

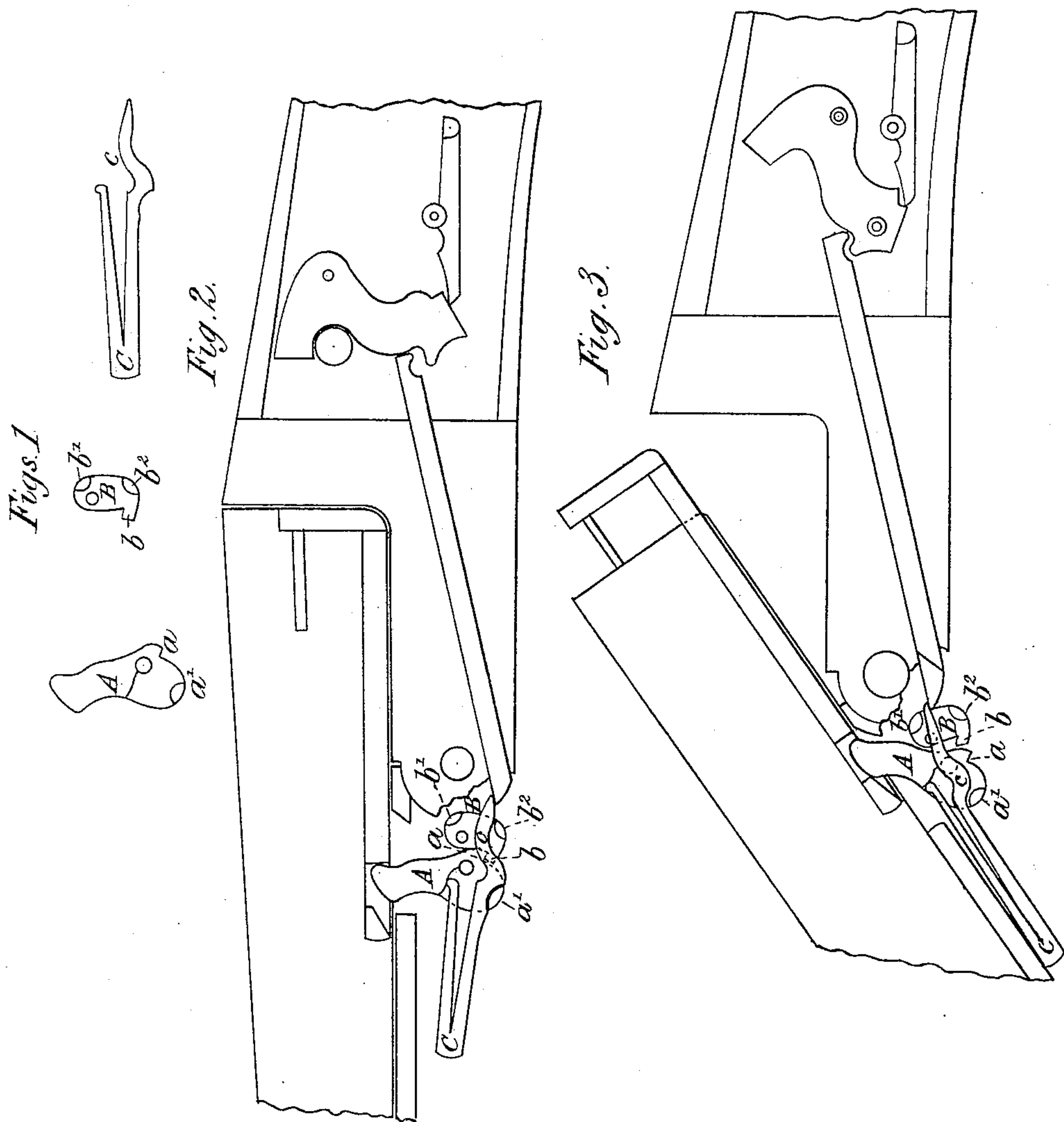
(No Model.)

T. PERKES.

EJECTOR MECHANISM FOR BREAKDOWN GUNS.

No. 467,301.

Patented Jan. 19, 1892.



Witnesses.
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UNITED STATES PATENT OFFICE.

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EJECTOR MECHANISM FOR BREAKDOWN GUNS.

SPECIFICATION forming part of Letters Patent No. 467,301, dated January 19, 1892.

Application filed March 24, 1891. Serial No. 386,284. (No model.)

To all whom it may concern:

Be it known that I, THOMAS PERKES, a subject of the Queen of Great Britain, residing at 70 Osnaburgh Street, Regent's Park, London, England, have invented new and useful Improvements in Breech-Loading Small-Arms, of which the following is a specification.

My invention relates to improvements in that class of breech-loading small-arms known as "ejector-guns;" and the object of my improvements is to provide for imparting a return motion to the ejecting-lever, thus facilitating the closing of the gun. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figures 1 are detail views of the ejecting-lever A, catch B, and ejector-spring C, all hereinafter particularly described. Fig. 2 is a side elevation of a portion of an ejector-gun having the external casing removed and showing my invention applied to the ejecting mechanism, and the position of the various parts of such mechanism when the gun is closed. Fig. 3 is a similar view showing the position of the various parts of such mechanism when the gun is opened to eject the spent cartridge.

Similar letters refer to similar parts throughout the several views.

A is the ejecting-lever, having a bent *a* and projection *a'* formed thereon.

B is the catch, having a nose *b* and two projections *b'* *b*² formed thereon.

C is the ejector-spring, having an extension *c* formed on its stand-arm. Such extension is made of any convenient shape to suit the particular construction of gun to which the ejector-spring is fitted.

The ejecting-lever A and catch B are pivoted on the fore-end of the gun and are relatively placed in such a position with respect to each other that when the gun is closed, as shown in Fig. 2, the extension on the stand-arm of the ejector-spring comes in contact with the projection *b*², thus causing the nose *b* to take into the bent *a* and hold the ejecting-lever in a neutral position. The ejector-spring C is mounted on the fore-end in the

ordinary way. When the gun is opened after being fired, the extension *c* is compressed upward by the cocking-rod or in any other convenient manner, thus bringing it in contact with the projection *b'*, whereby the nose *b* is withdrawn from the bent *a*, thereby releasing the ejecting-lever, which then propels the extractor and so ejects the spent case. While the spent case is being ejected the projection *a'* engages with the extension on the stand-arm of the ejector-spring, whereby on closing the gun a return motion is imparted to the ejecting-lever by the gradual expansion of the ejector-spring as it is freed from compression, and the extension *c* coming in contact with the projection *b*² on the catch B causes the nose *b* to re-engage with the bent *a* on the ejecting-lever, and so hold it in a neutral position in the manner already described.

I am aware that in that class of breech-loading small-arms known as "ejector-guns" the combination of an ejector-spring, ejecting-lever, and catch has already been in use. I therefore make no claim to such combination, broadly.

What I claim, and desire to secure by Letters Patent of the United States, is—

The combination, with the pivoted ejector-lever provided with the bent *a* and the projection *a'*, of the pivoted catch provided with two lateral projections and a nose *b*, adapted to engage with the bent *a*, and the spring C, adapted to operate the ejector-lever and to engage with the projection *a'*, the said spring having an extension *c* projecting between the two projections on the said catch and adapted to be operated by the cocking-rod and to turn the said catch on its pivot, whereby the said ejector-lever may be operated in both directions by the spring C, substantially as and for the purpose set forth.

THOMAS PERKES.

Witnesses:

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