

No. 670,157.

Patented Mar. 19, 1901.

J. R. LONG.

TRAP GUN.

(Application filed June 18, 1900.)

(No Model.)

2 Sheets—Sheet 1.

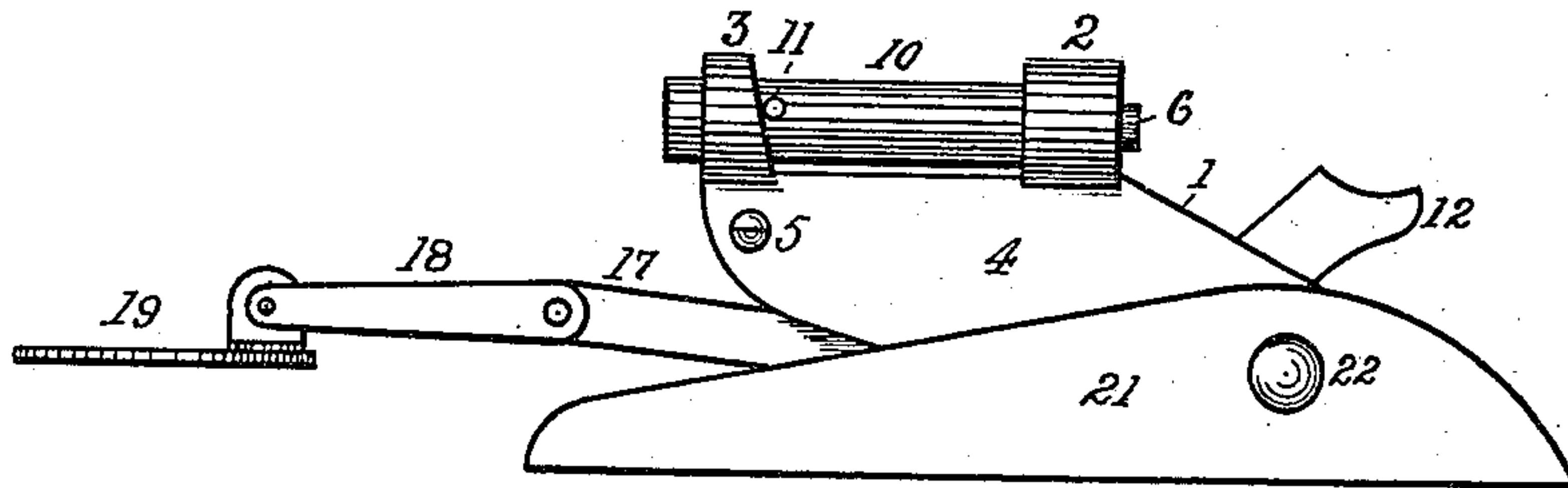


Fig. 1.

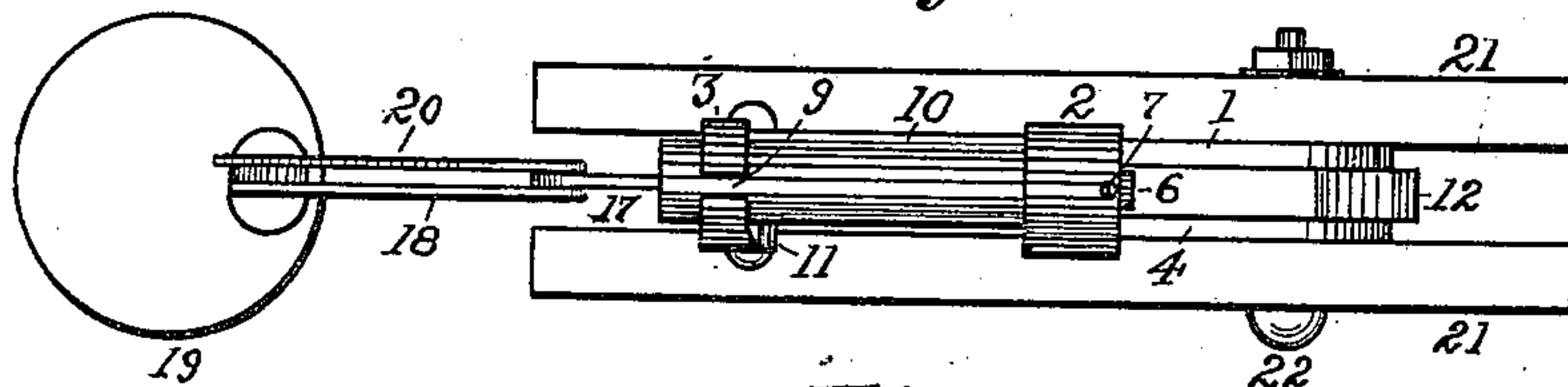


Fig. 2.

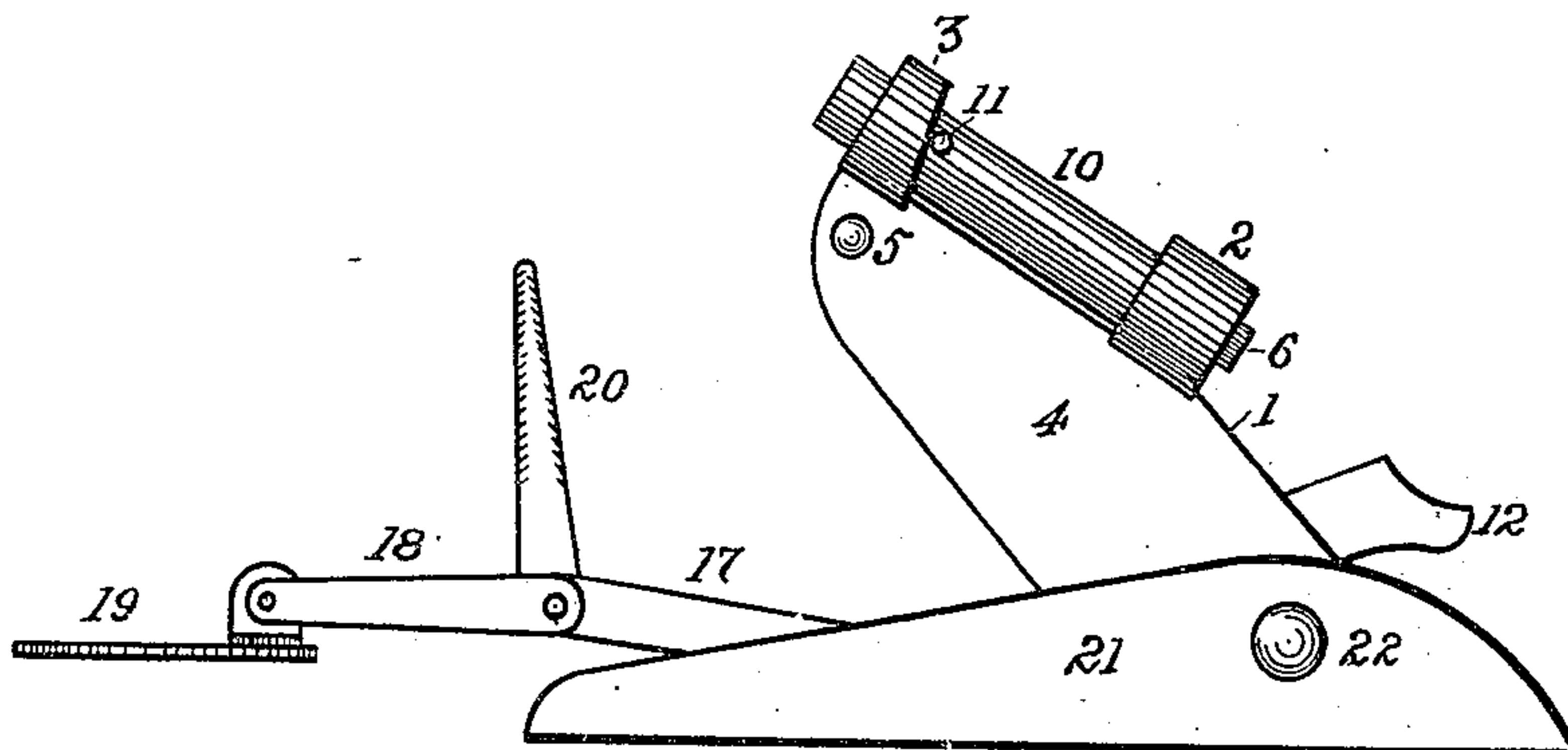


Fig. 3.

Witnesses:

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2 Sheets—Sheet 2.

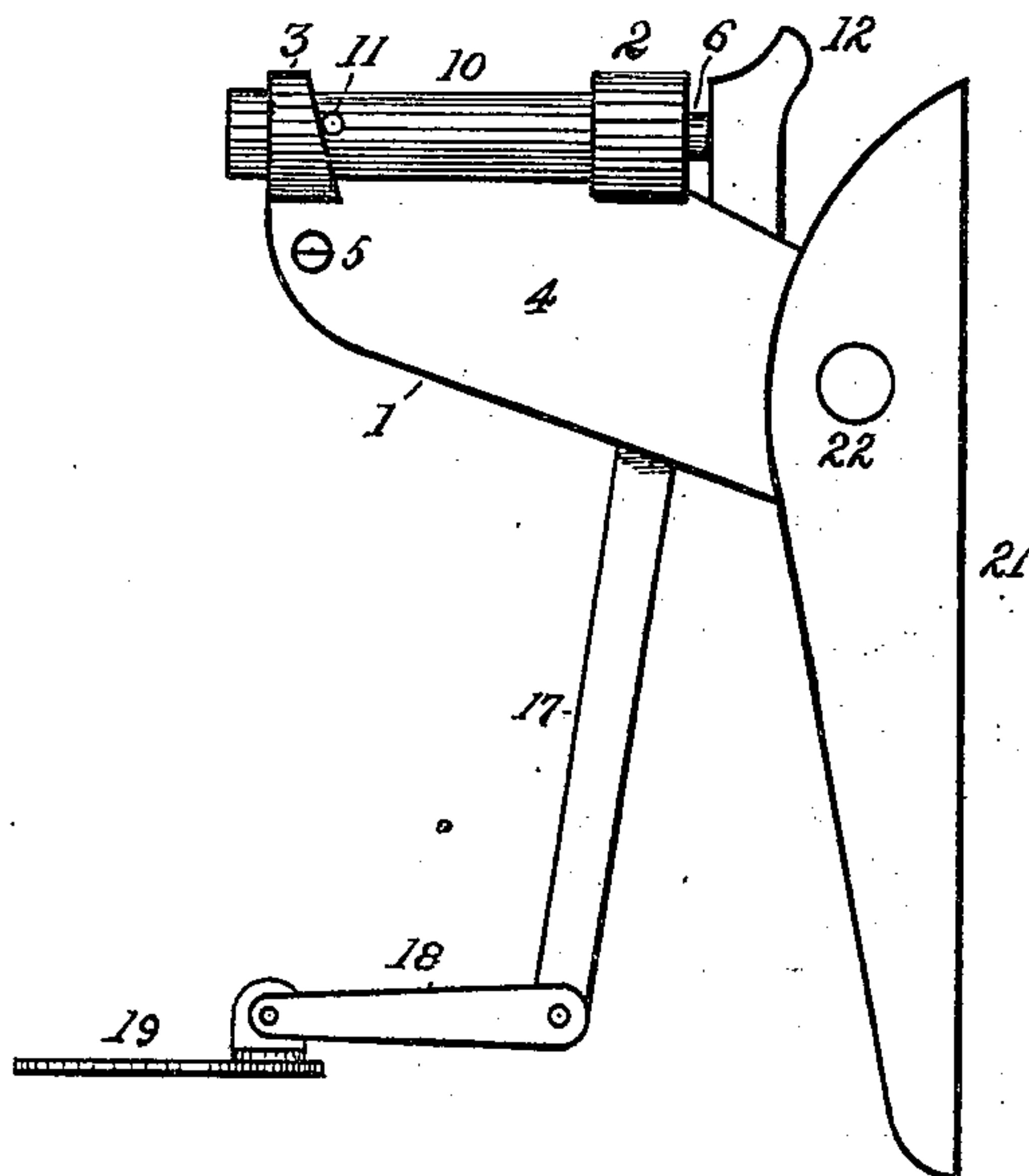


Fig. 4.

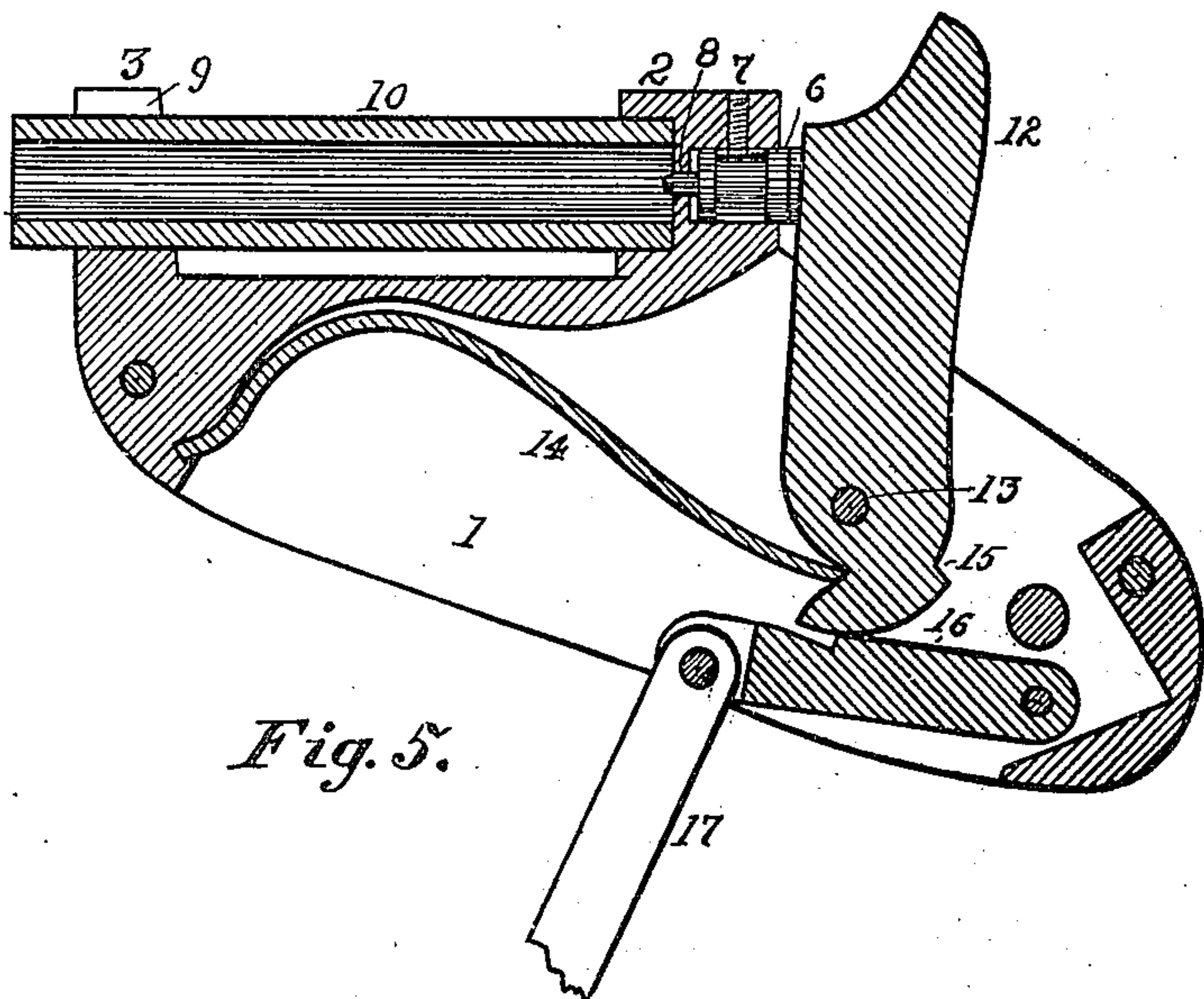


Fig. 5.

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UNITED STATES PATENT OFFICE.

JOHN R. LONG, OF SPRINGFIELD, OHIO, ASSIGNOR TO J. W. LIMBERT,
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TRAP-GUN.

SPECIFICATION forming part of Letters Patent No. 670,157, dated March 19, 1901.

Application filed June 18, 1900. Serial No. 20,712. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. LONG, a citizen of the United States, residing at Springfield, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Trap-Guns, of which the following is a specification.

My invention has relation to improvements in trap-guns designed for the killing of wild animals.

The objects of my invention are to provide an improved gun of the general class named which may be compactly folded for transportation in the pocket and shall be adapted to be discharged either by efforts of the animal to disengage the bait or by pressing upon a treadle, thus adapting it to be inserted in the burrows of the larger burrowing animals.

Another object is to permit of the elevation of the gun to hit larger animals in their paths or runways.

To the aforesaid objects my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described, and then specifically pointed out in the claims, reference being had to the accompanying drawings, forming a part of this specification.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different views, Figure 1 is a side elevation of my improved gun set to be discharged by pressure on the pedal to kill small game on the same level or to be inserted in the burrow; Fig. 2, a plan of the same; Fig. 3, a side elevation showing it adapted for larger game, with the barrel elevated; Fig. 4, a side elevation showing the gun in a different position with relation to its side supporting-bars; Fig. 5, a central section, enlarged, showing the operative mechanism.

Referring to the drawings, 1 is the gun-frame, also constituting the lock-frame, and is provided with a breech-block 2 and barrel-band 3, integral therewith. This frame is made of metal and is recessed for the lock mechanism and is closed by a plate 4, retained by a screw 5. The breech-block 2 is recessed to receive one end of the gun-barrel, and in this block is an opening, in which slides a bolt 6, having a reduced center and retained by a

screw 7 and has a firing-pin 8, arranged to project through an opening in the breech-block to strike the cartridge. The barrel-band 3 has a narrow opening 9 in the top lengthwise of the gun-frame and its back face is inclined from the opening 9 backward.

The barrel 10 consists of an open tube and bears a pin 11, that as the barrel is placed in the barrel-band and pushed back to enter the recess in the breech-block passes through the opening 9 and, by partially revolving the barrel, engages the inclined face of the barrel-band and locks the barrel in place. The hammer 12 is pivoted on a pin 13 and is constantly forced to rock forward by a spring 14, the opposite end of which rests in a notch in the lock-frame. This hammer has a notch 15, arranged to be engaged by a shoulder on a dog 16, pivotally mounted in the frame 1. The trigger 17 is pivotally connected with the dog 16 by a frictional joint sufficiently rigid to cause the two to move together in use, but permitting them to be separately moved by an increase of force to adapt the gun to the different purposes hereinafter stated. To the front end of the trigger 17 is similarly frictionally attached a short treadle-bar 18, bearing a pedal 19, connected in like manner. At the side of the pedal-bar 18 and united to the trigger by the same rivet is a bait-finger 20, roughened or notched to more tenaciously retain the bait.

The gun is mounted between two side bars 21, preferably of wood, by means of a bolt 22, which is drawn tightly enough to hold the gun in any position, but permitting them to be changed in position, as hereinafter stated. These bars, which for the purpose of this specification are designated as the "carriage," are tapered toward the front and rounded from the top at each end. In operation the barrel is released by a partial revolution and removed, a cartridge inserted, and the barrel returned. For use to kill small animals or to be inserted in the burrows the parts are placed in the position indicated in Figs. 1 and 2, with the trigger, pedal-bar, and pedal extended in substantial alinement, the hammer drawn back, and the pedal raised until the dog engages the hammer-notch 15. Thus arranged a pressure on the pedal will discharge the

gun. When larger game is sought to be killed, bait may be placed on the bait-finger 20, which is rocked upward for that purpose, as indicated in Fig. 3, and the gun elevated at any
 5 angle best adapted to hit the anticipated animal.

The gun can be converted into a defensive weapon by swinging the front ends of the carriage down and backward, as shown in
 10 Fig. 4, thus affording a grip for the hand, and the trigger bent down to be within reach of the finger of that hand. The whole is folded to be carried in the pocket by swinging the pedal, pedal-bar, and bait-finger back under
 15 the carriage, in which form it is very compact.

I claim as my invention—

1. In a trap-gun, a gun-frame having a recessed breech-block, and a firing-pin, and a barrel-band, a barrel resting in said breech-
 20 block and band, a hammer pivotally mounted in said frame arranged to strike the firing-pin, a spring to actuate said hammer, a dog to engage the hammer-notch, a trigger frictionally pivoted to the dog and a pedal-bar

and pedal frictionally pivoted to the trigger, 25 in combination with side bars to constitute a carriage, frictionally pivoted to said gun-frame, substantially as shown and described.

2. In a trap-gun, a gun-frame having a recessed breech-block and a firing-pin and a
 30 barrel-band, a barrel resting in said breech-block and band, a spring-actuated hammer pivotally mounted in said frame, arranged to strike the firing-pin, a dog to hold and release said hammer, a trigger frictionally piv-
 35 oted to the dog, and a bait-finger frictionally pivoted to said trigger, in combination with side bars to constitute a carriage, frictionally pivoted to the gun-frame, substantially as shown and described. 40

In testimony that I claim the above I hereunto set my hand in the presence of two subscribing witnesses.

JOHN R. LONG.

In presence of—

C. P. HUMPHREY,
 C. E. HUMPHREY.