(No Model.)

J. JENSEN.

BREECH LOADING GUN.

No. 418,951. Patented Jan. 7, 1890.

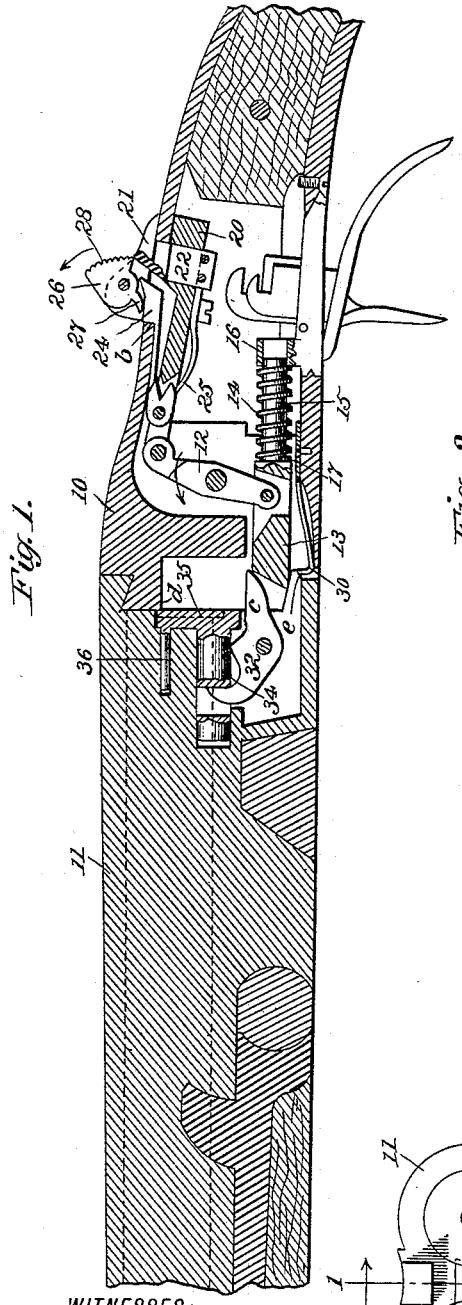

Fig. 1.

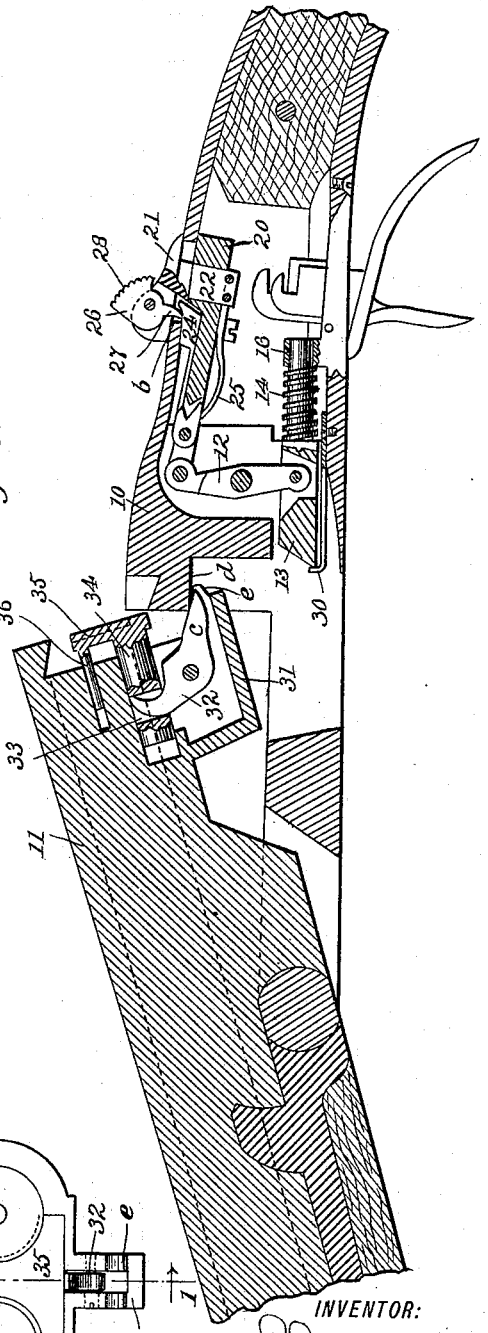

Fig. 2.

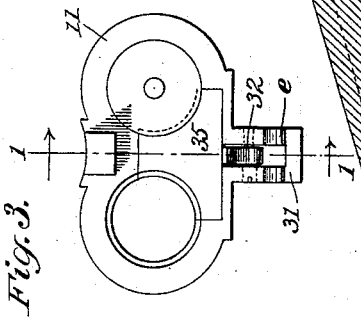

Fig. 3.

WITNESSES:

J. A. Griswell

C. Sedgwick

INVENTOR:

J. Jensen

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES JENSEN, OF PARK PLACE, ARKANSAS.

BREECH-LOADING GUN.

SPECIFICATION forming part of Letters Patent No. 418,951, dated January 7, 1890.

Application filed July 27, 1889. Serial No. 318,884. (No model.)

To all whom it may concern:

Be it known that I, JAMES JENSEN, of Park Place, in the county of Lee and State of Arkansas, have invented a new and Improved Breech-Loading Gun, of which the following is a full, clear, and exact description.

This invention relates to breech-loading guns, the main objects of the invention being to provide for the secure locking of the gun-barrels when such barrels are moved to the firing position, to provide for the holding back of the retaining-bolt after such bolt has been withdrawn to release the barrels, and to improve the action of the extractor.

To the ends named the invention consists, essentially, of a barrel formed with a projection, a bolt arranged to engage said projection, a spring arranged in connection with the bolt, a catch by which the bolt is held in the retracted position, a slide, a catch arranged in connection therewith, a thumb-piece arranged in connection with the catch and carried by the slide, and a lever that is connected to the slide and to the bolt, all as will be hereinafter more fully described, and specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a central sectional view of my improved breech-loading gun, the parts being represented as they appear when the barrels are in the firing position. Fig. 2 is a similar view, the parts, however, being represented as they appear when the barrel has been moved to the extracting and loading position, Figs. 1 and 2 being taken on line 1 1 of Fig. 3; and Fig. 3 is a view of the butt-end of the barrel, representing the same as it appears when removed from the stock.

In the drawings, 10 represents the action-frame and 11 the barrels. Within the frame 10, I mount a lever 12, the lower end of said lever being pivotally connected to a locking-bolt 13, which is normally held in the position in which it is shown in Fig. 1 by a spiral spring 14, said spring being coiled about a rearwardly-extending stem 15, that is made integral with or rigidly connected to the bolt 13, the spring abutting against a stop 16, and against a shoulder 17, formed upon the bolt. The upper end of the lever 12 is pivotally connected to a slide 20, to which there is secured a bracket 21, said bracket being arranged upon the outside of the frame and being connected to the slide by means of a downwardly-extending projection 22.

To the slide 20 there is pivotally connected a catch 24, which is normally held in the position in which it is shown in Fig. 1 by a spring 25, and just above the rear end of the catch 24, I mount a thumb-piece 26, said thumb-piece being supported within a slot formed in the bracket 21, and being formed with a downwardly-extending spur 27, which bears against the upper face of the catch 24, and with a milled or serrated face 28, against which the thumb of the operator is placed.

Beneath the bolt 13, I arrange a catch-spring 30, the purpose of which will be hereinafter explained. The gun-barrels 11 are formed with a downwardly-extending and recessed projection 31, in which there is mounted a bell-crank lever 32, one arm of said lever extending to the rear, while the other arm enters a slot 33, that is formed in the main stem 34 of the extractor 35, the extractor being guided by an auxiliary stem 36, which rides in a proper aperture formed in the filling between the barrels. We will suppose the parts to be in the position in which they are shown in Fig. 1. Then, if the thumb-piece 26 be moved in the direction of the arrow shown in connection therewith, the projection 27 will be carried downward and will act to throw the catch 24 from engagement with a shoulder *b*, that is formed upon the frame 10, any continued pressure upon the thumb-piece acting to move the slide 20 toward the barrels, and as the slide so moves the lever 12 will be rocked, as indicated by the arrow shown in Fig. 1, and the bolt 13 will be moved backward out of engagement with the barrel projection 31, the bolt being caught by the spring-catch 30 after it has been thrown fully inward, and the parts being held in the position in which they are shown in Fig. 2. After the bolt has been withdrawn the barrels may be tilted as indicated, and as they are so tilted the projection *c* of the lever 32 will bear against the frame-shoulder *d* and the lever will be rocked, and in rocking will

force the extractor outward to the position in which it is shown in Fig. 2. In returning the barrels to their normal positions the shoulder *e*, formed on the barrel projection 31, will strike against the upwardly-extending section of the catch-spring 30 and will force said spring downward, thus permitting the spring 14 to act to draw the bolt 13 forward and into engagement with the rearwardly-extending section of the projection 31.

By means of the construction above described I obtain a perfectly secure locking of the barrels in the firing position, and I provide for the easy closing of the barrels after they have been moved to the loading position, inasmuch as I am not required to force the bolt 13 back against the tension of its spring 14.

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

1. In a breech-loading gun, the combination, with a barrel formed with a rearwardly-extending projection, and a spring-actuated bolt for engaging the said projection, of a slide, a pivoted lever having one end connected to the bolt and its other end to the slide, and a spring-actuated catch carried by the slide and locking it against forward movement, substantially as described.

2. In a breech-loading gun, the combination, with a barrel provided with a rearwardly-extending projection, a spring-actuated bolt for engaging the projection, and mechanism for retracting the bolt, of a spring for engaging the bolt when retracted and holding the same, the said spring being adapted to be engaged by the projection of the barrel to cause it to release the said bolt, substantially as described.

3. In a breech-loading gun, the combination, with a locking-bolt and its spring, of a lever pivotally connected to the bolt, a slide connected to the lever, a spring-actuated catch carried by the slide, a bracket connected to the slide, and a thumb-piece connected to the bracket and formed with a projection which bears upon the catch, substantially as described,

4. In a breech-loading gun, the combination, with the barrels, of a bell-crank lever 32, an extractor formed with a main stem that is engaged by one arm of the said lever, and a frame projection against which the other arm of the lever bears when the barrel is tilted, substantially as described.

JAMES JENSEN.

Witnesses:
M. E. FAIRFIELD,
JASPER NUTON KEEBLER.