

F. HARDY.
 DEVICE FOR LOCKING THE BREECH BLOCKS OF REPEATING SHOTGUNS.
 APPLICATION FILED MAR. 25, 1909.

946,999.

Patented Jan. 18, 1910.

FIG. 1.

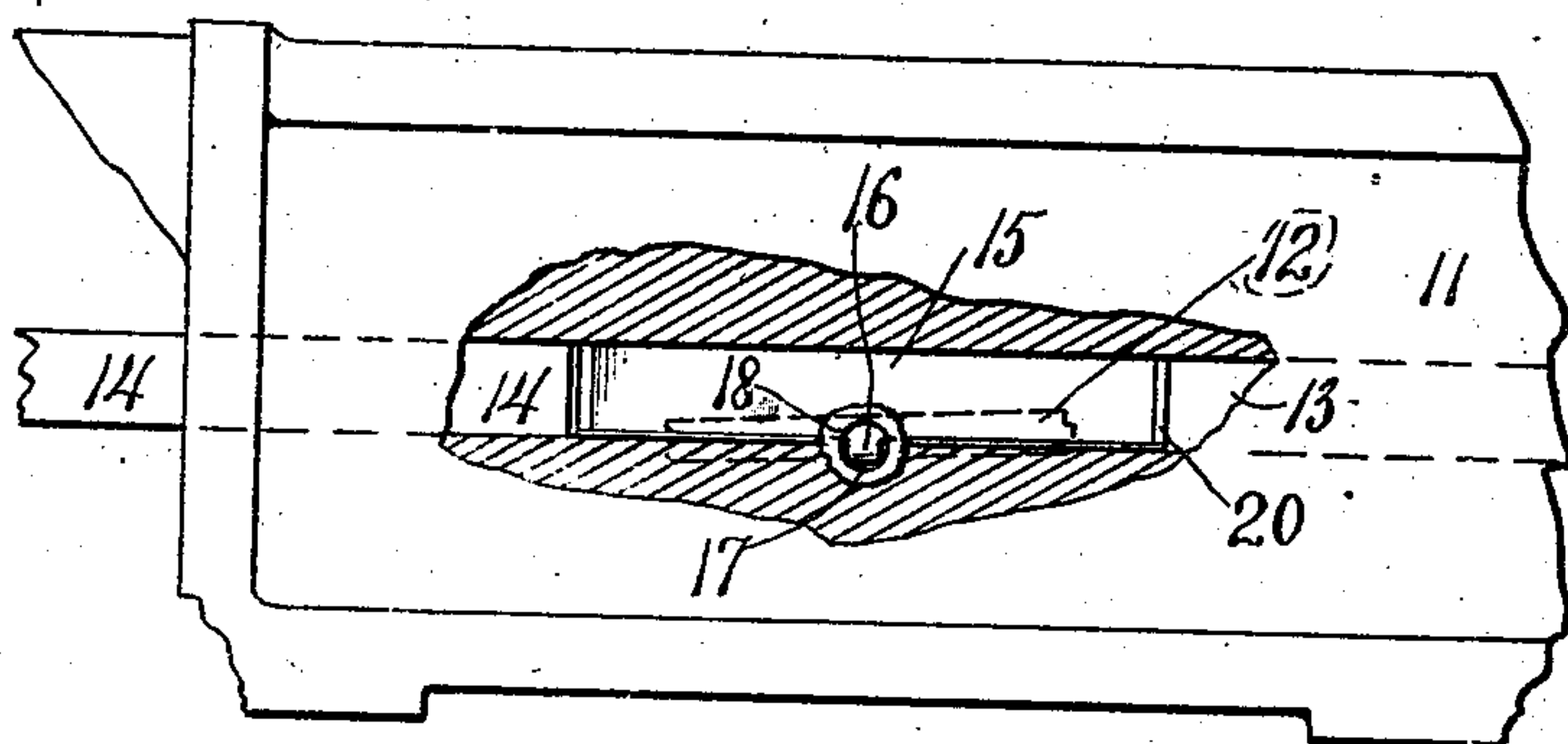


FIG. 2.

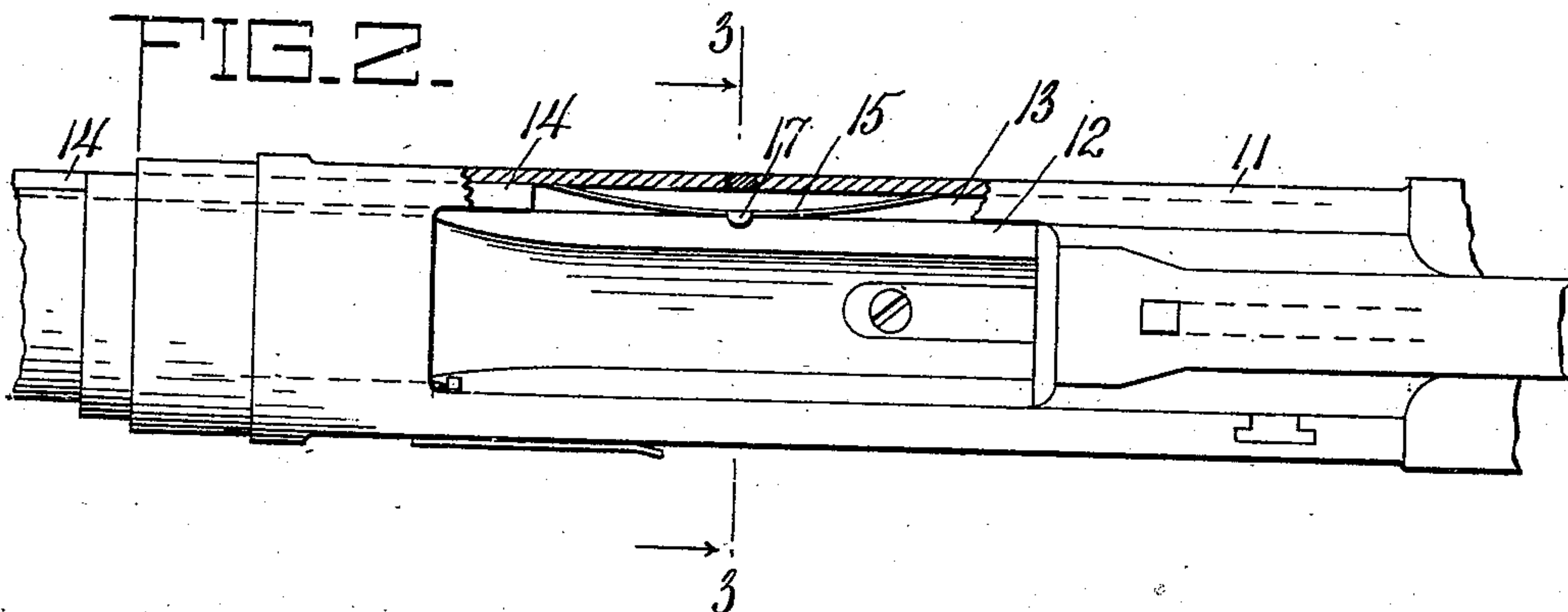


FIG. 3.

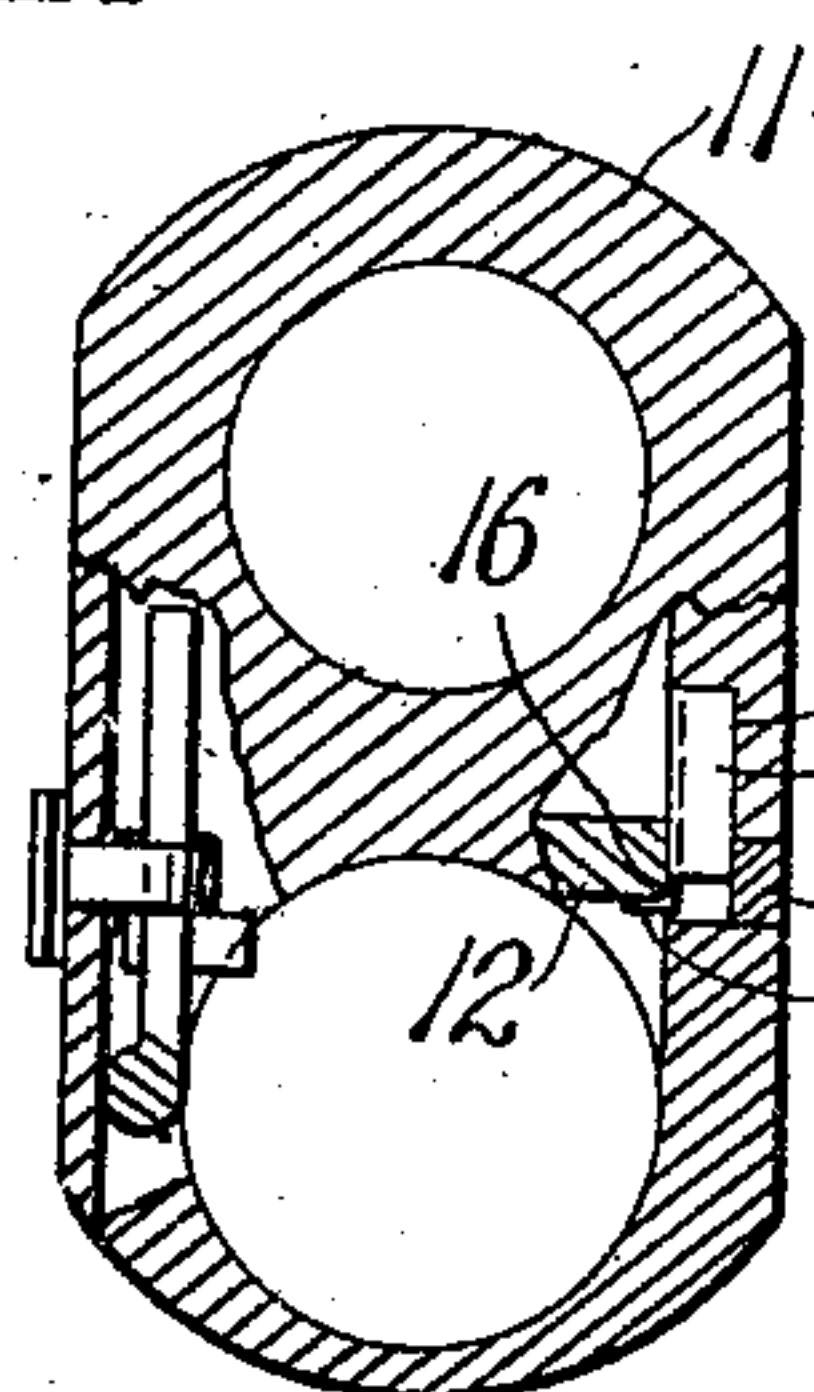


FIG. 5.

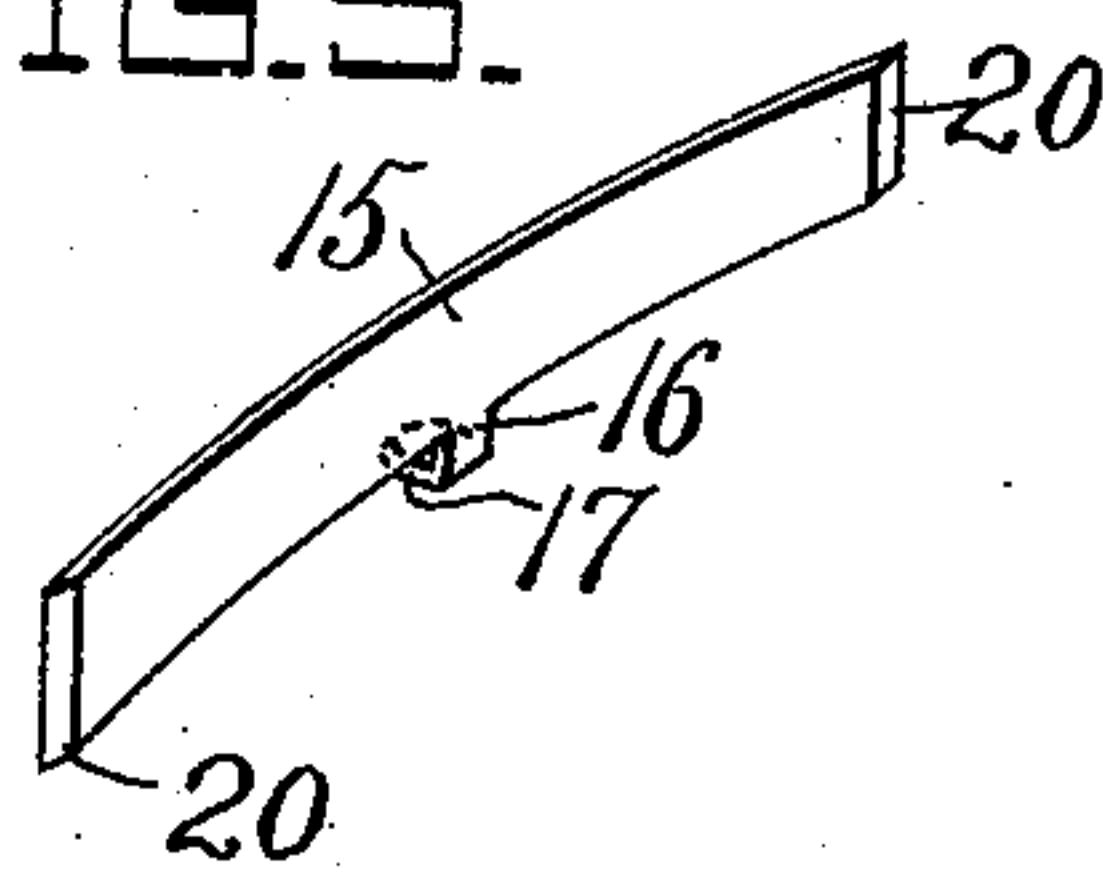
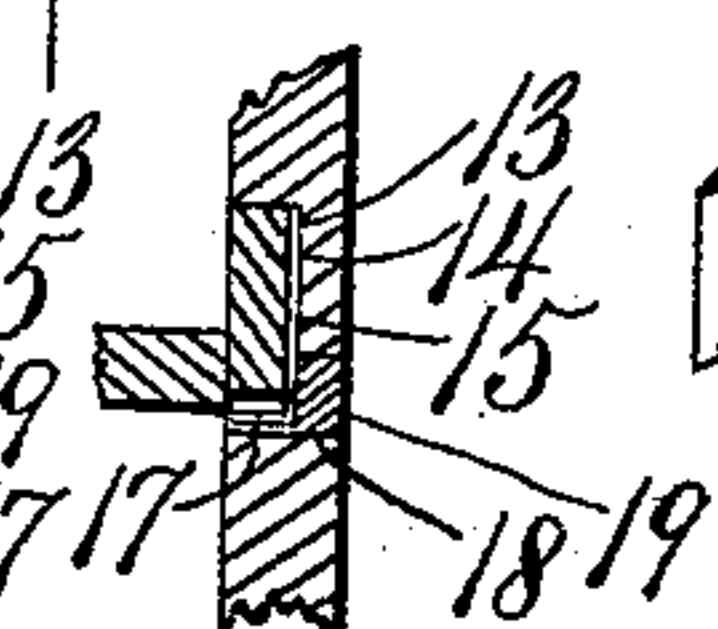


FIG. 4.



Witnesses
 W. E. Allen
 E. M. Chomney

Inventor
 Frederick Hardy.
 By Walter Allen
 Attorney

UNITED STATES PATENT OFFICE.

FREDERICK HARDY, OF COLUMBIA, TENNESSEE, ASSIGNOR TO RICHARD EDGAR HAYNES, TRUSTEE, OF COLUMBIA, TENNESSEE.

DEVICE FOR LOCKING THE BREECH-BLOCKS OF REPEATING SHOTGUNS.

946,999.

Specification of Letters Patent.

Patented Jan. 18, 1910.

Application filed March 25, 1909. Serial No. 485,647.

To all whom it may concern:

Be it known that I, FREDERICK HARDY, a citizen of the United States of America, residing at Columbia, in the county of Maury and State of Tennessee, have invented a new and useful Device for Locking the Breech-Blocks of Repeating Shotguns, of which the following is a specification.

Heretofore there has been difficulty in preventing the breech block from falling from position when the action bar of a take down repeating shot gun is withdrawn in dismounting or taking down and the object of my invention is to do away with the difficulty which renders the operation sometimes very awkward and annoying, and consists essentially in providing in the channel of the action bar a spring, having a tongue thereon, which is adapted to hold the breech block in position, on the withdrawal of the action bar and withdraw its control of the breech block on the insertion of the action bar, and is entirely automatic in its action.

Figure 1 is an elevation partly in section of a portion of the frame of a gun showing the spring catch in position to control the breech block. Fig. 2 is an underside view partly in section of a portion of the frame of a gun showing the spring catch in position to control the breech block. Fig. 3 is an irregular cross section looking in the direction of the arrows in Fig. 2, showing the spring catch controlling the breech block. Fig. 4 is a detail of a portion of Fig. 3 showing the spring catch withdrawn from operative position on the entrance of the action bar. Fig. 5 is a detail of the spring catch.

11 is a portion of the frame of a take down repeating shot gun in which are the ordinary breech block 12, and the channel 13 for the action bar 14.

15 is a thin steel spring on one edge of which is a tongue 16 having a lip 17.

18 is a hole bored through the side of the gun and closed by a plug 19 which may be screwed or otherwise fastened in place. This hole may be cut as a recess from the inside of the gun, the essential portion being the part provided for the reception of the tongue 16.

The spring 15 lies in the channel 13 in which the action bar 14 moves. When the action bar 14 is inserted into the channel 13

in putting the gun together, it slides along over the spring 15, pressing it back to a straight line and holding it flat against the wall of the channel, the ends of the spring being preferably slightly beveled or sharpened as at 20 to permit it to lie with ends close to the wall of the channel. The pressing back of the spring 15 by the action of the action bar causes the withdrawal of the lip or hook 17, which releases the breech block 12 before the end of the action bar 14 reaches the point of contact with the breech block. As long as the gun remains set up the spring 15 retains this inoperative position and the breech block is free to move under the impulse from the action bar 14 in the normal operation of the gun. When the gun is taken down, the action bar 14 having first returned the breech block to the position it must occupy before the gun can be put together, is withdrawn from over the spring 15, which resumes its active position, thrusting forward its lip or hook 17 to engage the breech block and prevent its leaving its position.

It will be seen that the attachment of this device does not involve the changing of the gun in any particular with the exception of the provision of the recess for the finger of the spring, and a possible removing of a little metal from the back of the action bar or the channel to provide sufficient room for the spring. In many cases the action bar fits loosely in its channel and this latter change is not necessary.

Having thus described my invention the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination, with the frame of a gun having a channel, a breech block, and an action bar adapted to operate in the channel; of a spring having a hook for preventing the breech block from falling from position when the action bar is withdrawn for dismounting or taking down.

2. The combination, with the frame of a gun having a channel, a breech block, and an action bar adapted to operate in the channel; of a spring located in the channel and having a tongue provided with a finger or hook adapted to engage the breech block when the action bar is withdrawn from the frame and releases the breech block when the action bar is again inserted in the frame.

3. The combination of the frame of a gun
having a channel and a recess beneath the
channel, an action bar adapted to operate in
the channel and a spring located in the chan-
5 nel and having a tongue occupying the re-
cess and provided with a finger or hook
adapted to engage the breech block when the

action bar is withdrawn from the frame and
releases the breech block when the action
bar is again inserted in the frame.

FREDERICK HARDY.

Witnesses:

WALTER ALLEN,
W. E. ALLEN.