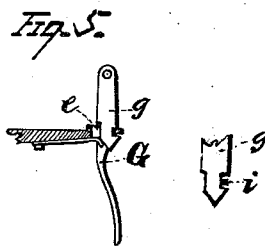
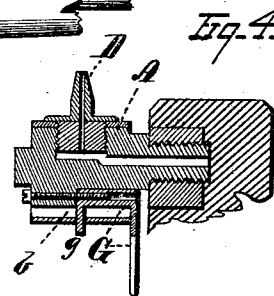
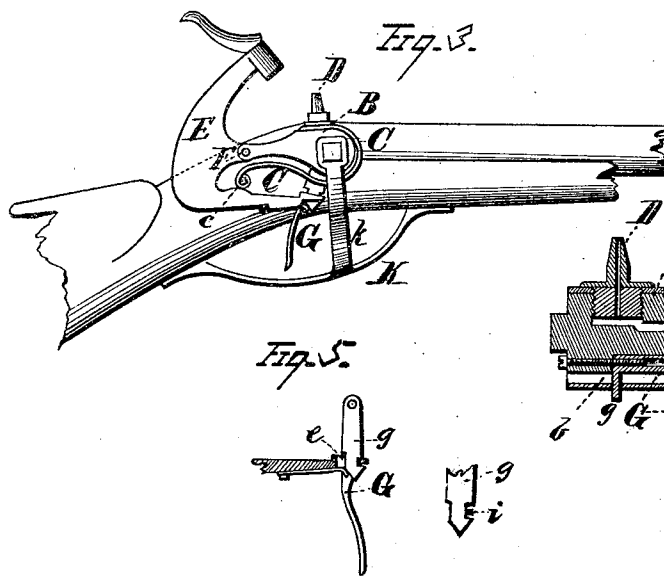
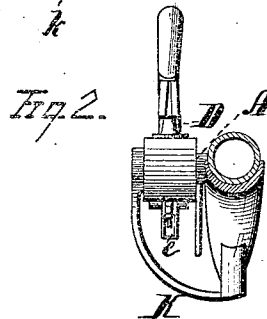
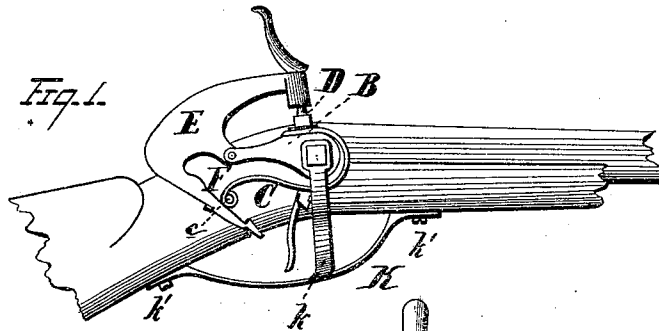


S. RUSH.  
Locks for Fire-Arms.

No. 153,848.

Patented Aug. 4, 1874.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

SOLOMON RUSH, OF REYNOLDSBURG, OHIO.

## IMPROVEMENT IN LOCKS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. **153,848**, dated August 4, 1874; application filed May 22, 1874.

*To all whom it may concern:*

Be it known that I, SOLOMON RUSH, of Reynoldsburg, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Locks for Guns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in gun-locks; and consists in a novel combination and arrangement of parts, whereby the lock is made simple and effective; and, second, in a structure that can be attached to the exterior of the stock without mortising, and thereby weakening, the stock.

In the drawings, Figure 1 is a side elevation of a gun bearing my improved lock. Fig. 2 is an end view of same looking from the muzzle toward the stock. Fig. 3 is side view of same with the hammer raised. Fig. 4 is a sectional view taken through the priming cylinder or chamber. Fig. 5 is a separate view of the trigger, showing the locking mechanism in section in connection therewith.

A is the priming cylinder or chamber, upon which is placed the incasing-block or hammer-support B. C is the mainspring, made to encircle the front portion of the hammer-support B, and, together with the hammer-support, is firmly secured to the priming-cylinder A by the nipple D. E is the hammer, hinged to the support B at F. It then takes a short turn beneath the spring C, so that the latter has a bearing upon the upper side of this under prong of the lock. A roller, *c*, gives rolling friction between the spring C and the hammer E. At *e* the hammer is slotted, so that when it is raised by the thumb the dog *g* of the trigger G will enter the slot *e*, where it is held in place by the little spring H until released by pulling the trigger G. The trigger G and dog *g* are made in a single piece, and

hinged into the under side of the hammer-support B at *b*; and in the end of the dog *g* is a set-screw, *i*, by means of which the trigger can be set very sensitively or very firmly, as may be desired. K is the trigger-guard, made in the ordinary shape underneath, but having a branch, *k*, that comes out upon the side and fits upon an arbor on the end of the priming-cylinder A.

By loosening the screws *k'* *k'* the guard K can be turned around and be employed as a wrench to unscrew the priming-cylinder, and with it to remove the lock from the gun.

By simply altering the trigger-piece G the whole lock may be set upon a priming-cylinder upon the left side of the gun.

The advantages of this lock are briefly as follows: It is attached to the barrel without mortising or otherwise weakening the stock. The lock is very simple, and not liable to get out of order; but, if it should get out of order, the trouble could be detected at once and be quickly repaired. A strong blow is delivered with a very short throw of the hammer.

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

1. In combination with the priming-cylinder A, the block B, spring C, hammer E, and trigger G, substantially as set forth and shown.

2. In combination with a gun-barrel, the priming-cylinder A, upon which priming-cylinder alone is attached and operates the lock mechanism for exploding the charge in the gun, substantially as described.

3. The branch trigger-guard K, provided with the wrench-headed arm *k*, substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of April, 1874.

SOLOMON RUSH.

Witnesses:

WELLS W. LEGGETT,  
G. J. FERRISS.