

(No Model.)

F. A. BRANDENBURG.
TOY GUN.

No. 437,770.

Patented Oct. 7, 1890.

Fig. 1

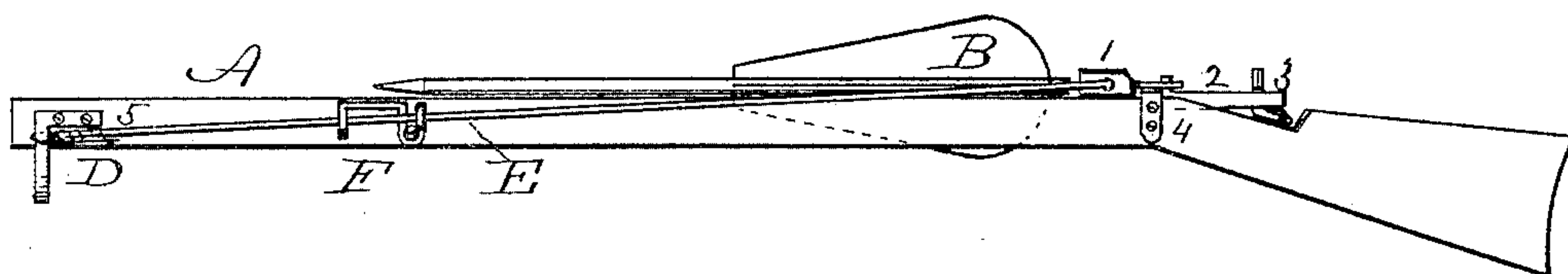


Fig. 2

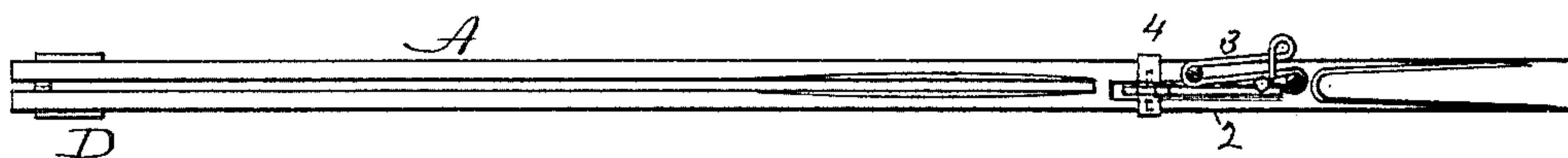


Fig. 3



Witnesses

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UNITED STATES PATENT OFFICE.

FOWLER A. BRANDENBURG, OF VANDALIA, OHIO.

TOY GUN.

SPECIFICATION forming part of Letters Patent No. 437,770, dated October 7, 1890.

Application filed January 6, 1890. Serial No. 336,013. (No model.)

To all whom it may concern:

Be it known that I, FOWLER A. BRANDENBURG, a citizen of the United States, residing at Vandalia, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Toy Guns; and I do hereby declare that the following is a full, clear, and exact description thereof, which, will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in toy guns, the several features of which will be fully hereinafter described and claimed.

The object of my invention is to shoot winged arrows, the "feather" of which is made of paper, much enlarged as compared with other arrows of like construction, and upon which is printed advertising matter, the distribution of which is facilitated by being shot from the gun.

The construction is illustrated in the accompanying drawings, in which—

Figure I is a side view of the toy gun with the arrow in position to be discharged. Fig. II is a top view of the stock with only a part of the attachments illustrated. Fig. III is an enlarged view of the fastener.

Like letters and numerals designate like parts throughout the several views.

A is the stock, in form like an ordinary gun, and has a kerf through the same extending from the end to near the butt. One wing of the arrow is placed into this kerf, and so remains until the arrow leaves the stock. The stay D, near the outer end of the stock, holds the several parts, so that the sides of the kerf are held parallel. At the inner end of the kerf the same is chamfered, as a matter of convenience in entering the wing of the arrow. The metallic strap 4 is folded at its center into a slot of the stock, and the ends are fastened by screws to the sides of the stock, and within this folded portion is held on a pin the elastic locking-plate 2. The projector 1 has an orifice through which the rubber band is passed, and a wire loop on the rear end, which engages a projection of the

locking-plate. The rubber band E extends from the stay on one side through the projector to the same on the other side of the stock. The end of the elastic band is wormed into the spiral coil of the fastener 5, (see Fig. III,) and this is hooked over the stay to attach the ends of said band, the wire loop F consisting of a double loop and an eye, through which a screw is passed to attach the same to the stock, and on which it freely oscillates. The elastic band passes through the loops on both sides, and it serves to arrest the movement of the projector. The spring-wire 3 is attached to the stock by two screws, and serves as a trigger. The inner end is in a vertical position, and is notched in its side to engage the locking-plate. The outer end is bent inwardly, so that when pressure is made by the finger the locking-plate is disengaged, thereby releasing the elastic band and projecting the arrow.

At Fig. III is an enlarged view of the fastener. It comprises a series of coils terminating in a hook at one end, a bend at the opposite, with a portion parallel to the coils that is engaged by said hook. The elastic band is attached by drawing the end successively into the coils in position, as indicated by the dotted lines E, Fig. III.

In shooting the arrow the operation is thus: Pull down the projector and hook it on the locking-plate, then place the arrow on the stock, one wing within the kerf of the same, then press the trigger with the finger, and the arrow is discharged.

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

1. In a toy spring-gun, the stock A, having a kerf extending from the outer end to near the butt, severing the same in halves, the stay D, having a deep notch extending below said stock to maintain the two parts in a parallel position to provide space for the wing of an arrow, that the shaft of the same may traverse the upper surface of said stock and the wing the inner space of the same and the space in said stay, substantially as set forth.

2. In a toy spring-gun, the wire-fastener 5, comprising a spiral coil to engage an elastic band, a hook on the end of said spiral, a loop

terminating in a straight end parallel with said coils, in combination with the elastic band, the stay, the stock, the projector, and the trigger, substantially as set forth.

- 5 3. In combination with a toyspring-gun, the wire 3, attached to the stock, bent at its center parallel, one end forming a circle and terminating at a right angle to the parallel parts, the other looped and bent upwardly and
10 notched, the locking-plate held in said notch,

and the arrow-projector, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

FOWLER A. BRANDENBURG.

Witnesses:

B. PICKERING,
B. F. HERSHEY.