J. BLUEMEL.

Breech-Loading Fire-Arms.

No. 210,905. Patented Dec. 17, 1878.

Fig. 1.

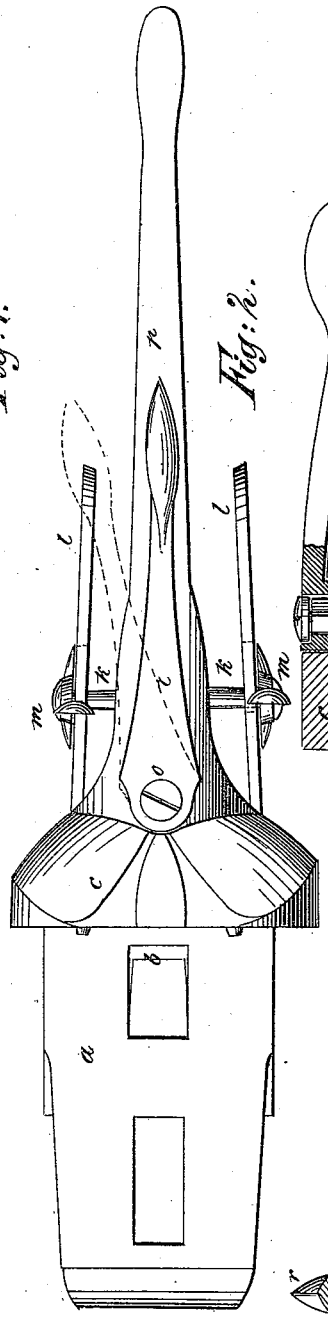


Fig. 2.

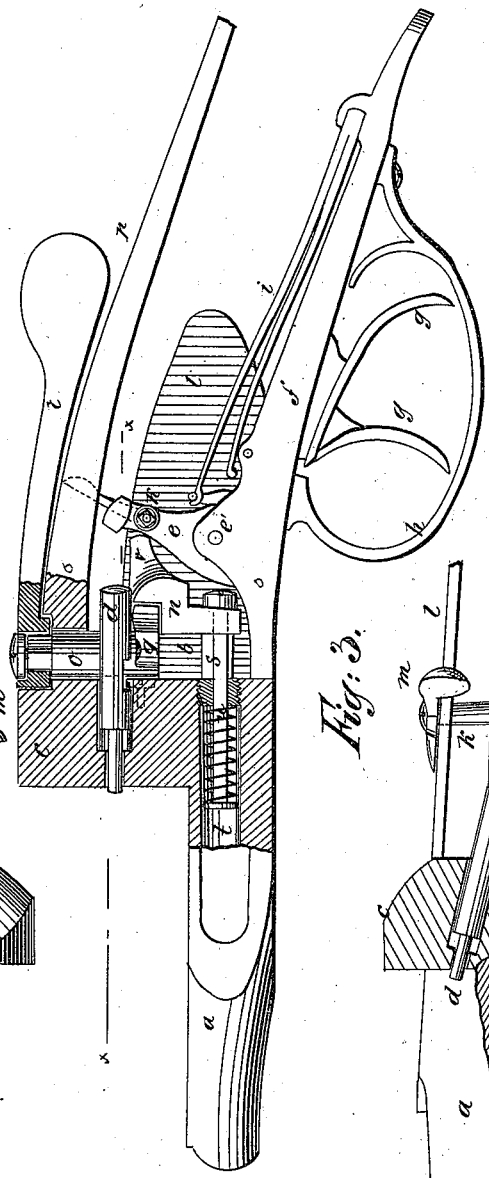


Fig. 3.

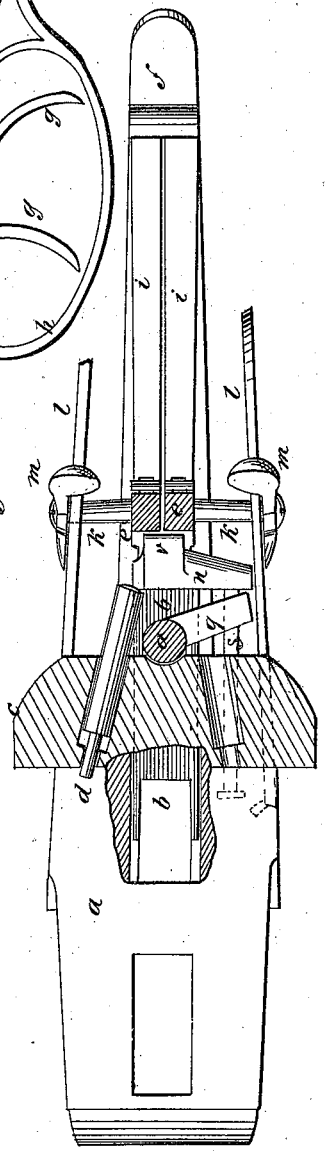
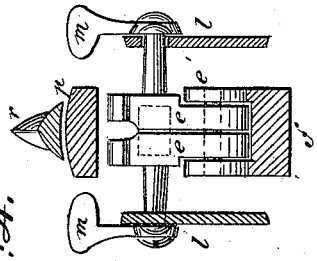


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JULIUS BLUEMEL, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. **210,905**, dated December 17, 1878; application filed October 4, 1878.

To all whom it may concern:

Be it known that I, JULIUS BLUEMEL, of San Francisco, in the county of San Francisco and State of California, have invented certain new and Improved Actions for Breech-Loading Guns, of which the following is a specification:

The object of my invention is to obtain rapidity in loading and firing shot-guns and rifles, and prevent liability of accidental discharges.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the accompanying drawing, Figure 1 is a plan view of my improved action. Fig. 2 is a side view, partially in section, showing the hammers cocked. Fig. 3 is a sectional plan on line *x x*, and Fig. 4 is a cross-section.

Similar letters of reference indicate corresponding parts.

a represents the plate to which the barrels (not shown) are hinged, so as to be tilted for inserting the cartridge, and *b* is the latch for retaining the barrels in place for firing. *c* is the breech-block, and *d d* the firing-pins. These parts are of usual construction.

e e are the hammers, that are hung on a pivot, *e'*, entering upward projections from the arm *f*, that carries the triggers *g g* and trigger-guard *h*, as usual. *i i* are the hammer-springs. *k k* are pins formed or connected with the hammers *e e* at the side of the same, and extending through slots in the side plates, *l l*, at each side. The outer end of the pin *k* of each hammer carries a thumb-piece, *m*, by which the hammers may be set separately at full or half cock.

The latch-piece *b* extends through the plate *a* to the space behind the breech-block *c*, and in front of hammers *e*, where the latch-piece is formed with an upward-extending flange, *n*.

o is a pin fitted vertically in the arm *p*, and formed at its lower end with a toe, *q*, that sets against a shoulder in the flange *n* of the latch-piece *b*. At the upper end of the pin *o*, above the arm *p*, is a lever, *r*, by which the pin *o* may be revolved and the toe *q* operated to draw back the latch *b*.

A pin, *s*, connected to a side flange of latch-piece *b*, works in a hole, *t*, in plate *a*, and is acted upon by a spiral spring, *u*, to return the latch *b* forward, and return the lever *r* to place as soon as lever *r* is released.

The flange *n* of the latch-piece *b* is extended back at its upper end in the form of a toe, *v*, which, when the hammers *e e* are down and the latch in place for holding the barrels, rests contiguous to the hammers *e e*. When the outer end of lever *r* is moved to the right, as shown by dotted lines in Fig. 1, the latch *b* is drawn back, as described, and the toe *v*, pressing upon the hammers, sets them first at half-cock, and then at full-cock, if lever *r* is moved far enough. (See Figs. 2 and 3.)

The relative size and position of the parts is such that the lever *r* may be moved far enough to move the latch and release the barrels, so they may be loaded, and the hammers will be brought to only half-cock. A further movement of lever *r* in the same direction will full-cock both hammers; but the breech cannot be opened without half-cocking. The hammers cannot be sprung when at half-cock, and the accidental discharge of the gun in consequence of neglect to half-cock the hammers after loading is prevented.

This arrangement also assists the rapid loading of the gun, as it is not necessary to half-cock each hammer by a separate movement before the gun can be loaded.

In case of emergency the lever *r* can be moved far enough to full-cock the hammers at the same time the latch *b* is released.

The hammers can each be brought to full-cock, as desired, by its thumb-piece *m*.

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

The combination, in a fire-arm, of the hammers *e*, provided with pins *k*, extending through slots of plates *l l*, the latch-piece *b*, having upwardly-extended shouldered flange *n*, and the spring-piece *s*, the arm *p*, having pin *o* and toes *q v*, and the lever *r*, all arranged as shown and described.

JULIUS BLUEMEL.

Witnesses:
W. GEBHARDT,
JACOB VELTE.