

(No Model.)

A. T. BROWN.

GUN LOCK.

No. 289,062.

Patented Nov. 27, 1883.

Fig. 1.

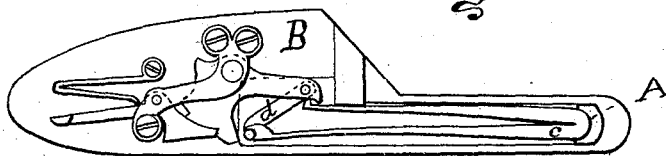


Fig. 2.

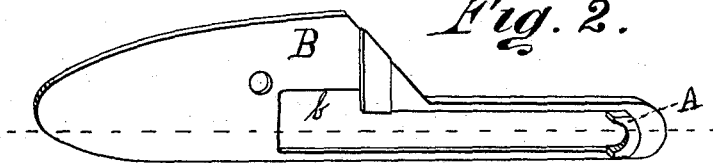


Fig. 3.

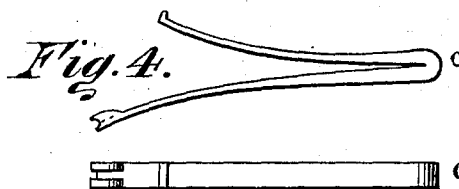


Fig. 4.

Witnesses:
A. Smith
Geo Livermore

Inventor:
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UNITED STATES PATENT OFFICE.

ALEXANDER T. BROWN, OF SYRACUSE, NEW YORK, ASSIGNOR TO LYMAN C. SMITH, OF SAME PLACE.

GUN-LOCK.

SPECIFICATION forming part of Letters Patent No. 289,062, dated November 27, 1883.

Application filed August 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER T. BROWN, of Syracuse, of the county of Onondaga and State of New York, have invented certain new and useful Improvements in Gun-Locks, of which the following is a clear and exact description.

Figure 1 is a plan elevation of the lock complete. Fig. 2 is a perspective view of the lock-plate with working parts removed. Fig. 3 is a horizontal section of lock-plate, cut as designated by dotted line in Fig. 3. Fig. 4 is a side and top view of mainspring detached.

The objects of my invention are to provide a means of holding the mainspring in position without screws or studs, as have formerly been used in side-plate locks for this purpose, and to secure a central draft or connection with the mainspring, and make the springs interchangeable with the right and left hand locks of a double-barreled gun. To accomplish these objects I make a depression or recess in the lock-plate B of a form corresponding with the outline of the mainspring in its working position, of a depth preferably equal to one-half of the difference between the width of mainspring and the thickness of the tumbler. The forward or small end of lock-plate is provided with a lug or projection, A, having its backward side concaved to fit the closed end of the mainspring C. This lug, however, may sometimes be omitted.

It will be noticed that the thrust of the mainspring on the swivel forces and holds said mainspring to the concaved bearing in the lug A.

The hammer and its connections are applied to the lock-plate, as is usual.

It will be observed that my invention applies only to the class of locks known as "side-plate gun-locks"—that is, such locks as have the hammer, sear, if there be one, and mainspring, and all the mechanism of the lock proper carried by the side plate, and removable with the plate from the gun. Such locks are now mainly used with shot-guns. I claim nothing connected with central-hammer locks such as are generally used in revolvers and most modern rifles.

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

1. A gun-lock side-lock plate having a recess in its inside face of the general outline of the mainspring, and adapted to partially inclose said spring, substantially as described.

2. A side-lock gun-lock plate having a recess in its inside face, as described, and a lug, as A, at the extremity of said recess, the recess adapted to partially inclose the mainspring, and the lug to form a bearing for the bent end of the mainspring, substantially as described.

3. The combination, with a side-lock gun-lock plate having a depression or recess in its inner face, of a mainspring having one side inclosed in said recess, and hammer and connections, as usual in gun-locks, substantially as described.

In witness whereof I have hereunto set my hand this 21st day of August, 1883.

ALEXANDER T. BROWN.

In presence of—

C. W. SMITH,
GEO. LIVERMORE.