(Model.)

W. H. BAKER.

BREECH LOADING FIRE ARM.

No. 248,249. Patented Oct. 11, 1881.

Fig. 1.

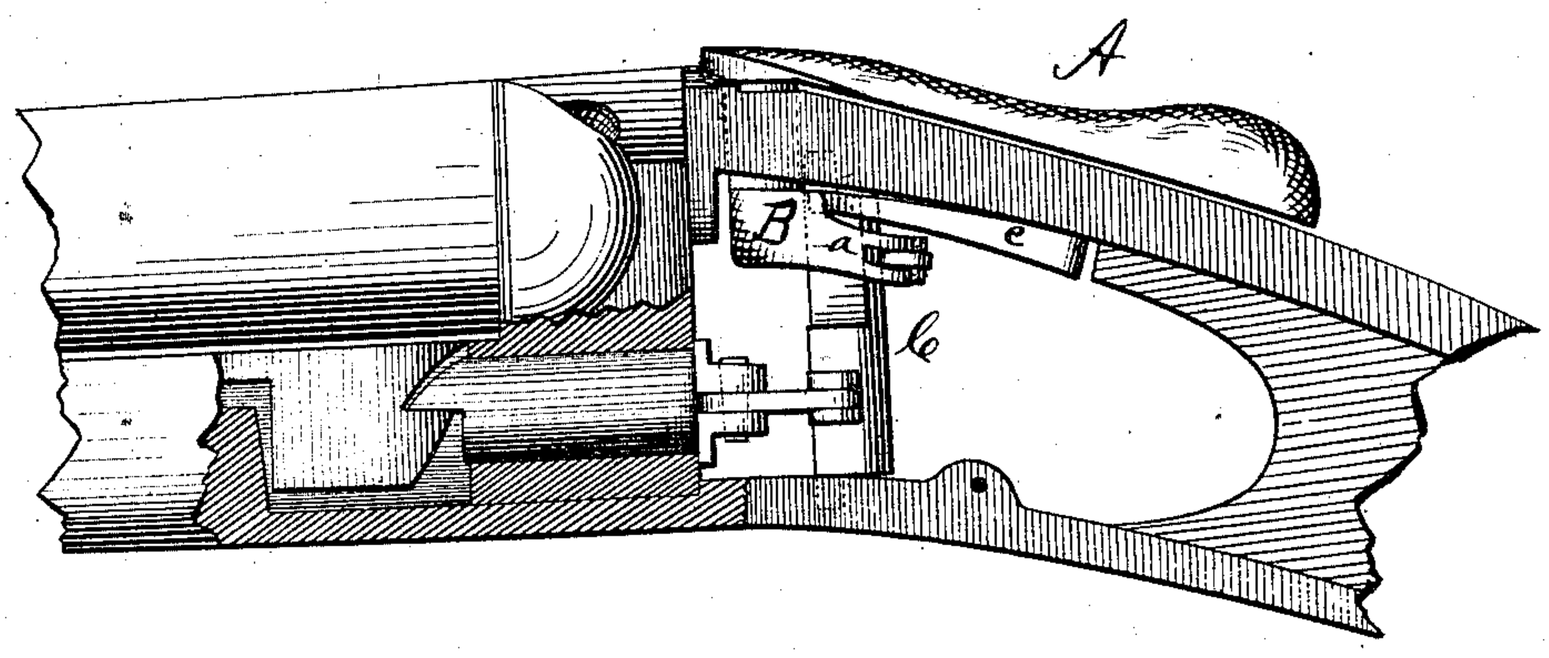
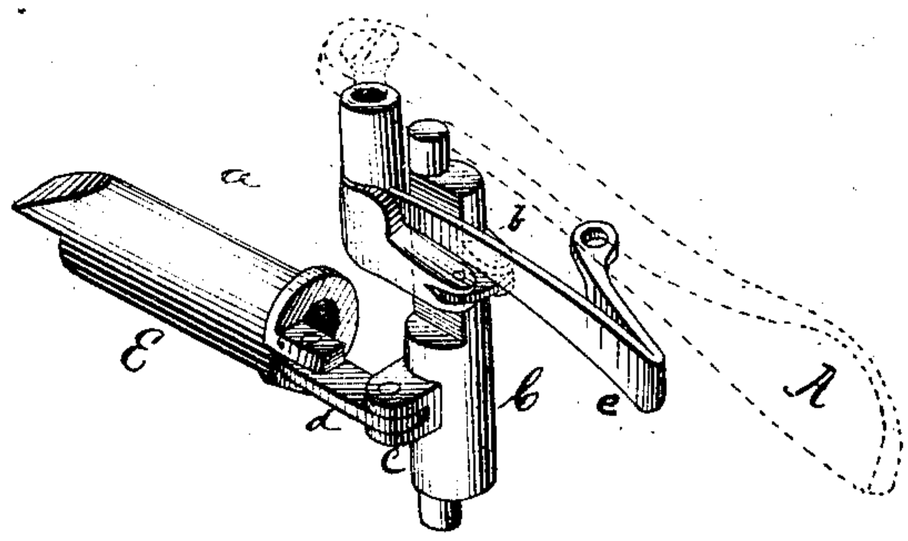


Fig. 2.



Witnesses.

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WILLIAM H. BAKER, OF SYRACUSE, NEW YORK.

BREECH-LOADING FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 248,249, dated October 11, 1881.

Application filed September 12, 1881. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BAKER, of Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Breech-Loading Fire-Arms, fully described hereinafter and represented in the accompanying drawings, in which—

Figure 1 represents a sectional side view, and Fig. 2 a perspective view, of the locking-bolt and operating-tumblers by which the barrels of drop-down guns are locked to the frame in firing position.

My invention relates particularly to that class of arms known as "drop-down guns;" and it consists in the means for operating the locking-bolt by which the barrels are locked in firing position.

Heretofore the locking-bolt has been operated by a top lever and a single rotating shaft or tumbler connected in various ways with the bolt; but I have found this objectionable in arms having outside hammers, for the reason that when the hammers are cocked the movement of the lever is limited to such an extent that the requisite throw for unlocking the barrels cannot be had.

My invention consists, specifically, in the combination and arrangement of two shafts or tumblers connected together and to the locking-bolt in such a manner that by a comparatively slight movement of the operating-lever a greater movement of the locking-bolt is attained, as will be hereinafter particularly pointed out.

Referring to the drawings, A is the operating-lever, connected to the shaft of a tumbler, B, which is located directly below the top strap of the frame. Said tumbler B has an arm, *a*, which is connected to an arm, *b*, of a second shaft or tumbler, C, by a link-connection, as shown clearly in Fig. 2. The shaft or tumbler C has a second arm, *c*, which is connected by a link, *d*, with the locking-bolt E, which locks the barrels in firing position. The length of the arm *a* is greater than that of the arm *b*, and consequently a given movement of the lever A will cause a correspondingly greater rotative movement of shaft C, and consequently the throw of the locking-bolt E will also be greater than if the bolt were connected directly to the tumbler B.

In order to provide for the more compact arrangement of parts, the journals of shaft C are eccentrically arranged, as shown in Fig. 2, so that the rotation of said shaft will carry it bodily sidewise in the direction of the movement of the arm *a*. In this manner the two tumblers can be arranged closer together and sufficient movement of the lever A permitted to impart the necessary movement to the locking-bolt E to lock and unlock the barrels.

A spring, *e*, is arranged below the top strap or tang of the frame, so as to bear aginst the tumbler B and return the action to its locking position. If preferred, the spring may be arranged to bear against the shaft C, or directly against the locking-bolt E.

Having thus described my invention, what I claim as new is—

1. A locking mechanism for drop-down guns, consisting of two tumblers, as B C, arranged as shown, and provided with arms *a b*, connected together by a link-connection, and a locking-bolt, E, connected to the tumbler C by a coupling, *c d*, substantially as shown and described.

2. The combination of the locking-bolt E, the vertical shaft or tumbler C, provided with eccentric journals, and connected, as shown, with the bolt E, and an operating-lever and tumbler, B, connected with the shaft or tumbler C, as shown and described.

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Witnesses:
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