

UNITED STATES PATENT OFFICE.

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BREECH-LOADING FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 303,851, dated June 24, 1884.

Application filed January 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. DAVENPORT, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Cocking Devices for Breech-Loading Fire-Arms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

My present invention relates to improvements in breech-loading fire-arms of the double-barrel type; and it consists of a rod or connection, the forward end thereof adapted to extend through the frame and forward of the swivel, and engage with a cam-shaped opening in the "fore-wood strap," the opposite end of said rod adapted to engage with the hammer, whereby the operation of opening the gun cocks the hammer thereof, all as will be more fully hereinafter set forth.

In the accompanying drawing is represented a longitudinal section through the front barrel and frame of a double gun, showing my improved device for cocking the hammer, the latter shown in position ready for firing, the gun shown being of the top snap-lever pattern, the locking-bolt and its connections, however, not being shown, as they do not constitute any part of my present invention.

The following is a detailed description of said invention and the manner of operating the same.

A in the drawing represents the frame, provided with an opening, A³, to receive the lock-plate, &c., as common.

A² represents an opening (under each barrel) in said frame and forward of the hammer, wherein is located the spring, &c., of said device, as fully shown.

C represents a rod or connection, its forward end, C³, adapted to engage with the inclined or cam-shaped surface C⁴ of the fore-wood strap H', and forward of the swivel, as shown. The opposite end of the rod C is provided with a square coupling or head, C', into which is

screwed the rod C² at C⁶, the rear end, Z, thereof being adapted to engage with the hammer H for cocking the same.

d represents a spring which is adapted to keep the end C³ of said rod C in contact with the cam C⁴. The sides of the square coupling C' are fitted laterally inside the opening A², and serve to prevent the rod from turning.

The barrels H² are adapted to be locked by a sliding bolt operated by the top snap-lever, R, as common to this class of fire-arms, said connections not being shown, as deemed unnecessary to this specification. The firing-pin W, hammer K, sears F F', and their connections are also as common. Therefore a description of these elements is considered unnecessary.

The following is the manner of operating the double gun herein shown, as provided with my invention. Assuming the hammer H to be in position against the firing-pin W, after exploding the cap, (partly shown by broken lines,) the top lever, R, is pushed back toward the right, which movement withdraws the locking-bolt from the lugs of the barrel, and allows it (the barrel) to be opened. Now, while the barrel is being thus opened the cam-shaped surface C⁴ of the fore-wood strap H' engages with the end C³ of the connection C, and forces the rear end, Z, thereof against the front edge of the hammer H until full-cock is reached, the spring d in the meantime being compressed. In closing the barrel, the said spring d forces the connection C against the cam C⁴ until the barrel is fully closed, as shown, the end Z of the connection being correspondingly removed from contact with the hammer, thereby allowing the latter to be tripped, and completing the operation. By means of the threaded portion C⁶ of the rod C², I am enabled to take up the wear of the parts as well as to accurately to adjust the same.

I am aware that it is not new, broadly, to lift the hammer by means of a rod and cam; but I do not know that device herein shown, the or its essential equivalent, has ever before been made or used.

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

1. In a breech-loading double fire-arm, the

hammer-cocking device for each barrel herein described, consisting of the rod C, provided with the head C', rod C², and spring d, the latter engaging with said head C', in combination with the cam C⁴ at the rear of the fore-wood strap, the whole being located in the frame beneath the barrel and connected, whereby the operation of opening the barrel cocks the hammer, substantially as shown and set forth.

2. In a breech-loading double fire-arm provided with hammer H, and fore-wood strap

H', having a cam-shaped opening, C⁴, therein, the combination therewith of the herein-described cocking device, consisting of the rod C, coupling C' C², and spring d, the whole arranged and operated substantially as shown and specified.

In testimony whereof I have affixed my signature in presence of two witnesses.

WM. H. DAVENPORT.

Witnesses:

GEO. H. REMINGTON,
CHARLES HANNIGAN.