

No. 792,316.

PATENTED JUNE 13, 1905.

O. COOK.  
GUN.

APPLICATION FILED SEPT. 16, 1902.

2 SHEETS—SHEET 1.

Fig. 1.

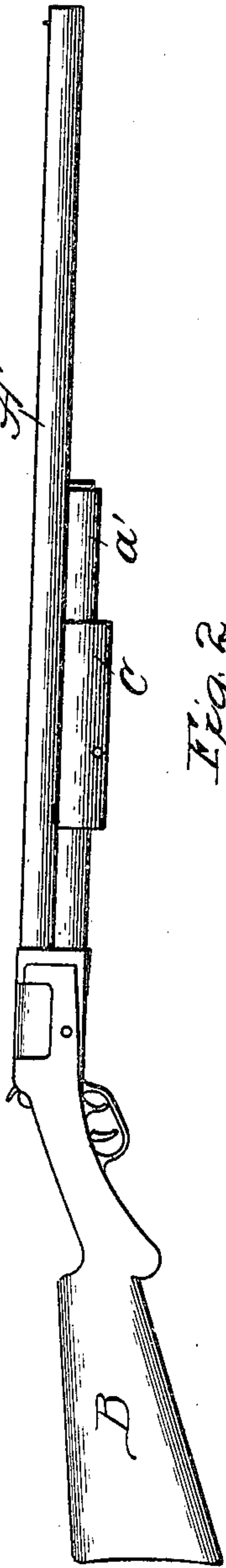


Fig. 2.

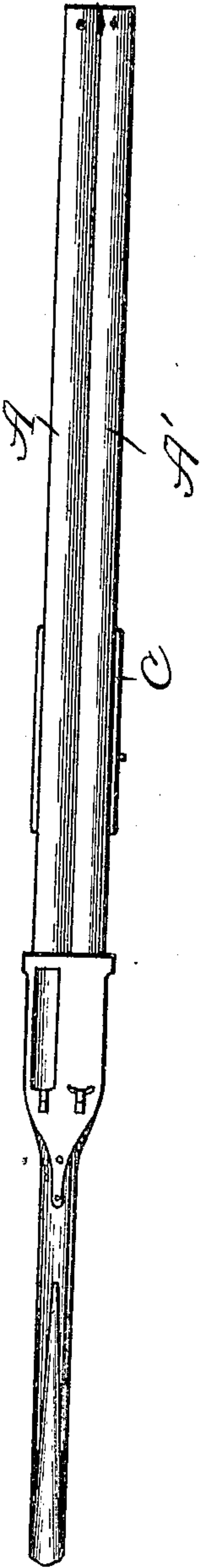
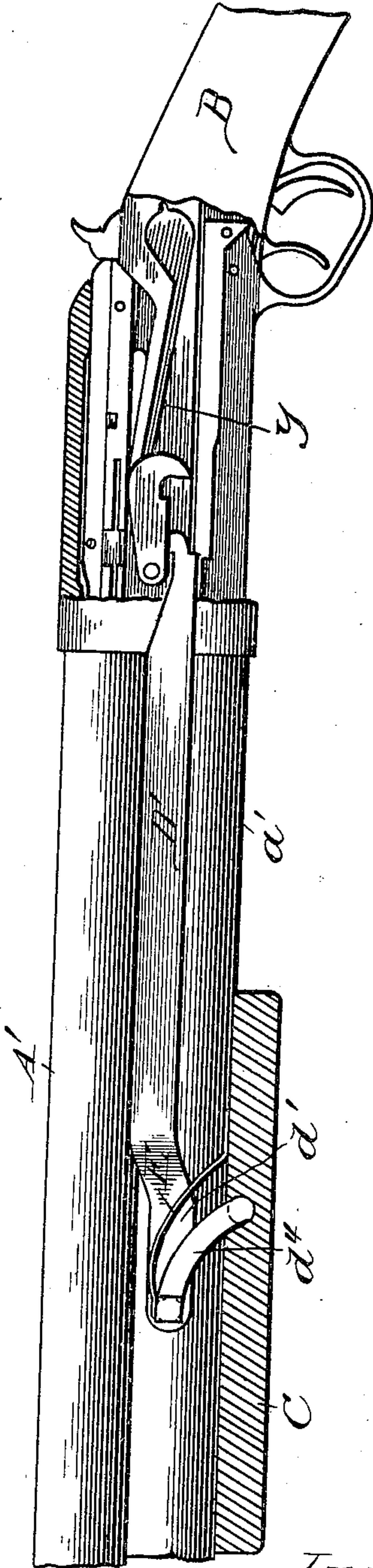


Fig. 3.



Witnesses:

Anna B. Hills

Alfred C. Cook

Inventor:

O. Cook

Charles M. Hill

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2 SHEETS—SHEET 2.

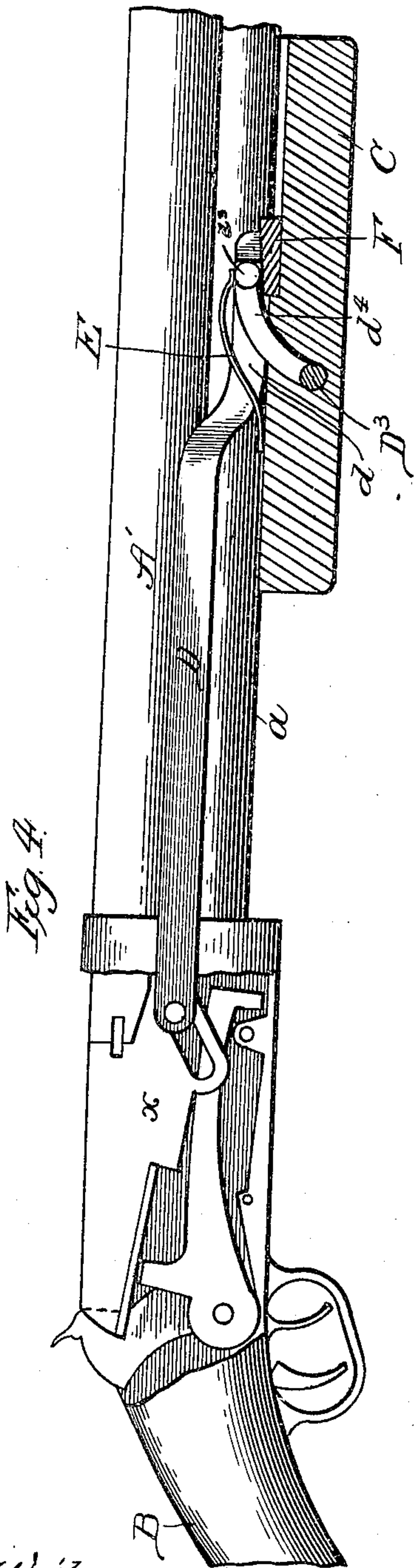


Fig. 4.

Witnesses:  
Anna B. Hills  
Alfred B. Hill

Fig. 6.

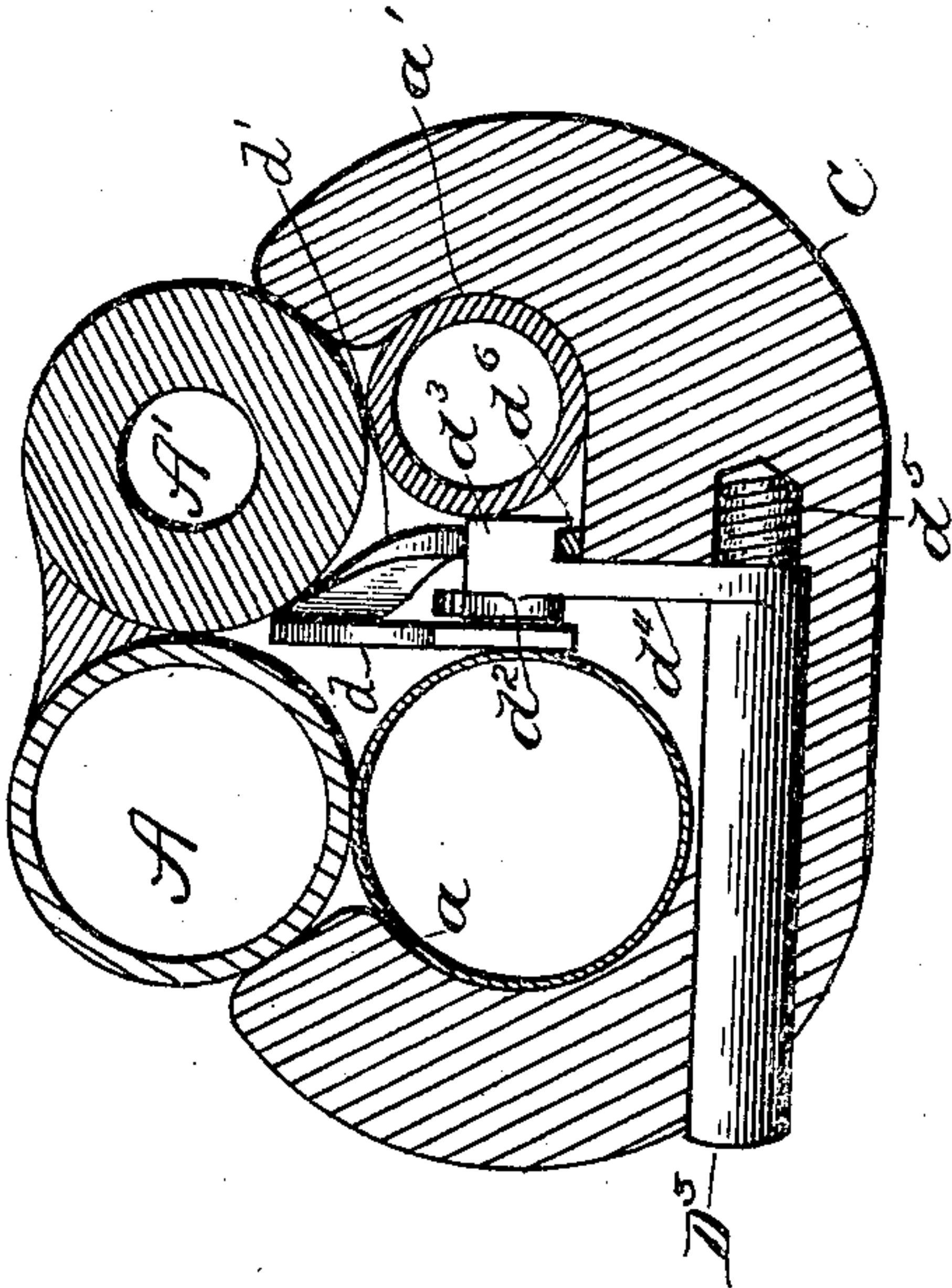
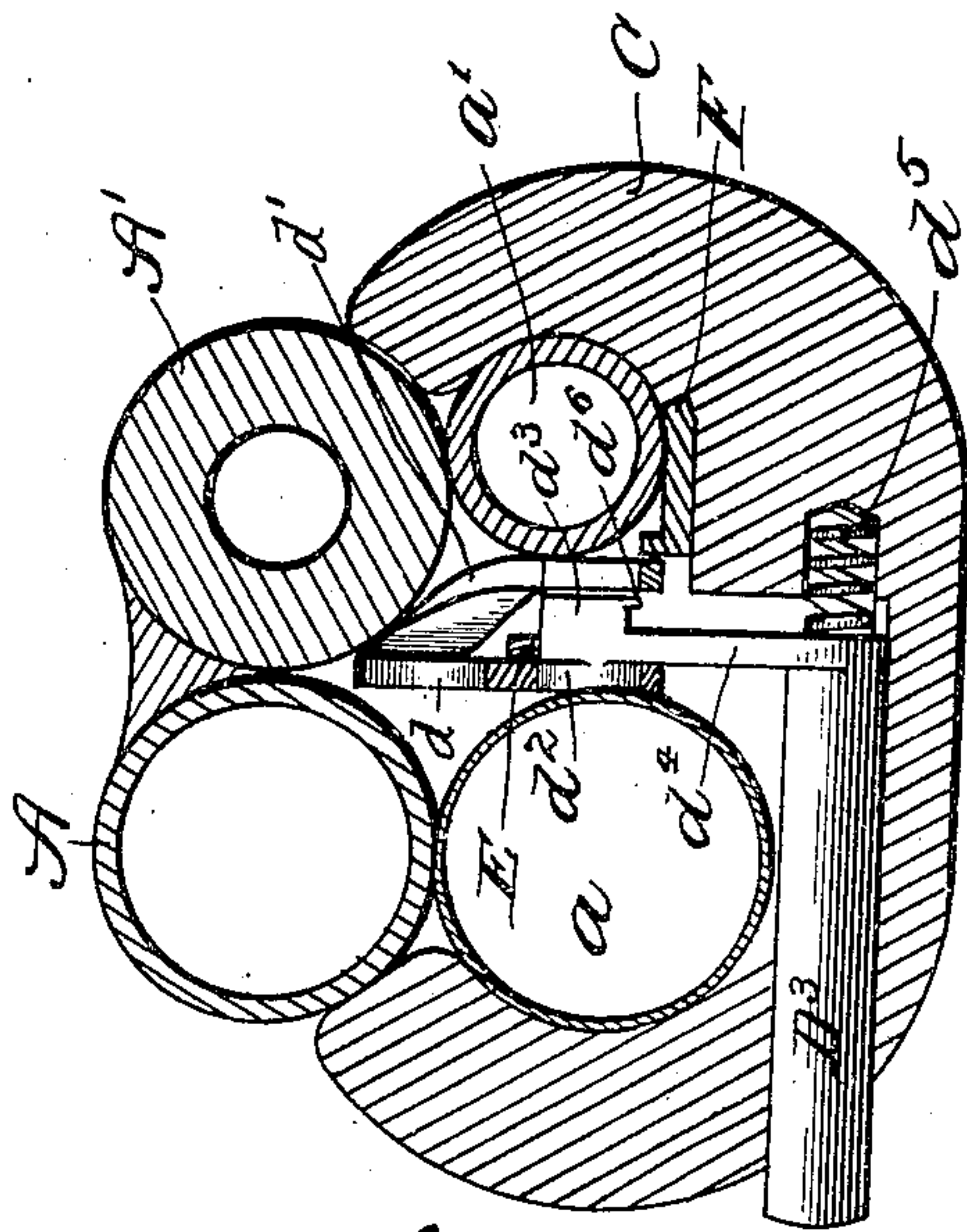


Fig. 5.



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O. Cook  
Charles Hill  
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# UNITED STATES PATENT OFFICE.

ORT COOK, OF CHICAGO, ILLINOIS, ASSIGNOR TO JOSEPH R. McGLASHAN  
AND JOHN S. McGLASHAN, OF CHICAGO, ILLINOIS.

## GUN.

SPECIFICATION forming part of Letters Patent No. 792,316, dated June 13, 1905.

Application filed September 16, 1902. Serial No. 123,599.

*To all whom it may concern:*

Be it known that I, ORT COOK, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Guns; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in guns, and more particularly to an improvement in guns having more than one barrel and in which the ejection of the discharged shell from the barrel and the reloading of the gun is accomplished by a sliding movement of a part secured beneath the barrel.

The object of the invention is to provide a construction whereby a single sliding grip-piece is used to actuate the breech mechanism of any barrel preferred of a gun having a plurality of barrels. For convenience a double-barrel gun is shown, one of the barrels being a rifle-barrel and the other a shot-barrel.

The invention consists in the matters hereinafter described, and more fully pointed out and defined in the appended claims.

In the drawings, Figure 1 is a side elevation of a device embodying my invention. Fig. 2 is a top plan view of the same. Fig. 3 is an enlarged vertical longitudinal section illustrating the means for operating the breech mechanism for the rifle-barrel. Fig. 4 is a similar section illustrating the means for operating the breech mechanism of the shot-barrel. Fig. 5 is an enlarged section on line 5 5 of Fig. 4 and showing the shifting mechanism adjusted to actuate the breech mechanism for the shot-barrel. Fig. 6 is a similar section with the sliding grip near its rearward limit and showing the shifting mechanism adjusted to actuate the breech mechanism for the rifle-barrel.

In said drawings, A indicates a shot-barrel and A' a rifle-barrel, secured together in a familiar manner and beneath each of which is provided a magazine, (indicated, respectively,

by a a' and designed each to contain a plurality of loaded cartridges, as is usual.)

B indicates the stock of the gun, which is secured to the barrels in any desired manner and is provided at the breech with a breech mechanism for each barrel of any desired form for ejecting discharged shells from the respective barrels and inserting loaded shells therein.

The breech mechanism of the rifle side of the gun is indicated by X and for the shot side by Y. Said breech mechanisms may be of any desired type adapted to be actuated by a rod movable longitudinally of the barrel, and in this instance inasmuch as there are two barrels and two breech mechanisms two rods are provided, (indicated, respectively, by D and D'.) A sliding grip C is engaged below the barrels and partly incloses the magazines, and said rods extend from near the forward limit of the travel of said grip C rearwardly between the magazines each into one of the breech mechanisms which is actuated thereby in the usual manner. Said rods are provided near their forward ends with downwardly and laterally curved portions, (indicated, respectively, by d d',) which are apertured as shown in Figs. 5 and 6 to receive the detents d<sup>2</sup> and d<sup>3</sup>, respectively, which are carried on the arm d<sup>4</sup> of the shifting-pin D<sup>3</sup>. Said shifting-pin extends transversely into and partly through the grip C, as shown in Figs. 5 and 6, and, as shown, a spring d<sup>5</sup> is seated in the grip and presses outwardly on said shifting-pin, thereby holding the same at the outward limit of its movement and with the detent d<sup>2</sup> engaged in the aperture on the rod D, thereby adapting the grip normally to operate the breech mechanism of the shot side of the gun. The aperture in the rod D' is directly opposite the aperture in the rod D, so that by pressing the shifting-pin inwardly the detent d<sup>3</sup> is passed through said aperture and is held therein by means of a depending lip d<sup>6</sup> on said detent which engages over the metal on the lower side of the aperture, as shown in Fig. 6, and holds said detent in position for the grip to operate the breech mech-



anism of the rifle-barrel. As shown, the arm  $d^4$  is integrally formed with the shifting-pin  $D^3$  and inclines forwardly, as shown in Figs. 3 and 4, and a spring E engages on the upper end of said arm, holding the same at all times in its lowermost position.

F indicates a stationary inclined cam-surface adapted to engage the lip  $d^6$  of the detent  $d^3$  as the rod  $D'$  and the grip C move forwardly and which acts to detach said detent from the rod  $D'$  when the grip is at the forward limit of its movement, permitting the detent  $d^2$  to again engage the rod D.

The operation is as follows: Inasmuch as the detent  $d^2$  normally engages the rod D, the reciprocation of the grip C ordinarily or normally operates the mechanism of the shot side of the gun, with the usual result of cocking the hammer, ejecting the discharged shell, and inserting a loaded shell in position for discharge. The grip then being slid forwardly carries therewith the rod D, closing the breech. Should the rifle-barrel be discharged, the shifting-pin  $D^3$  is pressed inwardly, forcing the detent  $d^3$  through the aperture in the end of the rod  $D'$ , in which position the spring E acts to force said detent downwardly until the lip  $d^6$  thereof engages on the opposite side of the rod from the arm  $d^4$ , holding said detent firmly therein. Reciprocation of the grip C now acts to force the rod  $D'$  rearwardly, ejecting the discharged shell from the barrel and moving a loaded shell from the magazine into position to be forced into the barrel when the breech is closed by the forward movement of the grip. When said grip C is moved forwardly to the limit of its movement, the lip  $d^6$  engages on the inclined surface F, lifting the same sufficiently to permit the spring  $d^5$  to disengage the detent from said rod.

Obviously any desired type of lock or breech mechanism may be employed, and the magazines may be of any desired character or type.

My invention is applicable for use with guns in which longitudinally-movable rods actuated by a sliding grip beneath the barrel actuate the breech mechanisms of more than one barrel.

Obviously many features of construction may be varied without departing from the principles of my invention.

I claim as my invention—

1. The combination with a gun having a plurality of barrels, of a magazine for each barrel, a breech mechanism for each barrel, a longitudinally-sliding grip beneath the barrels, rigid connection between said grip and said breech mechanisms and means carried by the grip for operating said breech mechanisms singly.

2. The combination with a gun having a plurality of barrels, of a magazine and a breech mechanism for each barrel, a longitudinally-

movable rod below each barrel and engaged at their rear ends each in one of the breech mechanisms and adapted to actuate the same and means for actuating said rods comprising a sliding grip carried below the barrels and means engaged in said grip adapted to permit either of said rods to be reciprocated at will.

3. The combination with a gun having a plurality of barrels, of longitudinally-movable rods below said barrels adapted each to actuate the breech mechanism for one of said barrels, a grip slidably mounted beneath the barrels, a shifting-pin mounted in said grip and provided with detents adapted for engagement with said rods, one of which is normally engaged with one of said rods and means for shifting the other detent into engagement with the other rod.

4. The combination in a gun having a plurality of barrels, a breech mechanism, and a magazine for each barrel, of a sliding grip below the barrels and movable longitudinally thereof, a longitudinally-movable rod for each of the breech mechanisms of the gun and engaged at their rear ends in said breech mechanism, an adjustable shifting-pin carried in the sliding grip and adapted to engage the forward ends of said rods and means for releasing said pin from one of said rods when the grip is at its forward limit.

5. In a gun of the class described, a plurality of longitudinally-movable rods to actuate the breech mechanism of each barrel of the gun, a sliding grip mounted beneath the forward end of the rods, a rearwardly-extending arm therein, oppositely-disposed detents thereon and means for engaging each detent with the adjacent rod and actuating the same.

6. In a device of the class described, the combination with the barrels and the breech mechanisms therefor, of a grip below the barrels and slidable longitudinally thereof, longitudinally-movable rods engaged each at its rear end in one of the breech mechanisms and at its front end extending within said grip, a shifting-pin in the grip, an arm thereon and detents on said arm to engage respectively in apertures in the respective rods and a spring acting to hold one of said detents normally in engagement with one of said rods, a lip on one of said detents acting to hold the detent in engagement with its rod, and means for detaching said detent from said rod at the forward limit of movement of said grip.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

ORT COOK.

Witnesses:

A. C. ODELL,  
ANNA B. HILLS.