

A. YOUNG.

Lock for Fire Arms.

No. 104,394.

Patented June 14, 1870.

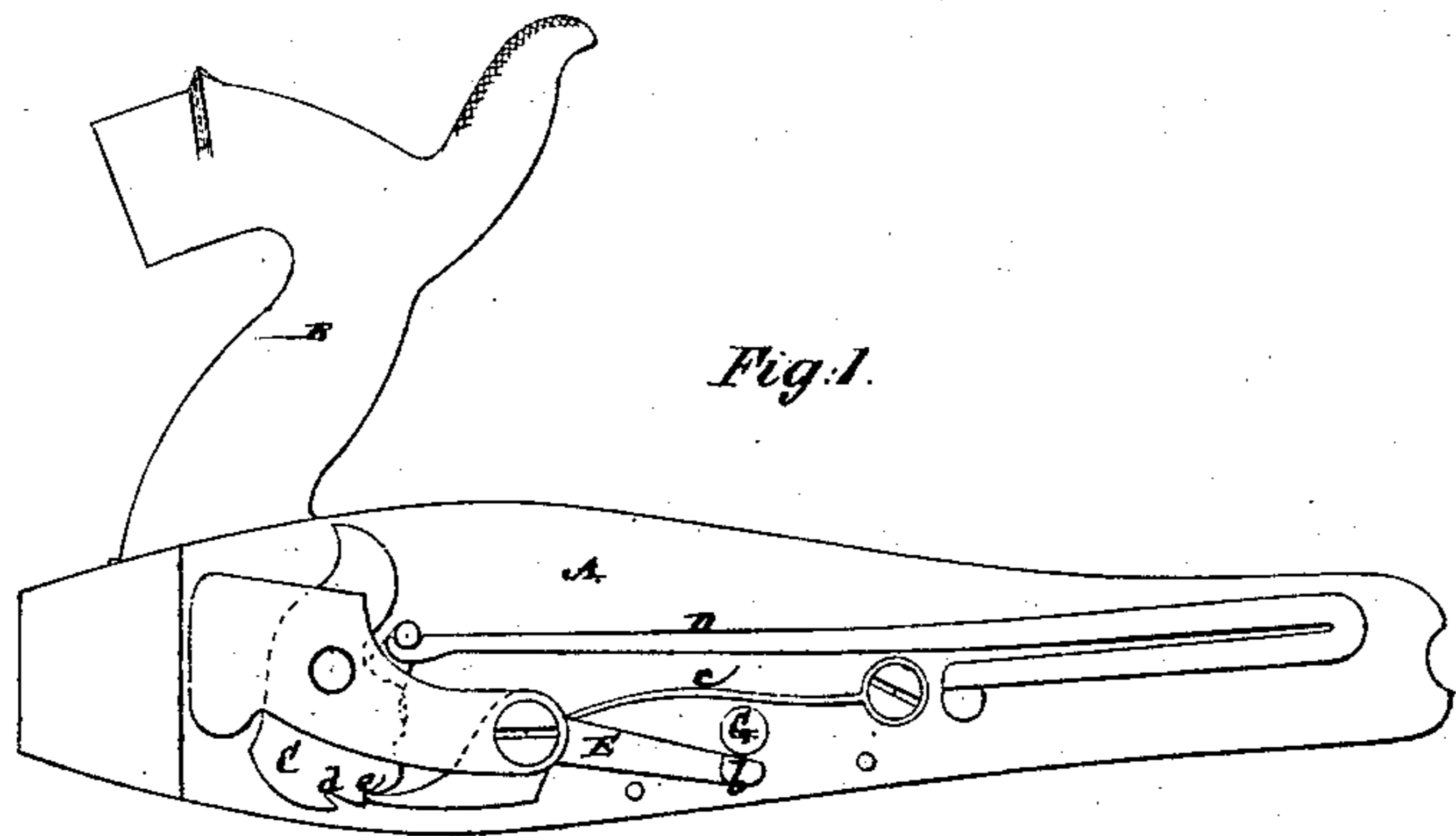


Fig. 1.

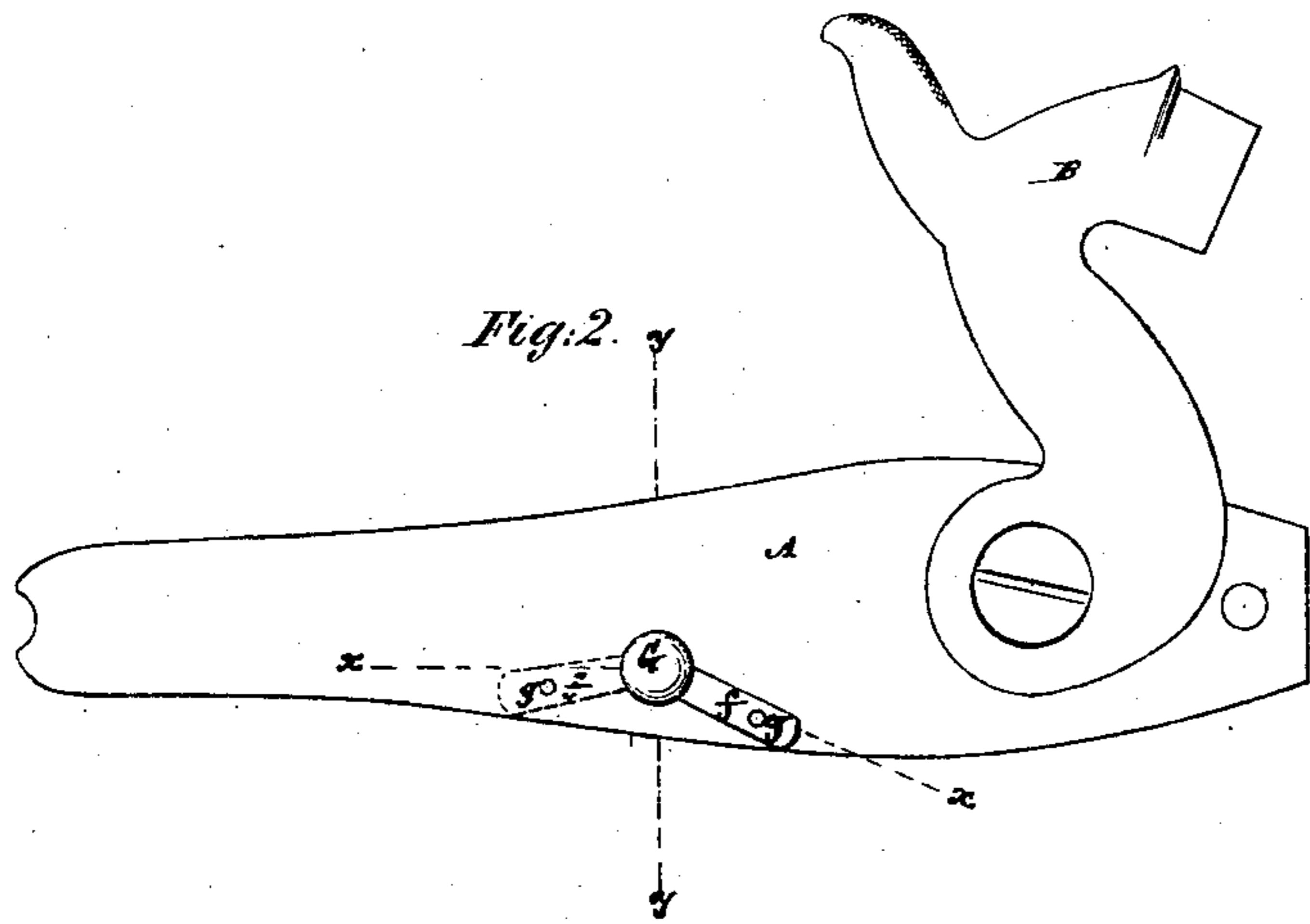


Fig. 2.

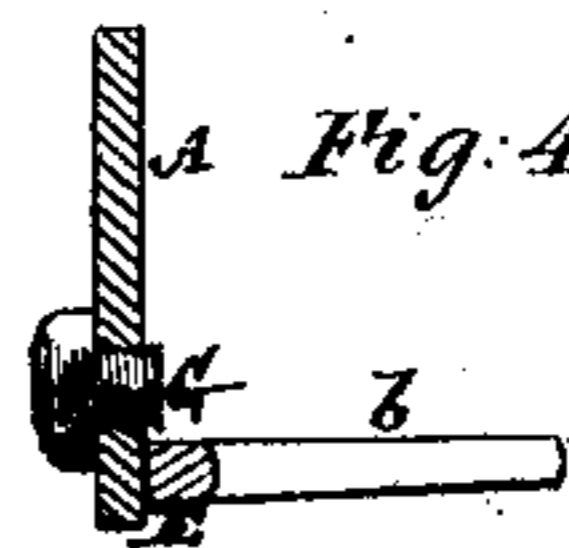


Fig. 4.

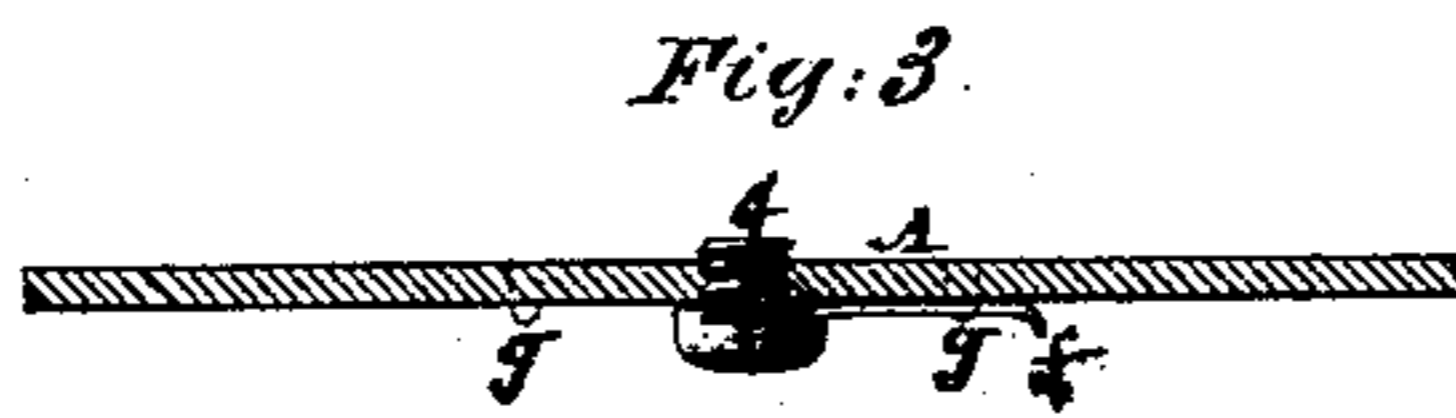


Fig. 3.

Witnesses:

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ALFRED YOUNG, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 104,394, dated June 14, 1870.

IMPROVEMENT IN LOCKS FOR FIRE-ARMS.

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, ALFRED YOUNG, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Locks for Fire-Arms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents an interior face view of a fire-arm lock, with my improvement applied thereto;

Figure 2, an exterior face view thereof;

Figure 3, a section taken longitudinally through the lock-plate, as indicated by the line *x x* in fig. 2; and

Figure 4, a transverse section, taken as denoted by the line *y y*.

Similar letters of reference indicate corresponding parts.

My invention consists in a positive stop, arranged so that when put into action, it projects into the lock to confine the hammer in a certain position, preferably by restricting the movement of the sear, whereby accidental explosion of the fire-arm is avoided.

Referring to the accompanying drawing—

A represents the lock-plate of a fire-arm;

B, the hammer;

C, its tumbler; and

D, the main-spring.

E is the sear;

b, its tail; and

c, the sear-spring.

The tumbler C is provided with the usual rest or safety-notch *d*, and pull-cock notch *e*, into either of which the sear catches, when operated by the trigger, as in other locks.

G is a screw-stop, arranged to play through the lock-plate A, immediately over rear or tail end of the sear, when the latter has been adjusted to hold the hammer at full cock, but it may be otherwise arranged to have a like effect of holding the hammer from being operated except by removal of such stop out of the way.

As here shown, said screw-stop restricts the movement of the sear to release the tumbler, and let fly the hammer by the projection of said stop over the tail end of the sear, but by slightly unscrewing such stop, through the lock of the plate, it is drawn out of the way of the sear, which then is at liberty to be operated by the trigger.

To facilitate the turning of the screw-stop G in or out of the lock-plate, and retention of it in its locking or unlocking action on the sear, said stop is provided with a spring-arm, *f*, which, as it is thrown over to either side of the stop's axis, operates the stop as required, and shoots into lock with either of two teats *g g*, on the lock-plate, to hold the stop at its locking or unlocking position.

A stop of positive character, thus constructed to operate through the lock, essentially differs from the sliding piece for confining the sear in any of the notches of the tumbler described in Letters Patent No. 87,316, issued to me February 23, 1869.

What is here claimed, and desired to be secured by Letters Patent, is—

The combination and arrangement of the screw-stop G, with its spring-arm *f*, and the lock-plate A, with its teats *g g*, substantially as herein set forth.

ALFRED YOUNG.

Witnesses:

GEO. CLAUSER,

HENRY DUTCHER.