E. M. LEAVITT.

FLYING-TARGETS.

No. 193,879. Patented Aug. 7, 1877.

Fig. 1.

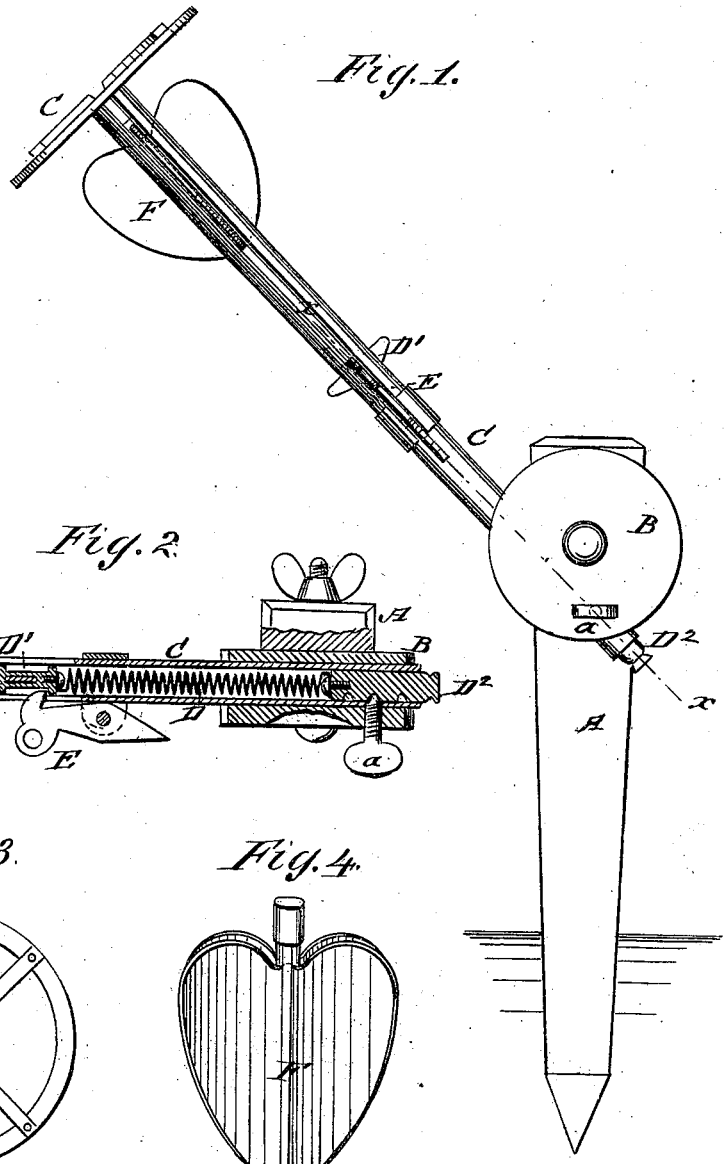


Fig. 2.

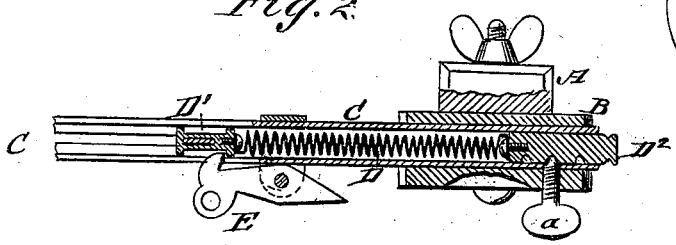


Fig. 3.

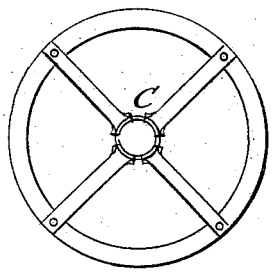
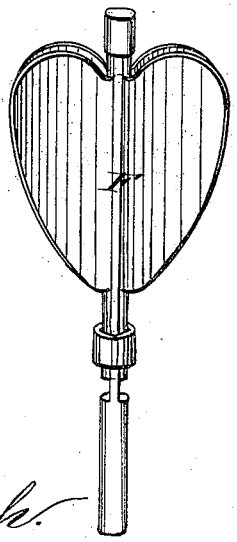


Fig. 4.



WITNESSES:

E. Wolff.

J. H. Scarborough.

INVENTOR:

E. M. Leavitt.

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWIN M. LEAVITT, OF AUBURN, MAINE.

IMPROVEMENT IN FLYING TARGETS.

Specification forming part of Letters Patent No. **193,879**, dated August 7, 1877; application filed July 9, 1877.

To all whom it may concern:

Be it known that I, EDWIN M. LEAVITT, of Auburn, in the county of Androscoggin and State of Maine, have invented a new and Improved Flying Target, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a side elevation of my improved flying target; Fig. 2, a top view of the same, partly in section, on line *x x*, Fig. 1. Fig. 3 is an end view of the guide-barrel; and Fig. 4 a side view of the dart-shaped target.

Similar letters of reference indicate corresponding parts.

This invention has reference to an improved flying target, which is to be shot at and used as a substitute for the wild pigeon sprung from a trap; and the invention consists of a supporting-stake with an adjustable barrel, having slots and a spring-trap arrangement for shooting the dart-shaped target.

In the drawings, A represents a stake that is driven in the ground, and provided at its upper end with an adjustable socket, B, and clamp-screw, and with a barrel, C, secured thereto.

The barrel C may, by means of the stake and socket, be adjusted at any direction and angle, so as to throw the target high or low, or to the right or left, as desired.

The stake is, however, driven into the ground, and the barrel clamped so thereon that the catch to which the releasing-string is attached is placed toward the shooter.

The barrel C is provided with a spiral spring, D, having a sliding cross piece or head, D^1, that is guided in slots of the barrel and locked by a pivoted hook or catch, E, engaging a flange of the cross-head D^1. The tension of the spring D is adjusted by a sliding end piston, D^2, that is secured by a thumb-screw, *a*, entering nicks or notches of the piston, so as to give the spring more or less force for throwing the target.

The target F is made in the shape of a dart, with a slitted stick of wood or metal, and detachable wings of paper, pasteboard, or other material, cut in any desired form. The wings of the dart-shaped target present to the shooter a full target, let it turn as it will.

By pulling back the cross-head of the spring and retaining the same by the catch and inserting the target, the device is ready for use. By pulling, then, the string the target is thrown out by the spring so as to be shot at.

The end of the slotted barrel may be arranged with radially-extending arms and stiffening-ring, as shown in Fig. 3.

The stick or carrier of the target may be made of spring-pieces that are held by a sliding ring, or when made of steel this ring may be dispensed with, and the ends first bent inwardly, so as to be readily lifted for taking out the torn wings and inserting new wings.

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

1. The flying-target trap herein described, consisting essentially of the upright stake A, adjustable socket B, slotted barrel C, spring D, and catch E, substantially as and for the purpose set forth.

2. The combination of the slotted barrel C with the sliding and spring-acted cross-head D^1, catch E, released by string, and tension-adjusting end piston D^2, substantially as specified.

3. The flying target F, consisting of a dart-shaped body having front wings, as and for the purpose set forth.

EDWIN M. LEAVITT.

Witnesses:

CHAS. F. NASON,

H. A. WALLINGFORD.