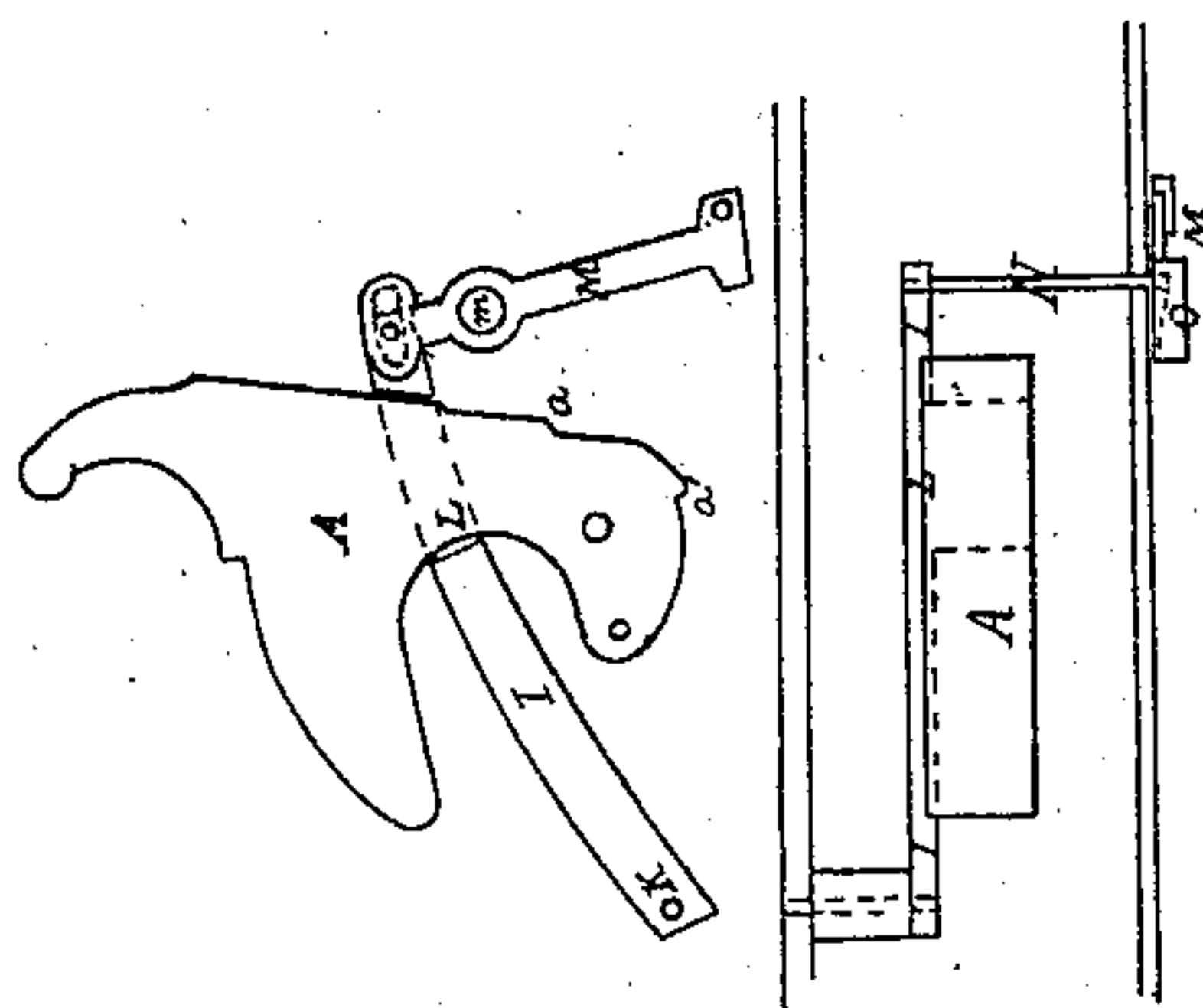
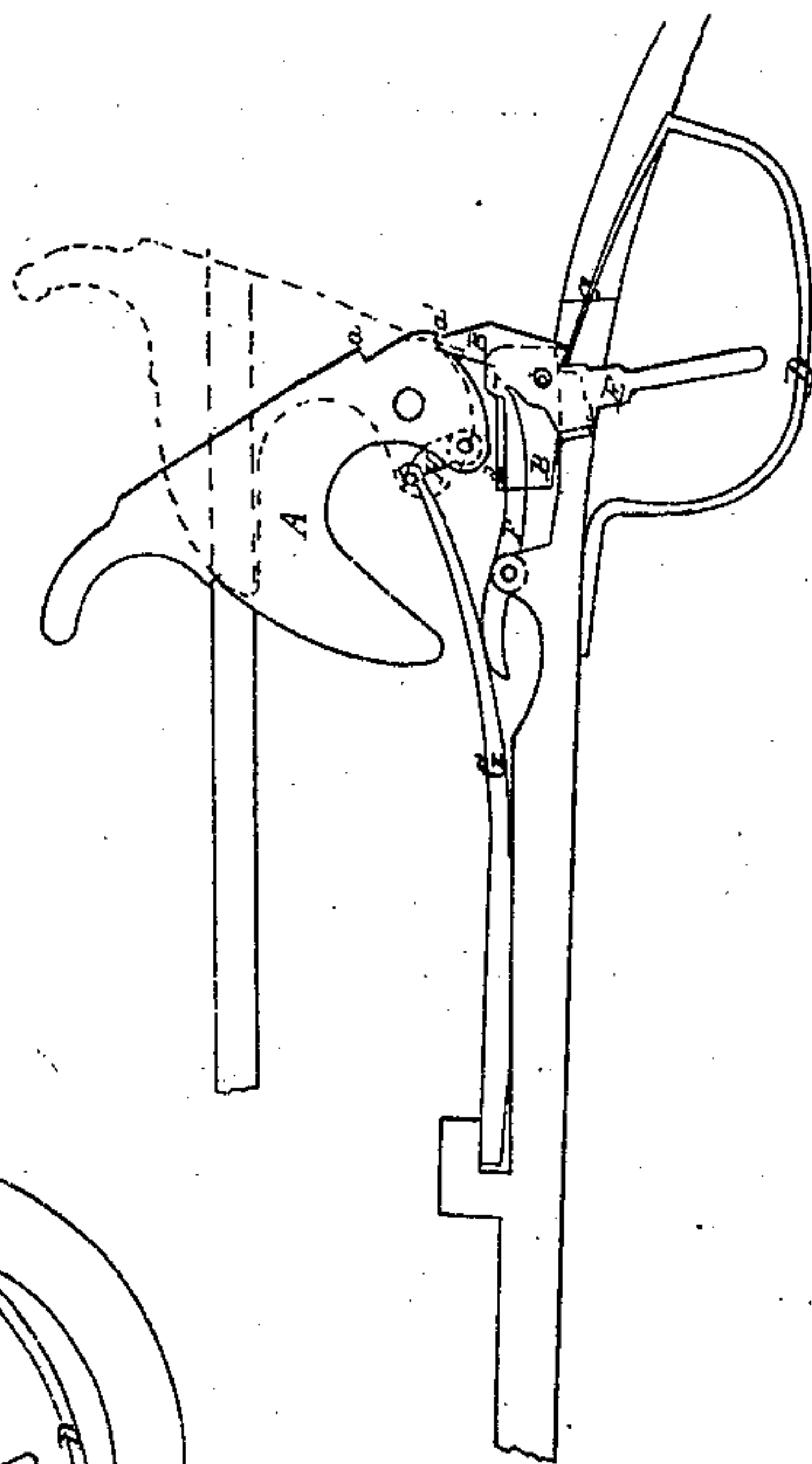
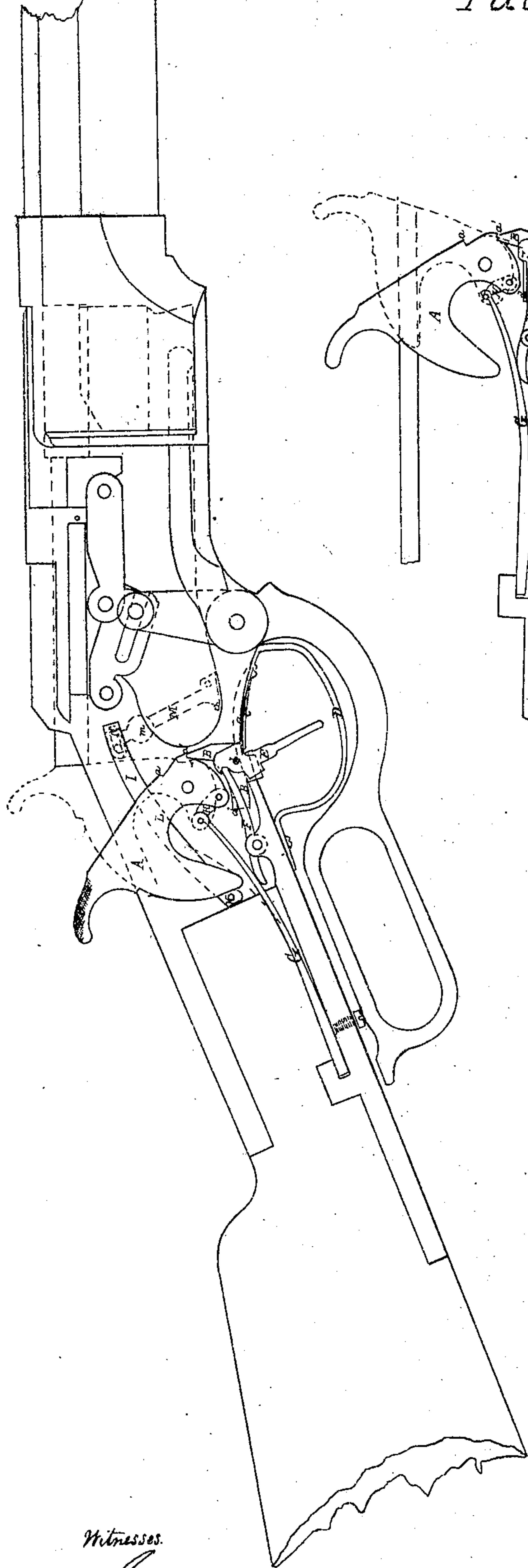


J. F. & W. M. Crabtree.

Gun-Lock

N^o 75248

Patented Mar. 10, 1868.



Witnesses.

Alonzo B. Atwell
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Inventor.

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United States Patent Office.

JOHN FRANKLIN CRABTREE AND WILLIAM NEWTON CRABTREE, OF VISALIA,
CALIFORNIA.

Letters Patent No. 75,248, dated March 10, 1868.

IMPROVEMENT IN GUN-LOCKS.

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

Be it known that we, JOHN FRANKLIN CRABTREE and WILLIAM NEWTON CRABTREE, of the town of Visalia, county of Tulare, State of California, have jointly invented a new and useful Self-Acting Hair-Trigger and Safety-Catch for Gun-Locks; and we do hereby declare that the following is a full, clear, and exact description of the operation and construction of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a section of the gun-lock, showing its position.

Figure 2, a detached detail of the hair-trigger; and

Figure 3, a detached detail of the safety-catch.

To enable others skilled in the art to make and use our invention, we will proceed to describe the construction and operation of the same, as follows:

We construct the hammer A of the lock with the small teeth or indentations at its lower part, as shown at *a a*, into which a pawl-piece, B, catches. This pawl-piece is hung on the pivot *b*, and is pressed against the hammer by a spring, *c c*, formed of a portion of a guard-piece, D. Upon the same pivot with the pawl the trigger E is swung. In this trigger the lever F catches, which is itself pressed downwards by the main hammer-spring G. This lever also catches under a projection, *d*, formed on the pawl-piece B.

The operation of our gun-lock is as follows: The pawl-piece B, swinging on the pivot *b*, is, by the action of the spring C, pressed against the hammer, and catching in the first indentation, *a*, the trigger E, swinging on the same pivot, is, by a separate spring, forced upon the lever F, which is kept down by the projection *d* on the pawl-piece B. The hammer is now set back to full cock, bringing the main-spring G down upon the small end of the lever, thus giving it a tendency to fly upwards and release the pawl-piece from the hammer, but is held from so doing by the trigger. The trigger, upon being set back, releases this lever, which, being acted upon by the main-spring, flies upwards, and, throwing back the pawl, the hammer is released and flies back, causing the discharge of the gun. The small lever F, being now released from the main-spring, resumes its former position by being pressed downwards by the projection *d* on the pawl-piece, which is acted upon by the spring C, and the trigger is again pressed upon it by the spring C, and the lock is again set, requiring only the hammer to be set back, thus bringing down the main-spring, to which it is connected by the link H, to again give the lever an upward tendency.

We also construct a spring-catch or fastening of steel, I, attached firmly to the side of the stock at K, and made to fit over the hammer at L. This piece has a tendency to set against the hammer, and keep the same immovable. We also construct a small piece, M, swinging on the pivot *m*, upon the outside of the cheek of the stock. This piece has its upper portion, an oblong and bevelled slot, O, into which a pin, N, attached to the spring-catch, plays.

The operation is as follows: The spring-catch, being set against the hammer, fits around it and holds the same immovable, when, by swinging the small lever M, and causing the inclined slot to act against the pin N and press it backwards, the spring-catch I is released from the hammer A, and the same is ready for cocking.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The pawl-piece B, in combination with the trigger E and the lever F, acted upon by the main-spring G.
2. The spring-catch I, in combination with the lever M, with the inclined oblong slot O, for the purposes described and in a manner substantially as set forth.

JOHN F. CRABTREE,
WM. N. CRABTREE,

Witnesses:

ALVA J. ATWELL,
F. W. BLAKE.