

E. B. Hendee.
Gun Lock.

N^o 110,360. Patented Dec. 20, 1870.

Fig. 1.

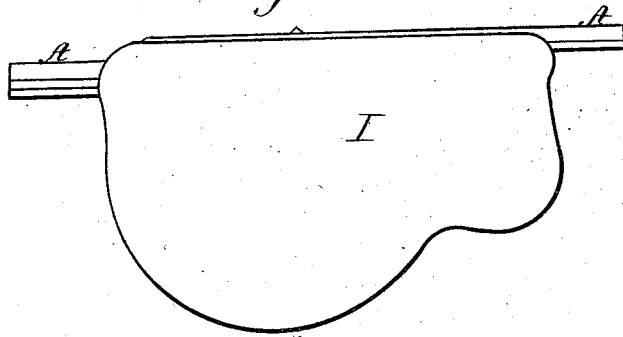


Fig. 2.

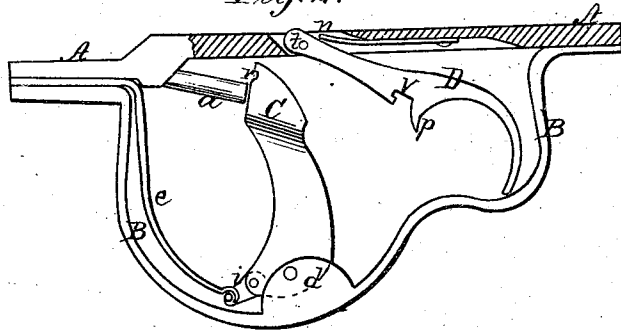
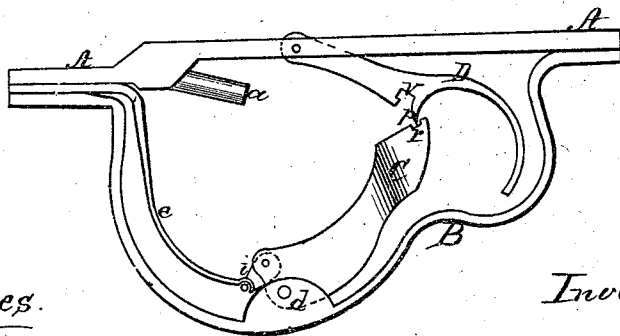


Fig. 3.



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EDWIN B. HENDEE, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 110,360, dated December 20, 1870.

IMPROVEMENT IN GUN-LOCKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWIN B. HENDEE, of the city and county of San Francisco, State of California, have invented an Improved Gun-lock; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to an exceedingly simple, effective, and safe gun-lock, which will also be more convenient than the locks ordinarily used.

My invention and improvements in gun-locks consist in a cock or hammer and trigger, constructed and arranged to operate in connection with each other so as to dispense with the tumbler, sear, and sear-spring, heretofore used.

In order to explain my invention so that others will be able to understand its construction, attachment, and operation, reference is had to the accompanying drawing forming a part of this specification, in which—

A may represent an extension of the breech-piece of a gun, which fits against the under portion of the stock, and to which the guard B is secured.

The nipple or tube *a* communicates with the chamber in the barrel from the under side, being secured in a proper-sized hole, which is made at any angle through the breech of the barrel near the forward part of the guard.

The angle at which the hole is made should be as slight as possible, in order to allow the tube to be nearly horizontal when secured in it.

The hammer C is hinged to the guard B between two lugs *d*, so that when it stands vertical its striking face will bear upon the end of the nipple.

A strong steel spring, *e*, is connected to its lower end by means of a link, *i*, and is bent so as to be parallel with the guard, its opposite end being secured between the guard and gun-barrel or stock, as shown, or by other suitable means.

Across the upper face of the hammer C is a groove or channel, *r*, which serves to catch in the half-cock notch.

The trigger D is hinged to the plate A above the hammer, and is held by a small rivet, *t*, at the proper angle, the finger-piece of the trigger being formed at the opposite end.

In the face of this trigger, which is next to the hammer C, is a peculiarly-shaped recess, V, into which the grooved end of the hammer enters when drawn back, and forms the half-cock, in which position the groove *r* and recess V, with their projecting parts, form a dovetail, which holds the hammer firmly, and from which position the hammer will not be released by drawing upon the trigger.

The form or particular manner of constructing the groove, in order to form a dovetail or catch at the half-cock, is not of particular importance, as various methods of securing the hammer at that point could be applied.

Just back of the recess V, on the trigger, is a projection, *p*, which is slightly curved backward, so that the hammer can be drawn past it and catch at the full cock on its concave side, the point of the projection entering the groove *r*, from which the hammer can be readily released by drawing backward on the trigger, the reactionary force of the spring *e* causing the hammer to strike the nipple with the force necessary to explode the cap.

In order to protect the lock from the weather and remove every possibility of accidents by carelessness in handling or otherwise, I provide a cap or cover I, which is made of a suitable shape to slip over the guard and thus inclose the entire lock. This cap may be removed in an instant when it is desired to fire the gun.

The extension piece A, to which the guard and lock are attached, can, if desired, be made in a separate piece, so as to be easily removed, if desired; and where necessary, a firing-pin can be substituted in place of the nipple or tube *a*, as in case of breech-loading or cartridge guns.

The trigger is kept down so as to be caught by the hammer by means of a spring, *o*.

By constructing and attaching gun-locks in the above-described manner, many advantages are obtained over any other construction of locks at present used. The necessity of cutting away and thus greatly weakening the stock of the gun is avoided.

The hammer, which, in the ordinary lock, is liable to interfere with the accuracy of the sight, by drawing the attention of the gunner at the moment it is expected to fall, and thus causing his aim to vary, is removed from the objectionable position and located entirely out of his sight when firing.

The cap or cartridge being entirely below the gun, the eye will be protected from danger from defective caps or flying pieces.

The number of pieces in the lock is greatly reduced, thus rendering it far more simple and not liable to get out of order.

The danger of accidents is almost entirely removed, especially when the lock is protected by the cover, and, being placed inside of the guard, it is also protected when the cover is off.

The hammer can readily be brought to a full-cock while the gun is at an aim, and the gun thus be fired very rapidly, especially when provided with a self-loading device. The parts, being outside, are very easily cleaned and kept in order.

This lock can be applied to ordnance and small arms of all descriptions.

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

A cock or hammer and trigger, constructed and arranged to operate in connection with each other, sub-

stantially as described, so as to dispense with the tumbler, sear, and sear-spring heretofore used.

In witness that the above-described invention is claimed by me I have hereunto set my hand and seal.

Witnesses: EDWIN B. HENDEE. [L. S.]
JNO. L. BOONE,
GEO. H. STRONG.