

J. R. McALISTER.  
FIREARM.

APPLICATION FILED APR. 28, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

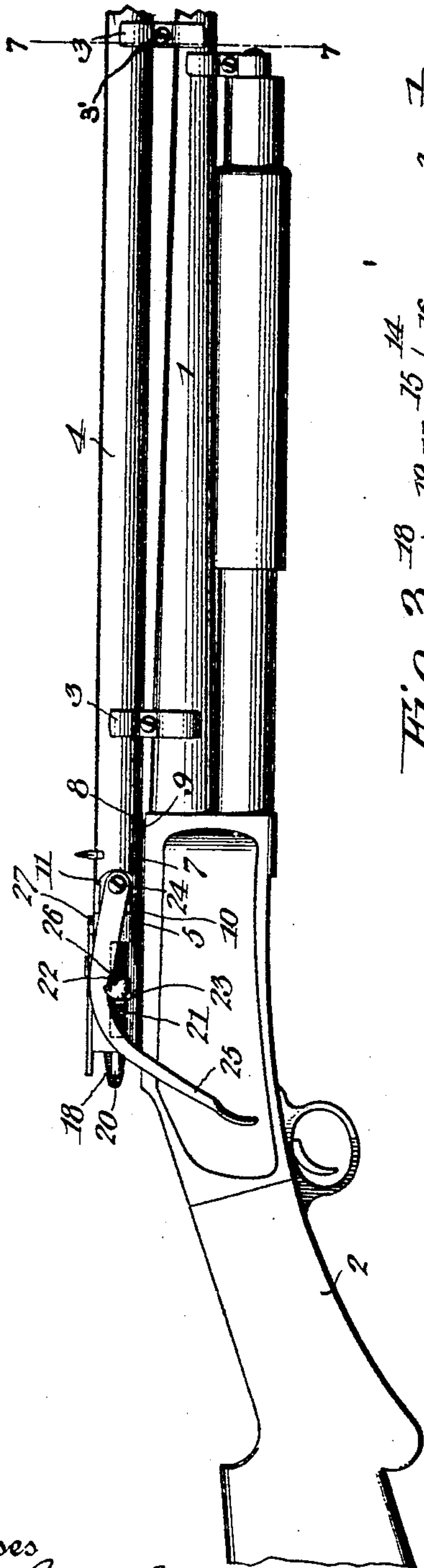


Fig. 3.

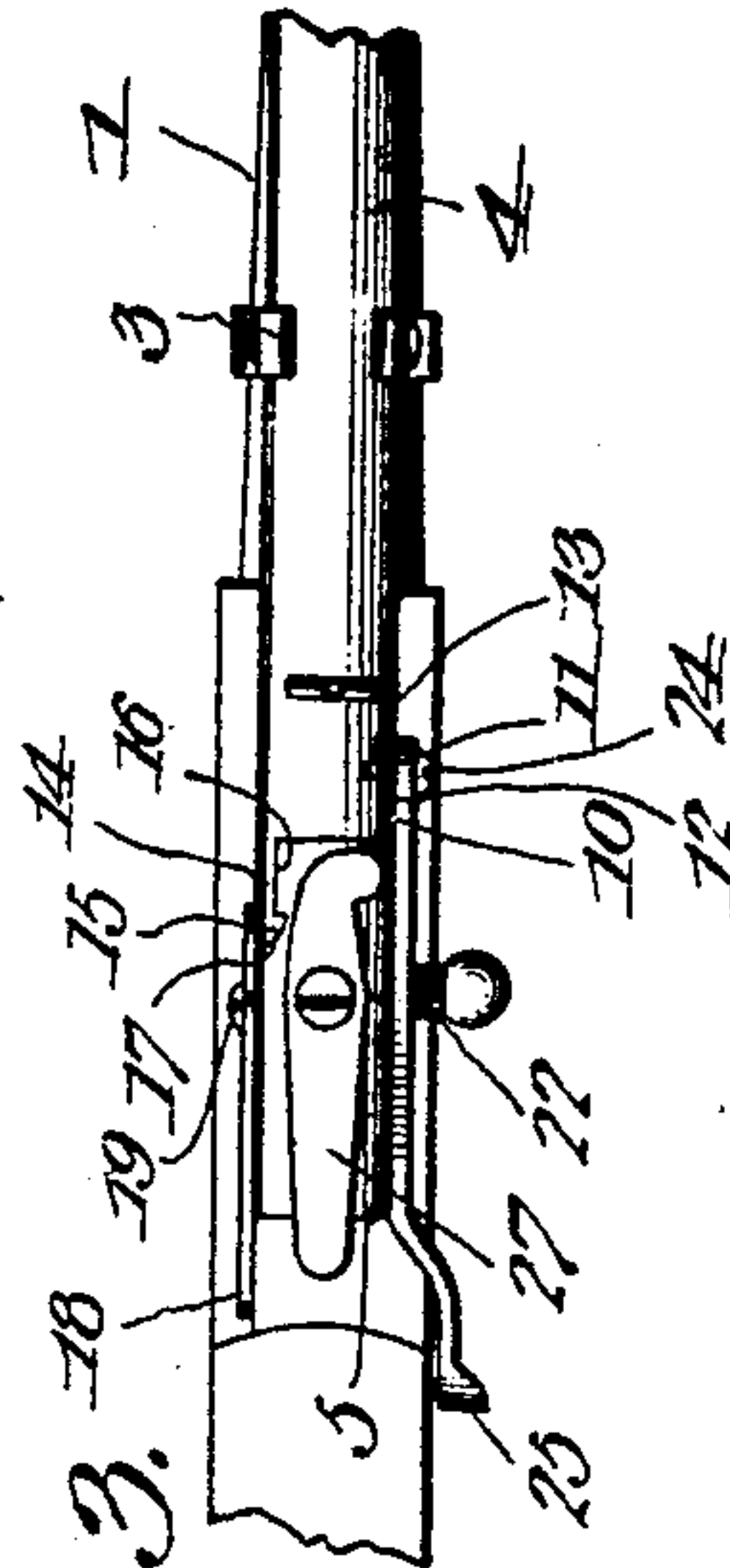


Fig. 4.

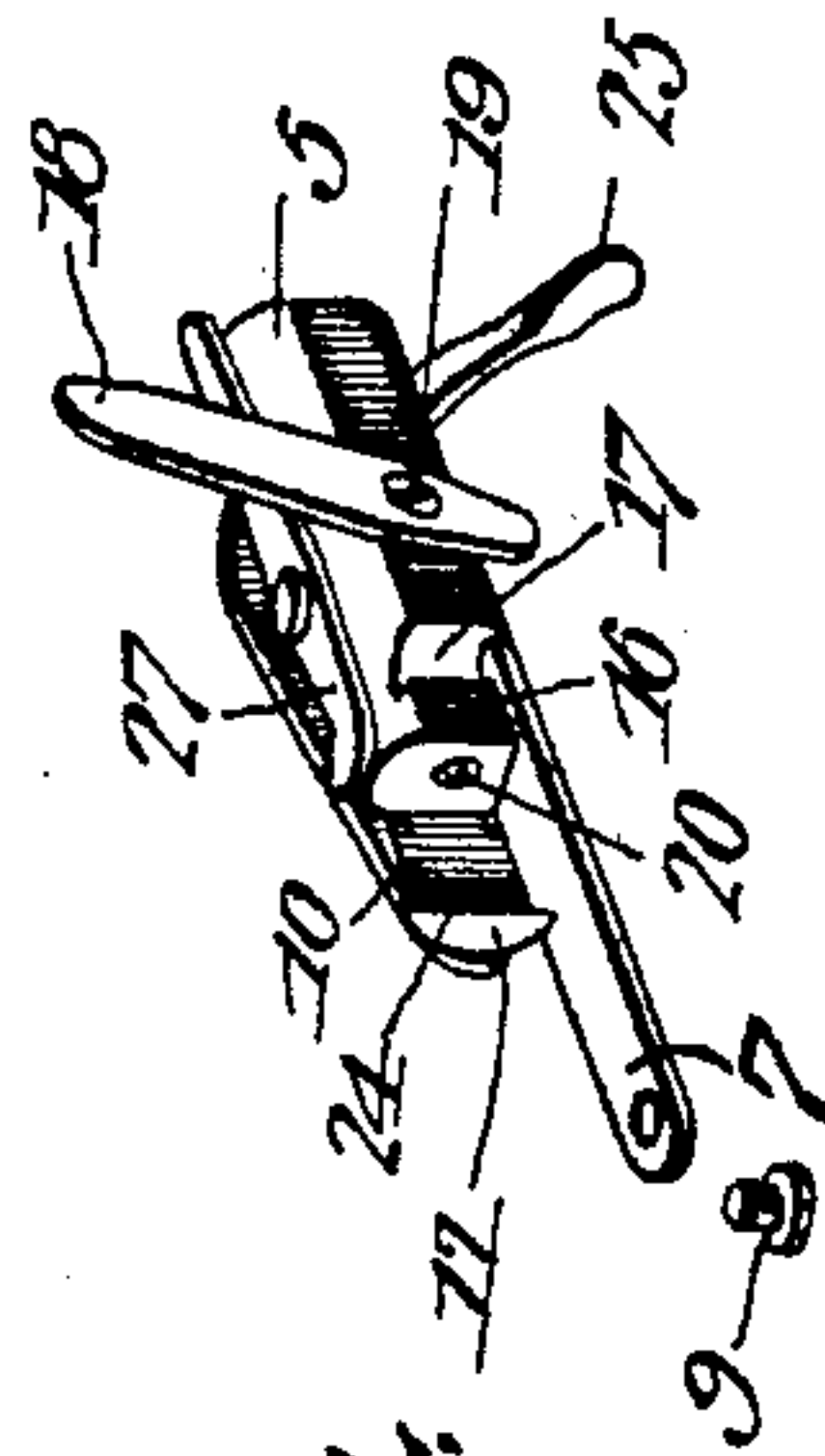
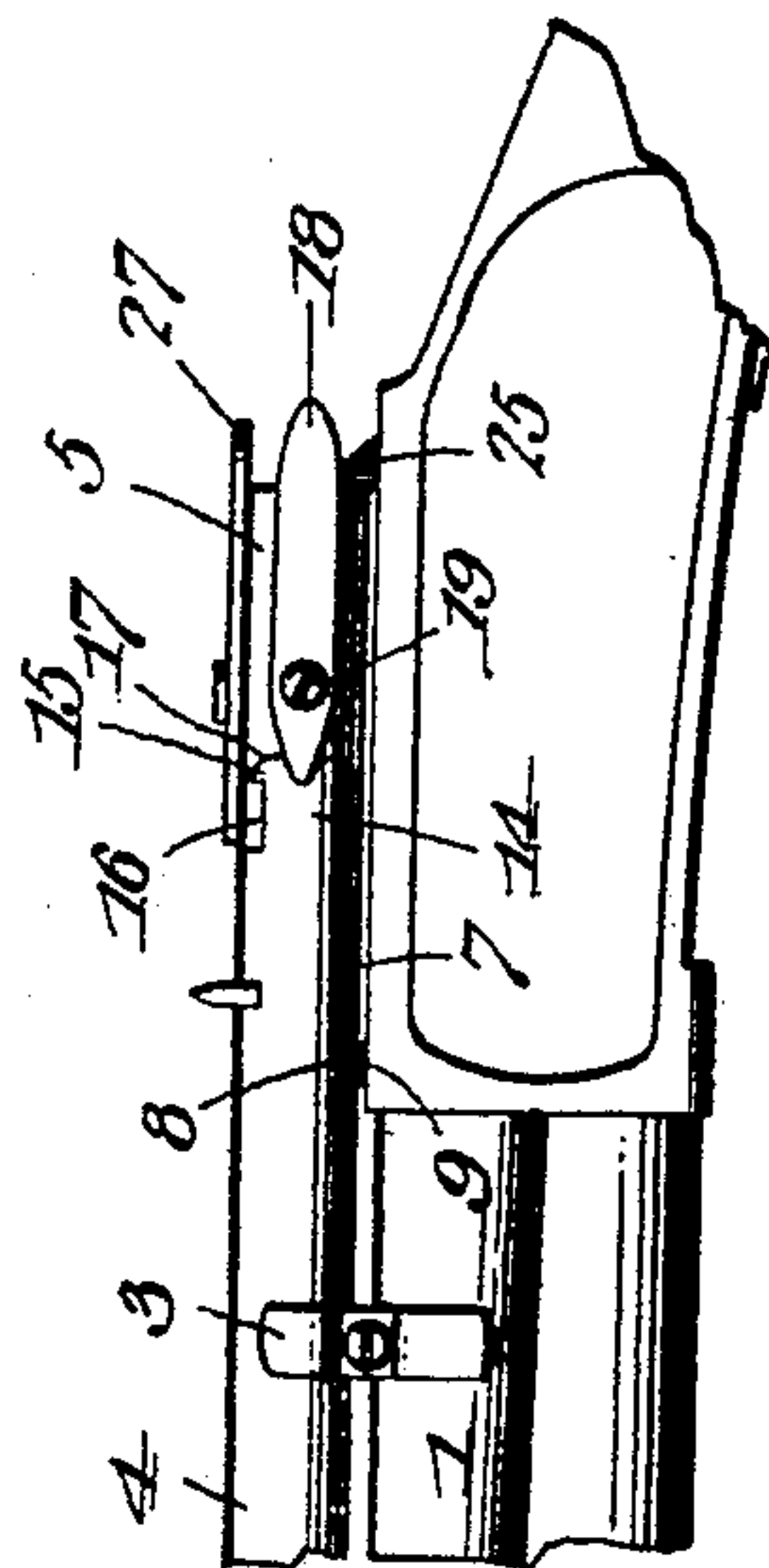


Fig. 2.



Witnesses

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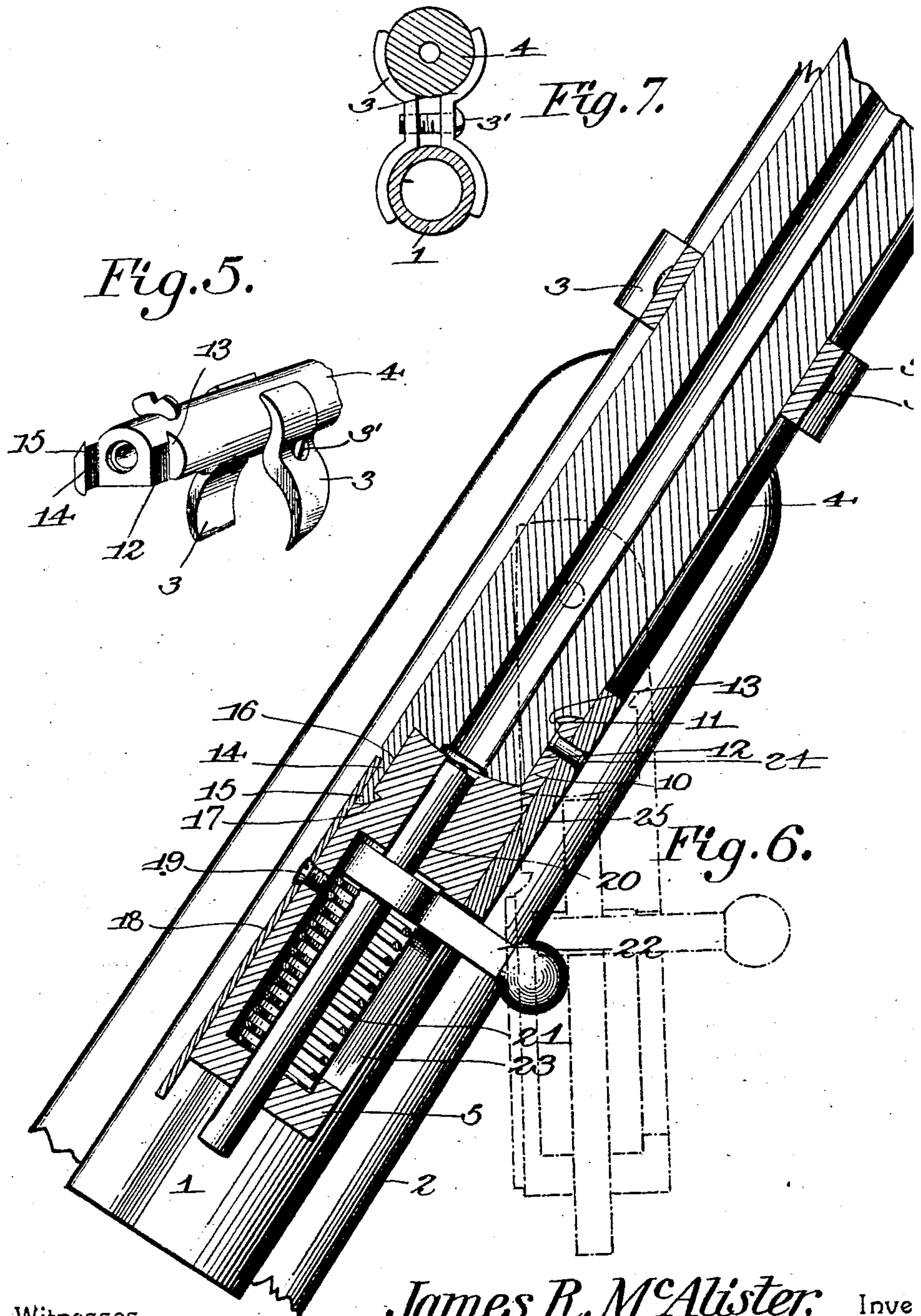
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2 SHEETS—SHEET



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES R. McALISTER, OF HAILESBORO, NEW YORK.

## FIREARM.

No. 804,255.

Specification of Letters Patent.

Patented Nov. 14, 1904.

Application filed April 28, 1904. Serial No. 205,353.

*To all whom it may concern:*

Be it known that I, JAMES R. McALISTER, a citizen of the United States, residing at Hailesboro, in the county of St. Lawrence and State of New York, have invented a new and useful Firearm, of which the following is a specification.

This invention relates to firearms of that general class in which an auxiliary barrel is detachably mounted on the ordinary barrel; and the main object of the invention is to provide an auxiliary barrel of simple construction which carries its own breech block and lock and does not in any manner interfere with or necessitate change in the construction of any portion of the firearm to which it is attached.

A further object of the invention is to provide an auxiliary barrel that may be quickly placed in position or removed and one which may be made and sold as a separate article of manufacture to be applied to existing firearms.

A still further object of the invention is to provide a novel form of barrel having a swinging breech-block which supports the firing-pin and all of its operating mechanism.

A still further object of the invention is to provide a simple form of securing device for holding the auxiliary barrel to an ordinary single-barrel firearm.

With these and other objects in view, as will more fully hereinafter appear, the invention consists in certain novel features of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions, size, and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a side elevation of a portion of a firearm provided with an auxiliary barrel constructed in accordance with the invention. Fig. 2 is a similar view of a portion of the same, taken from the side opposite that shown in Fig. 1. Fig. 3 is a plan view showing principally the breech end of the auxiliary barrel. Fig. 4 is a detail perspective view of the breech-block detached. Fig. 5 is a view similar to Fig. 4, illustrating the construction of the breech end of the barrel. Fig. 6 is a sectional plan view of the breech-block. Fig. 7 is a transverse

sectional view on the line 7 7 of Fig. 1, showing means for locking the auxiliary barrel in place.

Similar numerals of reference are employed to indicate corresponding parts throughout several figures of the drawings.

The auxiliary barrel is shown as applied to a well-known type of single-barrel gun including a barrel 1 and stock 2. The auxiliary barrel 4 is secured in place by clips 3, which are bent at both ends to partly embrace the barrels 1 and 4, said clips being connected in pairs by screws 3', the attaching means being of such a simple nature that a person may readily place the auxiliary barrel in position or remove the same. The breech-block 5 is provided with a forwardly-extending arm 7, which fits in a slight recess formed in the under surface of the barrel and is connected to said barrel by a pivot stud or screw 9, so that the breech-block may be removed to open or closed position. The rear end of the barrel is provided with a rearwardly-extending arm 14, forming practically a continuation of the barrel, and terminates in an inwardly-extending rib 15 on the rear wall of which is slightly tapered, and the front wall of said rib forms a straight shoulder in a plane at right angles to the end of the barrel. One side of the breech-block is slightly cut away, forming a recess 16, at the rear end of the recess is formed a notch 17 of a shape corresponding to the rib 15, adapted to receive the same, while the depth of the recess is about equal to the thickness of the arm 14, so that when the breech-block is closed the sides of the barrel and block will be in a continuous line.

From that side of the breech-block opposite the recess 16 extends an arm 10, that terminates in an inwardly-projecting rib 11, the side of the barrel is provided with a recess 12 and a notch 13, adapted, respectively to receive the rib and arm, the depth of the recess in this case being also equal to the thickness of the arm. When the breech-block is closed, the two ribs will enter the two notches, and the opposite sides of the block will thus be firmly held and the rearward movement of the block prevented. It will be observed that the breech end of the barrel and the forward end of the breech-block are arranged on slightly-curved lines, so that there will be no difficulty in swinging the breech-block to open or closed position.

At one side of the breech-block is piv-



lever 18, that may be turned on its  
 end 19 until its forward edge engages  
 the side of the barrel and retains the  
 closed position.

Breech-block is provided with an axial  
 for the passage of a firing-pin 20,  
 projected by a spring 21, the spring  
 to force the pin in the direction of  
 the primer of the cartridge. The side wall  
 of the breech-block is provided  
 with a slot 23, through which ex-  
 tends arm 22, which may be grasped by  
 the hand in order to draw the firing-pin back-  
 ward, in other words, to cock the weapon.  
 The forward end of the breech-block  
 carries a trigger 25, having a sear-nose 26,  
 which engages the arm 22 and holds the fir-  
 ing-pin at the rear. The free end of the trig-  
 ger is extended rearward and downward to a  
 position adjacent to the main trigger-guard  
 convenient to the fingers of the hand.

In firing it is merely necessary to  
 pull the trigger backward, the sear-nose ris-  
 ing into contact with the arm 22 and per-  
 mitting the previously-compressed spring to  
 force the firing-pin against the primer of the  
 cartridge. This trigger further serves the  
 function of a breech-operating lever, inas-  
 much as it may be grasped to throw the lock  
 into either open or closed position.

At the top of the breech-block is pivoted a  
 device 27 in the form of a simple lever  
 whose forward end laterally extended,  
 the lever may be turned so that the ex-  
 ternal portion comes into contact with the  
 trigger 25 and prevents movement  
 of the trigger to release the firing-pin, thus  
 preventing accidental explosion of the car-  
 tridge.

Having thus described the invention, what  
 I claim is—

1. A gun-barrel provided at its breech end  
 with a forwardly-extending arm terminating  
 in a forwardly-projecting rib, the opposite  
 end of the barrel being notched and recessed,  
 the breech-block having a similar arm and rib,  
 the arm and rib being notched and recessed,  
 the arm and rib member being adapted to enter  
 the notch and opening of the other during  
 movement of the breech-block, and a  
 trigger carried by said breech-block.

2. In an auxiliary barrel for a firearm, a  
 breech-block at the breech end of  
 the barrel, a firing-pin carried by the breech-

block and provided with a laterally-extending  
 arm, and a trigger pivoted to the breech-block  
 and extending down to a position adjacent to  
 the main trigger-guard of the weapon, said  
 trigger being provided with a sear-nose for  
 engaging the arm. 60

3. In an auxiliary barrel for a firearm, a  
 swinging breech-block at the breech end of  
 the barrel, a spring-pressed firing-pin carried  
 by the breech-block and provided with a lat-  
 erally-extending arm, and a trigger pivoted  
 at a point adjacent to the front end of the  
 block, the rear end of said trigger being ex-  
 tended to a position adjacent to the main trig-  
 ger-guard, said trigger being provided with a  
 sear-nose for engagement with the arm, the  
 trigger serving further as a lever for swing-  
 ing the breech-block to open and closed posi-  
 tions. 65

4. In a firearm, an auxiliary barrel, a breech-  
 block having a forwardly-extending arm piv-  
 otated to the under side of the barrel, the mat-  
 ing faces of the breech-block and breech end  
 of the barrel being disposed on lines struck  
 from the pivot-point of the arm, and both  
 the barrel and the block being provided with  
 engaging portions, a pivoted lever carried by  
 the breech-block and serving by engagement  
 with the barrel to prevent opening movement,  
 a firing-pin carried by said breech-block, a  
 spring tending to move the same to firing po-  
 sition, an arm projecting from the firing-pin,  
 and a trigger pivotally connected to the breech-  
 block and provided with a sear-nose for en-  
 gaging said arm. 75

5. The combination in a firearm, of an aux-  
 iliary barrel, a breech-block pivotally connect-  
 ed thereto, a spring-pressed firing-pin carried  
 by the breech-block, an arm projecting from  
 the firing-pin, a trigger pivotally connected  
 to the breech-block and having a sear-nose for  
 engaging the arm, the lower and rear end of  
 said trigger terminating at a point adjacent  
 to the main trigger-guard of the firing-arm,  
 and a safety device in the form of a lever  
 pivoted to the top of the breech-block and  
 adapted to engage and hold said trigger. 80

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

JAMES R. McALISTER.

Witnesses:

H. SUDDS,

L. B. MURRAY.