

No. 693,639.

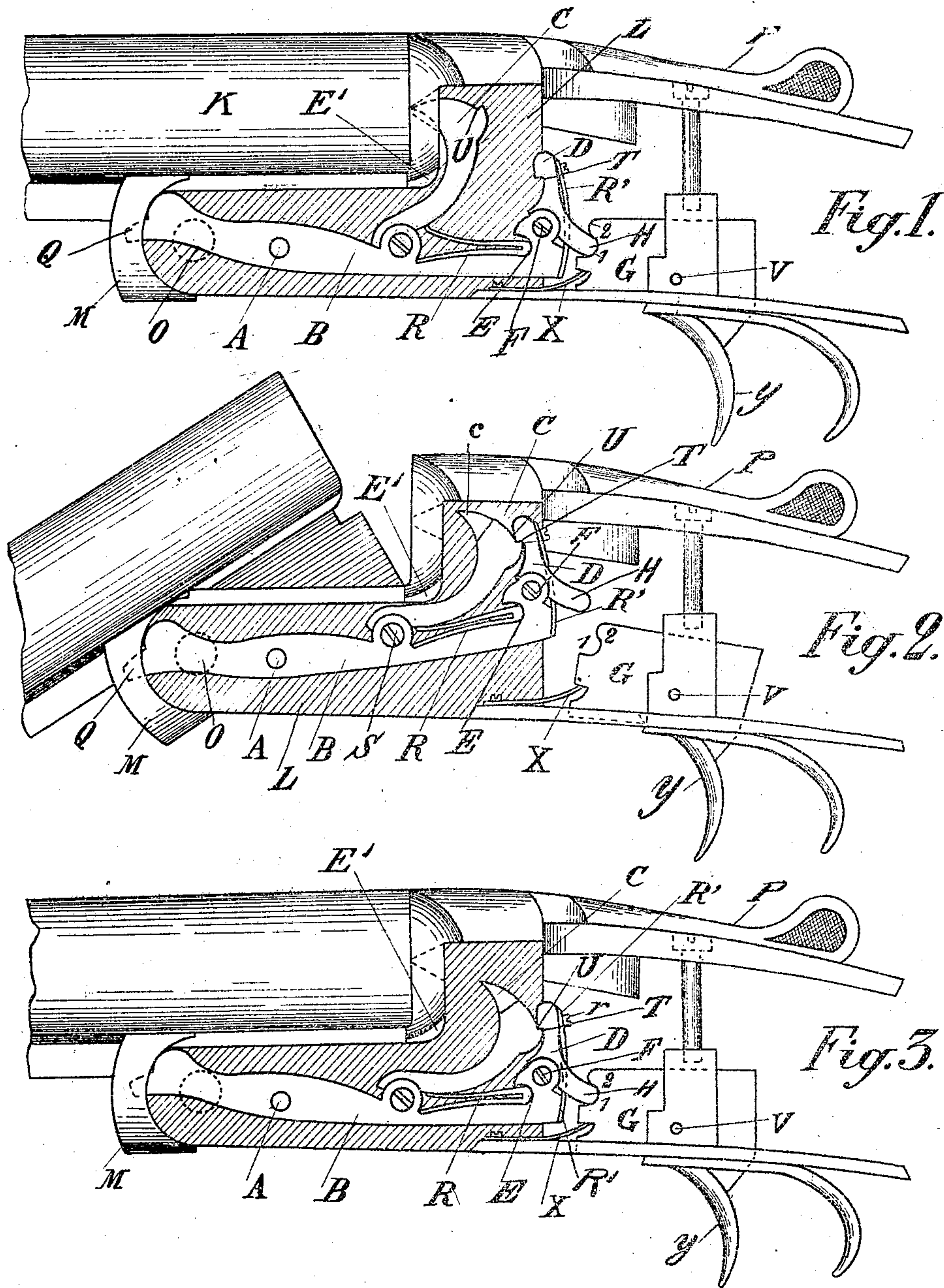
Patented Feb. 18, 1902.

C. P. CLEMENT.

CONCEALED HAMMER BREAKDOWN GUN.

(Application filed Mar. 28, 1901.)

(No Model.)



Witnesses:
F. F. Keller
J. A. Stewart

Inventor:
Charles P. Clement
By Edgar S. Hale & Co
Attorneys

UNITED STATES PATENT OFFICE.

CHARLES PHILIBERT CLÉMENT, OF LIÈGE, BELGIUM.

CONCEALED-HAMMER BREAKDOWN GUN.

SPECIFICATION forming part of Letters Patent No. 693,639, dated February 18, 1902.

Application filed March 28, 1901. Serial No. 53,354. (No model.)

To all whom it may concern:

Be it known that I, CHARLES PHILIBERT CLÉMENT, a subject of the King of Belgium, residing at 47 Rue Chery, Liège, Belgium, have invented certain new and useful Improvements in Concealed-Hammer Breakdown Guns, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide a concealed-hammer breakdown gun of a new and improved form and of an exceedingly simple and cheap form of construction which may be either of the single or double barreled type.

To such ends my invention consists, in substance, of a stock, a barrel or barrels pivoted to the stock, a trigger pivoted to the stock, a swinging bar pivoted to the stock in such manner that the same will be vibrated upon its pivot upon the opening and closing of the gun through the contact of its forward end with the fore-end piece of the gun, a hammer pivoted to the swinging bar, a mainspring for actuating the hammer carried by the swinging bar, and a spring-actuated sear pivoted to the swinging bar and adapted to lock the hammer in its retracted position upon the bar, all substantially as hereinafter more particularly described and claimed.

In the accompanying drawings, forming part of this specification, in which like characters of reference designate corresponding parts in the several views, Figure 1 is a side view, partially in section, of the trigger and lock carrier, forward portion of the stock, and the rear end portion of the barrel of a concealed-hammer breakdown gun of my improved form, the hammer and lock parts being shown in the position assumed by them the instant after firing. Fig. 2 is a view of the construction shown in Fig. 1, the gun being shown in the partially broken down or open position; and Fig. 3 is a like view of such construction in the closed position, the hammer being cocked and gun being ready for firing.

In the drawings, K designates the barrel or barrels of my improved breakdown gun, and L the metallic forward portion of the stock, M being the fore-end piece secured to the under side of the barrel or barrels, such stock and barrels being secured together by means

of a pivot O in the well-known manner and provided with a locking mechanism of any desired form by which the same may be secured in the closed or firing position, (shown in Fig. 1,) which locking mechanism is usually actuated by a top lever P.

Pivoted to the portion L of the stock upon a pivot A is a swinging bar B, usually of the form shown, provided with a tang Q at the forward end fitting in a slot in the fore-end piece M in such manner that the vibration of the barrel or barrels K upon the pivot O in the act of breaking down or opening the gun will vibrate the swinging lever B, so that the forward end will be pressed downward and the rear end upward into the position shown in Fig. 2.

Pivoted to the swinging lever B rearward of the pivot A upon a pivot S is a hammer C, provided with the firing-point c, the point of which when in the fired position (shown in Fig. 1) projects through a cavity in the breech-block of the gun, so as to contact with the primer of the cartridge-shell to fire the same, although sometimes the point c may be omitted and such hammer be provided with a flat hammer-face adapted to contact with the rear end of a firing-pin of the well-known form located at the point of such cavity. Located between the hammer C and the swinging bar B, between the lug carrying the pivot-screw S, upon which the hammer C is pivoted, and a cavity E in the extreme rear end of the swinging bar, is a two-prong mainspring K, the forward ends of which bear one upon the bar and the other upon the hammer in such manner as to keep the same normally forced away from the bar and into the position shown in Fig. 1.

Pivoted upon a pivot-screw F at the extreme rear end of the swinging bar B is a sear D, provided with a rearwardly-extending tripping end H, adapted to fit into the cavity 1 below the rounded top end projection 2 of the trigger-plate G, such sear D being provided at its forward end with a catch-shoulder T, adapted to coact with the catch-lug U, formed upon the hammer, the sear D being normally forced into the locking position by a spring R', secured thereto by means of a screw r, the lower end of which spring R' rests against the extreme rear end of the

swinging bar B. The trigger-plate G is pivoted upon a suitable pivot V and is provided with a finger or trigger piece Y of the well-known form, and the forward end thereof is normally kept pressed upward, so as to throw the trigger Y forward by means of a suitable spring X. As will be seen, this construction is applicable to either single or double barreled guns. As shown, such gun is double barreled, and the lock upon the right side is exactly similar to that upon the left side shown herein; but inasmuch as the same are duplicates in construction it has not been deemed necessary to show more than one herein.

15 A transverse bar E' extends across the space in which the hammer operates, and the parts of the mechanism after the gun has been fired are, as will be understood, in the position shown in Fig. 1. If now the gun be broken down or opened, as shown in Fig. 2, the action of the fore-end piece M upon the lug Q of the swinging bar B will vibrate said bar upon the pivot A, so as to force the forward end thereof downward and the rear end upward. In this operation the hammer U strikes the bar E', and said hammer is forced backwardly until it engages the sear D, as shown in Fig. 2, when upon the closing of the gun, as shown in Fig. 3, the rear end of the swinging bar B will be forced downwardly and carry with it the sear D and hammer C, and the sear D will engage the trigger-plate G, and the parts will be in position for again firing the gun, which is done by pulling the finger or trigger piece Y, which results in the consequent forcing forwardly and downwardly of the end of the sear and the release thereby of the hammer C, when such hammer will be thrown forward by the spring R.

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

1. In a gun-lock for breakdown guns, the combination with a swinging bar pivotally supported in the gun-stock and longitudinal thereof and the rear end of which is adapted to be raised by the breaking down of the gun, of a spring-actuated hammer pivotally con-

nected with said bar rearwardly of its pivotal support, a cross-bar ranging forwardly of and over said hammer, a spring-actuated sear pivotally connected with the rear end of said pivoted bar and adapted to engage said hammer and a trigger-plate which said sear is also adapted to engage, substantially as shown and described.

2. In a gun-lock for breakdown guns, the combination with a swinging bar pivotally supported in the gun-stock and longitudinal thereof and the rear end of which is adapted to be raised by the breaking down of the gun, of a spring-actuated hammer pivotally connected with said bar rearwardly of its pivotal support, a cross-bar ranging forwardly of and over said hammer, a spring-actuated sear pivotally connected with the rear end of said pivoted bar and adapted to engage said hammer and a trigger-plate which said sear is also adapted to engage, said trigger-plate being also provided with a spring by which the front end thereof is normally thrown upwardly, substantially as shown and described.

3. In a breakdown gun a bar pivoted longitudinally of the stock beneath the rear end of the barrel and the front end of which is adapted to be engaged and depressed by the breaking down of the barrel, a hammer pivotally connected with said bar rearwardly of its said support, a stationary cross-bar located above and rearwardly of the pivotal connection with the hammer, a mainspring located between the rear end of said pivoted bar and said hammer, a sear pivotally connected with the rear end of said bar and adapted to engage said hammer, a trigger-plate mounted rearwardly of said sear and which said sear is also adapted to engage and a spring for raising the forward end of the trigger-plate.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CHARLES PHILIBERT CLEMENT.

Witnesses:

P. DEPAIFRE,
D. ELIUS.