

(No Model.)

2 Sheets—Sheet 1.

T. G. BENNETT.
MAGAZINE GUN.

No. 545,766.

Patented Sept. 3, 1895.

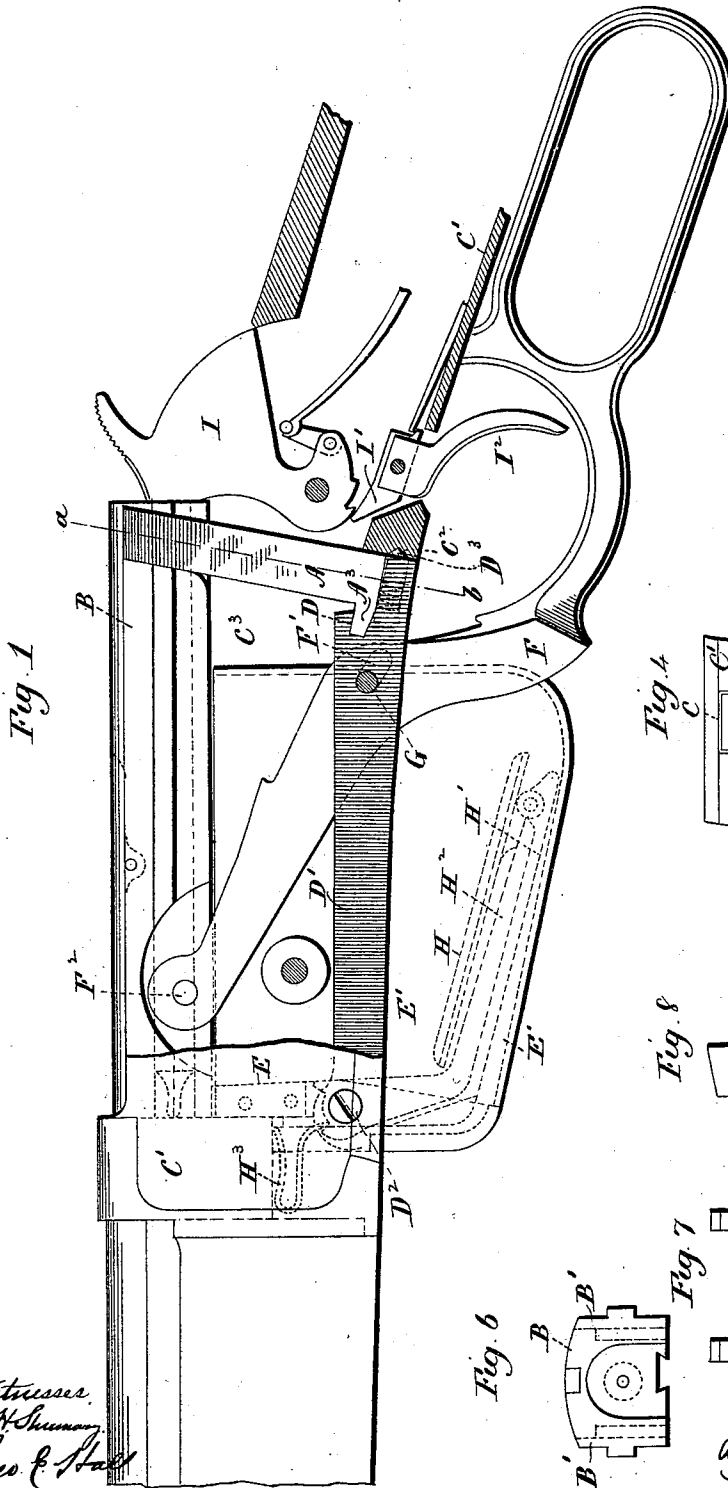


Fig. 1

Fig. 4

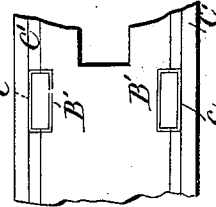


Fig. 8

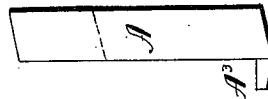


Fig. 6

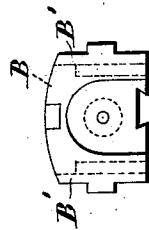
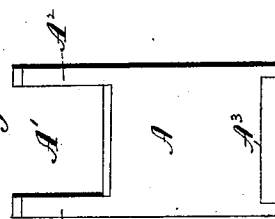


Fig. 7



Witnesses.
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Geo. E. Hall

Thomas G. Bennett.
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By Atty.
Earle Seymour

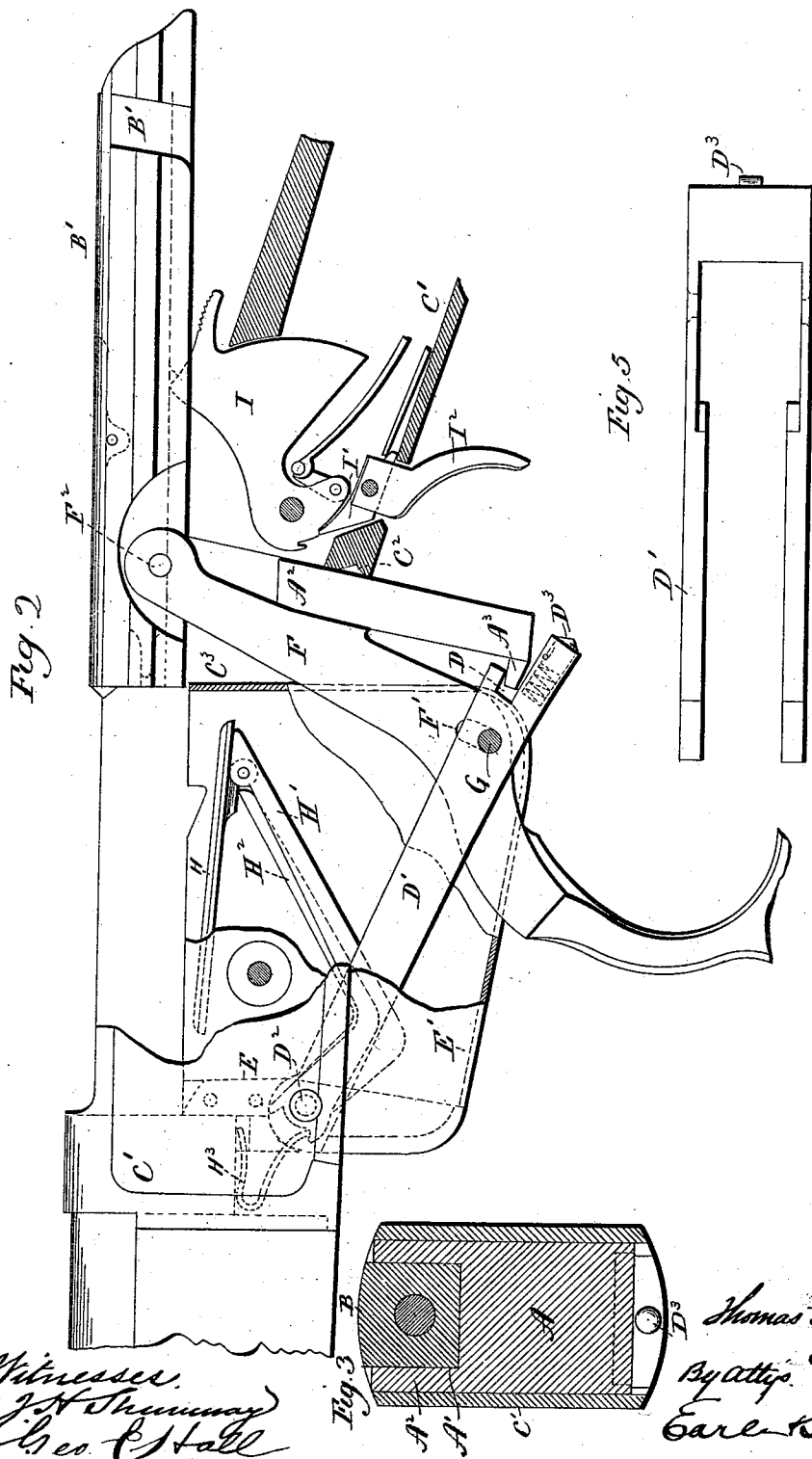
(No Model.)

T. G. BENNETT.
MAGAZINE GUN.

2 Sheets—Sheet 2.

No. 545,766.

Patented Sept. 3, 1895.



Witnesses.
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UNITED STATES PATENT OFFICE

THOMAS G. BENNETT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE
WINCHESTER REPEATING ARMS COMPANY, OF SAME PLACE.

MAGAZINE-GUN.

SPECIFICATION forming part of Letters Patent No. 545,766, dated September 3, 1895.

Application filed August 24, 1894. Serial No. 521,144. (No model.)

To all whom it may concern:

Be it known that I, THOMAS G. BENNETT, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Box-Magazine Breech-Loading Firearms; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view partly in side elevation and partly in central longitudinal section of a gun constructed in accordance with my invention and shown with its parts in their closed positions; Fig. 2, a similar, but less comprehensive, view of the gun with its parts in their open positions; Fig. 3, a view in vertical section through the breech-bolt and the recoil-block on the line *a b* of Fig. 1; Fig. 4, a broken plan view showing a portion of the receiver, the rear end of the breech-bolt, and the upper ends of the locking-arms of the recoil-block; Fig. 5, a detached plan view of the pivotal base-plate or link; Fig. 6, a detached view in rear elevation of the breech-bolt; Fig. 7, a similar front view of the recoil-block; Fig. 8, a view thereof in side elevation.

My invention relates to an improvement in that class of magazine firearms which have stationary box-magazines, as distinguished from tubular magazines, the object being to produce an arm of the type described combining simplicity and compactness with durability, convenience, and effectiveness.

With these ends in view, my invention consists in a box-magazine breech-loading firearm, having certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claim.

Inasmuch as my present invention relates particularly to the construction of the breech-bolt, the recoil-block, and the pivotal base-plate or link, I propose to particularly describe those parts and the parts more directly co-operating therewith, to the exclusion of a detailed description of the other instrumentalities of the arm.

As herein shown, the recoil-block A, Figs. 7 and 8, has its upper end centrally cut away

to form a large rectangular space A' and two corresponding parallel locking-arms $A^2 A^2$, the said space being adapted in its dimensions to receive the rear end of the horizontally-arranged longitudinally-movable breech-bolt B, and the said arms being adapted to extend upward into two rearwardly-inclined corresponding grooves $B' B'$, formed in the opposite side walls of the breech-bolt at the rear end thereof. When the recoil-block is in its elevated or closed position, the said locking-arms enter the said grooves and take the recoil produced by the explosion of the cartridges, while, on the other hand, when the recoil-block is in its depressed or open position, the said arms entirely clear the said grooves and permit the breech-bolt to be moved back into its open position and forward into its closed position. The recoil-block is maintained in place and guided in its up-and-down movement by the entrance of its edges and the outer edges of its said locking-arms into oppositely-located corresponding, rearwardly-inclined grooves C C, formed in the inner faces of the opposite walls of the frame C' and located in line with the grooves $B' B'$ in the breech-bolt when the same is in its closed position. By the term "receiver" I mean to include all of the frame of the gun except the upper and lower tangs thereof. At its lower end the recoil-block is provided with a horizontally-arranged forwardly-projecting toe A^3 , which takes into a horizontally-arranged slot D, formed in the rear end of the pivotal base-plate or link D' , whereby a flexible or articulated connection is made between the lower end of the recoil-block and the rear end of the said base-plate or link, the forward end of which is hung upon a horizontally-arranged screw-pivot D^2 , passing through the abutment-block E, forming the forward end of the box-magazine E' , and also through the side walls of the receiver. The said base-plate or link D' is bifurcated, as shown in Fig. 5, to embrace the box-magazine E' , which will not be particularly described herein. For the same purpose the finger-lever F, which is sometimes called the "trigger-guard," is also bifurcated. This finger-lever is articulated with the rear end of the base-plate or link D'

by means of two horizontally-arranged screw-pins G, mounted in the rear end of the plate and at their inner ends extending through inclined slots F', formed in the lever, the upper end of which is connected to the breech-bolt B by means of a horizontally-arranged pin F². The plate D' is provided at its extreme rear end with a spring-pressed friction-pin D³, which takes into a notch C², formed to receive it in the forward end of the lower tang C³ for holding the parts of the gun in their closed positions. Within the box-magazine I locate a carrier H, a carrier-arm H', and a lifting-lever H², the forward end of which is engaged by a spring H³, located in a chamber formed to receive it in the frame C'. The parts just mentioned have been fully described and claimed in another application executed of even date herewith, and do not therefore need detailed description in this case. The said arm is also provided with a hammer I, coacting with the sear I', which is operated by a trigger I², all of ordinary construction. The box-magazine, it will be understood, is located in a vertical chamber C³, formed for it in the frame C', and sufficiently wide to receive also the upper end of the finger-lever and the base-plate or link, both of which are bifurcated to embrace the magazine.

It is apparent that in carrying out my invention some changes from the construction herein shown and described may be made, and I would therefore have it understood that I do not limit myself to the exact construction herein shown and set forth, but hold myself at liberty to make such changes

and alterations as fairly fall within the spirit and scope of my invention. I do not, however, broadly claim the combination, with a breech-bolt, of a finger-lever connected therewith, a pivotal base-plate or link articulated with the finger-lever, and a recoil-block connected with the rear end of the said base-plate or link and coacting with the breech-bolt, as, broadly speaking, that combination of parts is old.

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

In a box-magazine breech-loading fire-arm, the combination with the frame thereof, of a box-magazine located in the said frame, a horizontally arranged reciprocating breech-bolt, a recoil-block adapted at its upper end to take into one or more grooves formed in the breech-bolt, a finger-lever bifurcated to embrace the box-magazine, and connected at its upper end with the breech-bolt which it actuates back and forth, and a base-plate or link hung by its forward end, bifurcated to embrace the box-magazine, and having its rear end articulated with the finger-lever, and also articulated with the lower end of the recoil-block which it moves up and down, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

THOMAS G. BENNETT.

Witnesses:

G. E. HODSON,
A. W. HOOPER.