manufacturers. A portion of the stock (shown at *a*) is left open to allow the trigger and hammer to be operated within the frame *b b*, the latter having dovetail grooves to receive the ends of a vertical brace-piece, *c*. The cocking device, as shown at *d*, is curved at its inner end, to allow the ready manipulation of the same in the act of cocking, and passes through a slot in the brace-piece *c*, the outer end thereof carrying a firing-pin, *d'*, and pivoted to the upper end of a hammer, *e*, which, in turn, is pivoted to the inner side of one of the pieces inclosing the operating parts of the lock. A curved double spring, *f*, is interposed between the hammer *e* and brace-piece *c*, and is held in its proper relation thereto by a guide rod or pin, *g*. Passing through an elongated slot in the lower end of the brace-piece *c*, and pivoted thereto, is a releasing-lever or trigger, *h*, the outer end engaging with notches *i* in the lower part of the hammer *e*, and is pressed up in position by a suitable spring, *j*.

The operation may be easily understood from the following: In cocking, the cocking device is pulled back, which throws out the lower end of the hammer *e*, the same being prevented from returning by the outer end of the lever or trigger *h*, which, with the assistance of the spring *j*, engages with the notches *i* in said hammer. When the gun is discharged the inner end of the releasing-lever or trigger *h* is pressed upward, disengaging its outer end with the notches of the hammer *e*, the spring *f* forcing the upper end of the same outward, carrying with it the cocking device *d* and firing-pin *d'*.

My improvement is exceedingly simple in its construction, also strong and durable, and not liable to get out of order. It will be seen that as the operating parts of the lock are entirely within the casing or stock it greatly lessens the possibility of the premature discharge of the gun, and making it a valuable fowling-piece for sportsmen and others.

Having now fully described the construction and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The hammer *e*, provided at its upper end with a pivoted hook, *d*, to serve as a means for cocking, in combination with a double spring, *f*, held in place by the stud or pin *g*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FERDINAND TAYLOR.

Witnesses:

ALFRED B. KNAPP,

ROGER AVERILL.