

(No Model.)

F. F. MONTROSE.  
TOY GUN GAME APPARATUS.

No. 421,357.

Patented Feb. 11, 1890.

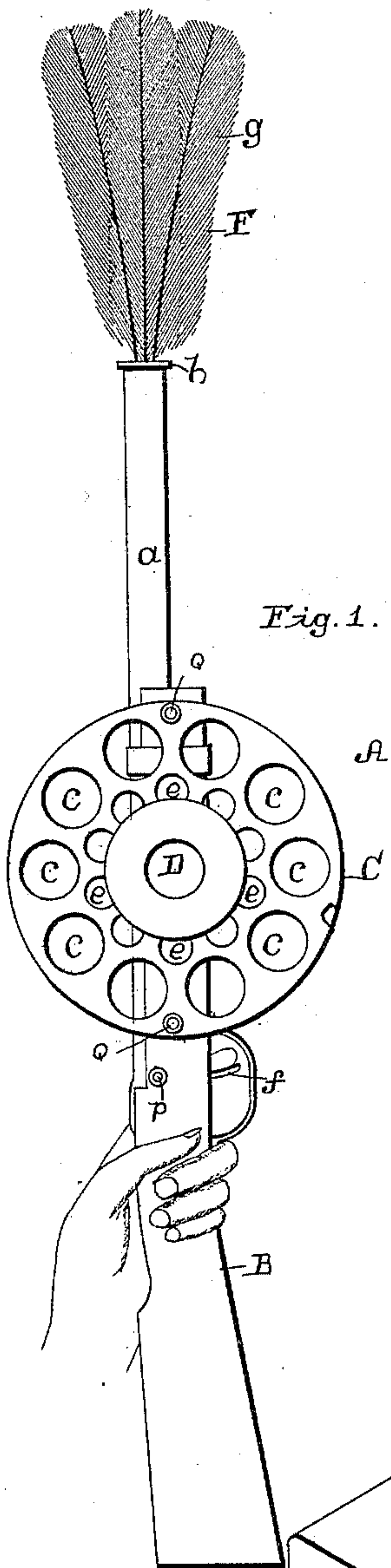


Fig. 1.

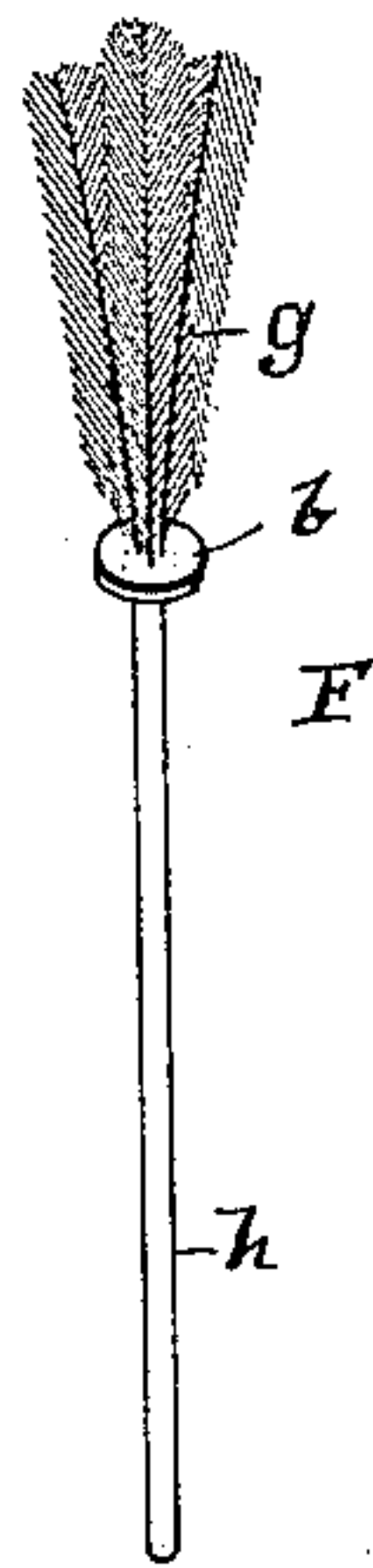


Fig. 2.

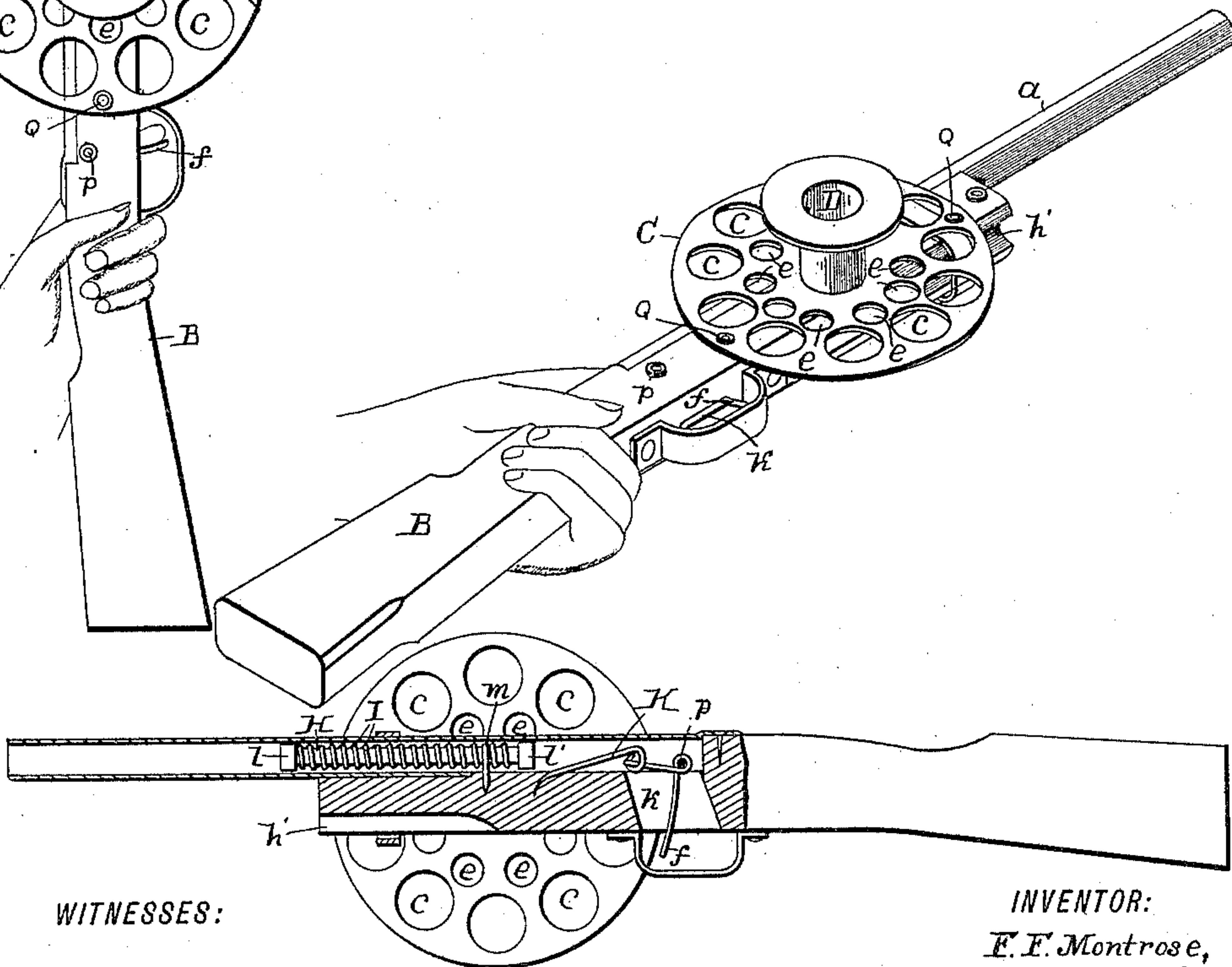


Fig. 3.

WITNESSES:

J. G. Fischer  
A. A. Higdon

INVENTOR:

F. F. Montrose,

BY *Higdon & Higdon*  
his ATTORNEYS.



# UNITED STATES PATENT OFFICE.

FREDERICK F. MONTROSE, OF KANSAS CITY, MISSOURI, ASSIGNOR TO EMMA A. MONTROSE, OF SAME PLACE.

## TOY-GUN GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 421,357, dated February 11, 1890.

Application filed July 6, 1889. Serial No. 316,703. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK F. MONTROSE, of Kansas City, Jackson county, Missouri, have invented certain new and useful

5 Improvements in Toy-Gun Game Apparatus, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

10 My invention relates to an improvement in toy-gun game apparatus; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in

15 the claims.  
In the accompanying drawings, Figure 1 is a side elevation of my improved apparatus, showing the gun in a vertical position about to discharge the arrow. Fig. 2 is a perspective view of the same, illustrating the arrow

20 in flight and showing the gun in such position as to cause the arrow to descend on the target. Fig. 3 is a longitudinal sectional view of the gun.

25 On the gun-stock A, which is of suitable size and shape, is secured the barrel  $\alpha$ , which has its breech in communication with a vertical opening  $k$  in the stock. A spring-catch K is arranged in the rear end of the barrel

30 and is fastened to the stock, as shown, and the trigger  $f$  is pivoted on a rod or pin  $p$  and has an arm which is loosely attached to the catch. The usual guard is provided for the trigger.

35 Arranged in the barrel is a plunger-rod H, which has heads  $l$   $l'$  at its outer and inner ends. A coiled extensile spring I is arranged on the plunger-rod. The said spring bears between the head  $l$  and a guide-staple  $m$ , which is driven into the upper side of the

40 gunstock and astride of the plunger-rod. When the plunger-rod is driven back by the introduction of the arrow in the barrel, the spring is compressed and the head  $l'$  becomes engaged by the catch, thereby retaining the

45 plunger-rod in its loaded position. By pressing the trigger the catch is released from the head of the plunger-rod and the latter is forced violently outward by the spring, there-

50 by discharging the arrow.

The arrow F comprises the shaft  $h$  and the head  $b$ , in which are inserted a number—say three—of feathers  $g$ . The feathers are inclined outward from each other, serve by resistance to the air to limit the flight of the

55 arrow, and serve to direct the shaft of the arrow in a straight line when descending. The feathers also serve a useful purpose by blunting the head of the arrow to such an extent that a person accidentally struck by

60 the arrow could not possibly be injured by the same.

On one side of the gunstock is secured a circular target plate or disk C by means of screws or pins Q. The said target has a num-

65 ber of openings  $c$ , arranged in a circle and adapted to receive the shaft of the arrow on its descent. Within the openings  $c$  and arranged concentric therewith are smaller openings  $e$ , which are still more difficult to strike.

70 In the center of the target is the bull's-eye D, which is a receptacle, preferably in the form of a beaver hat, so that the expression "Shoot the hat" is admissible when applied to this

75 apparatus.

In playing the game the object is to discharge the arrow in a vertical direction and to catch the same in the bull's-eye or receptacle D on its descent, thus scoring a pre-

80 determined number of points. When the arrow is caught in one of the openings  $e$ , a smaller number of points is scored, and when the arrow is caught in one of the openings  $c$  a still smaller number of points is scored.

It requires great dexterity to successfully

85 operate the apparatus, and the same will prove very amusing and entertaining.

Having thus described my invention, I claim—

1. The toy gun for shooting darts or arrows

90 and having the target on one side of its stock, the said target comprising the circular plate C, having the openings  $c$   $e$ , arranged concentrically, and the receptacle D in the center of the plate, and preferably in the form of a

95 hat, substantially as described.

2. As an improved article of manufacture, the toy gun for shooting darts or arrows, and comprising the stock A, the barrel with its

100 rear end and lower side communicating with

the opening *k* in the stock, the trigger *f*, arranged in the said opening, the pin *P*, forming the trigger-pivot, the rod *H* in the barrel and having the heads *L L'*, the coiled spring  
5 I on said rod, the staple *m*, driven into the stock astride of the rod, and the spring-catch *K*, secured in the stock in the breech of the barrel and connected to the trigger, the said  
toy gun having the target on one side of its  
10 stock, comprising the circular plate *C*, with

the concentric openings *c e*, and the receptacle *D* in the center of the plate, all arranged substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK F. MONTROSE.

Witnesses:

F. G. FISCHER,  
A. A. HIGDON.