H. BEISHEIM.

Air-Guns.

No. 151,953. Patented June 16, 1874.

Fig 1.

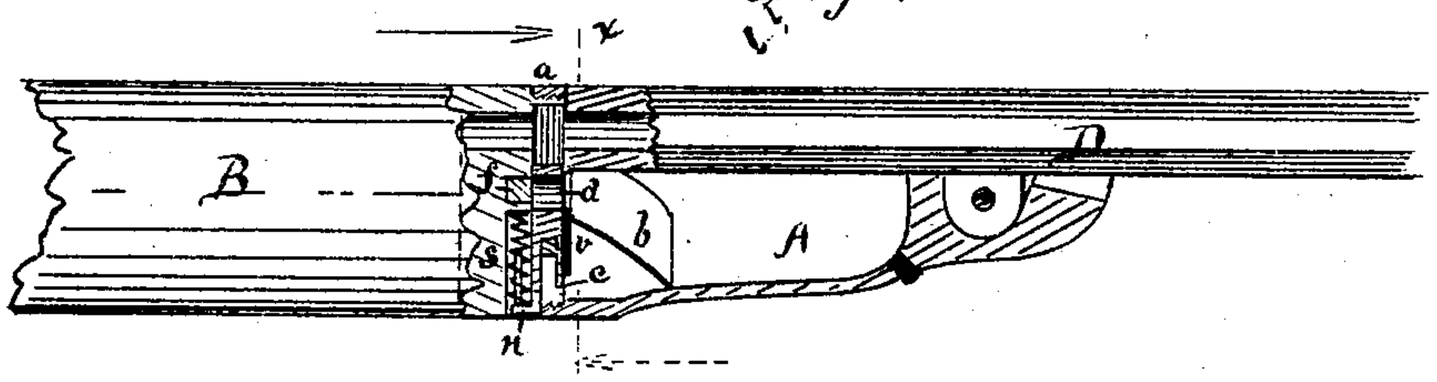

Fig 2.

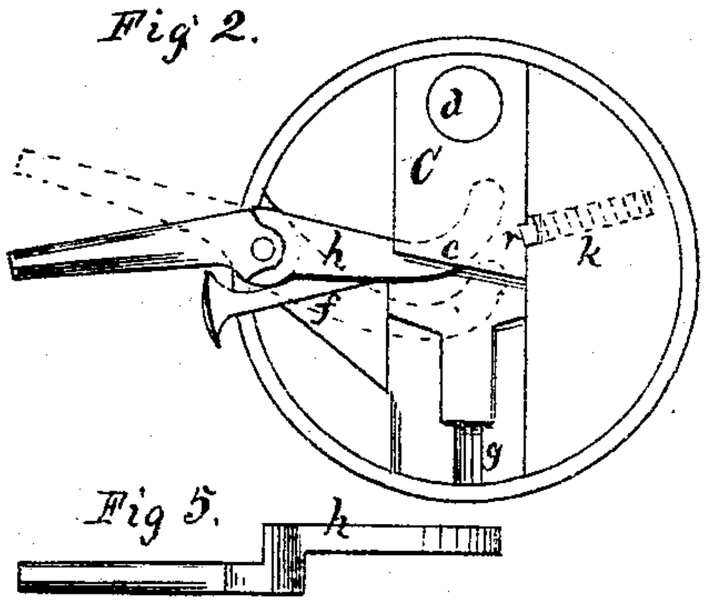

Fig 3.

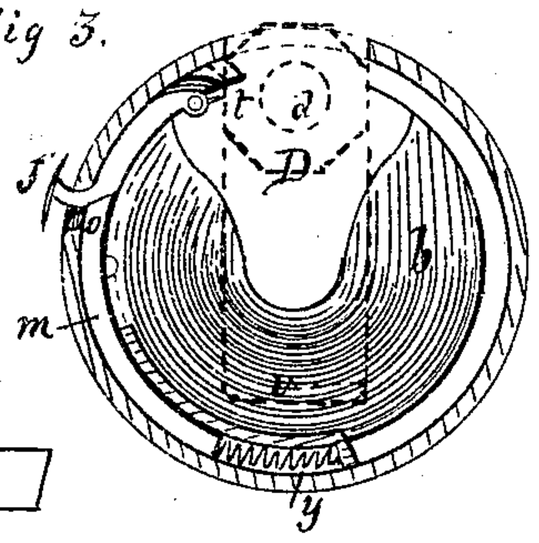

Fig 5.

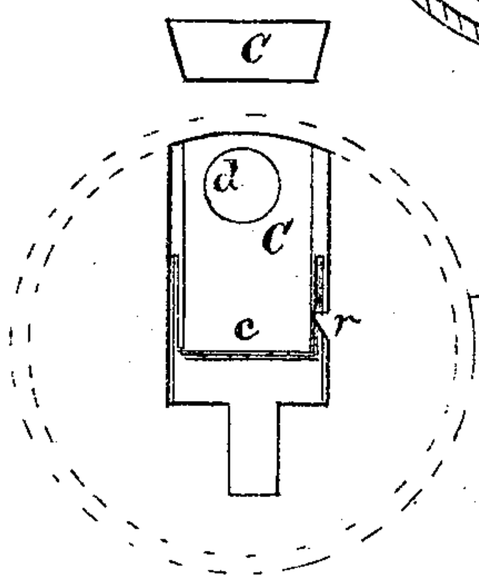

Fig 4.

Witnesses.

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UNITED STATES PATENT OFFICE.

HENRY BEISHEIM, OF ROCHESTER, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO A. W. TURNBULL, OF SAME PLACE.

IMPROVEMENT IN AIR-GUNS.

Specification forming part of Letters Patent No. **151,953**, dated June 16, 1874; application filed February 17, 1874.

To all whom it may concern:

Be it known that I, HENRY BEISHEIM, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Air-Guns; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a sectional side view of the air-pump barrel B, and of the barrel D, having my invention attached. Fig. 2 is an end view on the dotted line *x*, looking in the direction of the dotted arrow. Fig. 3 is a transverse section on the same line, looking in the direction of the full-line arrow. Fig. 4 is a detached view of the sliding charger C, slightly modified in form. Fig. 5 is an inverted view of lever *h*.

The nature of this invention consists in providing a sliding charger for this class of guns, which is thrown up by a lever, and is returned, when released, by a spring.

The stock A is threaded to screw onto the end of the pump-barrel, as shown at *a*. This stock is provided with a fixed funnel-plate, *b*, which acts to guide the balls to the opening *d* in the charger C, when in the position shown in Fig. 1. The charger is fitted to a vertical dovetailed groove in the end of the pump-barrel B, and is provided with a lug, *n*, Fig. 1, which reaches into the groove *g*, Fig. 2. The spiral spring *s* is retained in place at the lower end by means of a short steady-pin fixed in the lug. The lower end of the charger is bifurcated, as shown in Fig. 1, the lip *c* acting as a guard to prevent the balls in the magazine from coming in contact with the lever *h*, or other working-parts, when the charger is in its upward position, as shown in Fig. 1, to deliver a ball. The charger is thrown up by the lever *h*, and it is locked in that position by means of the spring-bolt *f*, which is forced into lock by a spiral spring, indicated by the dotted lines *k*. A lug projecting from one side of the bolt catches in the notch *r*. By pressing in upon the head of this bolt, it is unhooked from the notch *r* (Figs. 2 and 3) in the side of the charger, and the latter is forced downward by the spring *s*, as before mentioned, and receives another ball. A circular or segmental bolt, *m*, is arranged as shown in Fig. 3. This bolt is driven forward by the spring *y* behind it, and it is retracted by pressing inward upon the cap J, which forces that end of the retractor against the beveled shoulder *o* of the bolt, causing the latter to slide around, compressing the spring, and withdrawing the end of the bolt at *t* from the notch in the barrel D. This allows the barrel to be tilted, so as to insert darts at the breech, when desired.

When the magazine is wholly or partially charged with balls, and it is desired to use the gun for darts, the charger is thrown up to the position shown in Fig. 2, and allowed to remain there; and to the end of the barrel D is fixed the plate *v*, which prevents the possibility of a ball getting up into the charger, to be discharged therefrom with the dart, and destroying the latter.

What I claim as my invention is—

1. In combination with the sliding charger C, the spring locking and releasing bolt *f*, for the purposes set forth.

2. In combination with the opening *d* of the charger C and the enlarged ball-chamber or reservoir A, the funnel-shaped guiding-plate *b*, arranged in the manner and for the purposes set forth.

3. In combination with the ball-chamber A and charger C, the guard *v*, for the purpose set forth.

HENRY BEISHEIM.

Witnesses:
WM. S. LOUGHBOROUGH,
PATRICK MCINTYRE.