

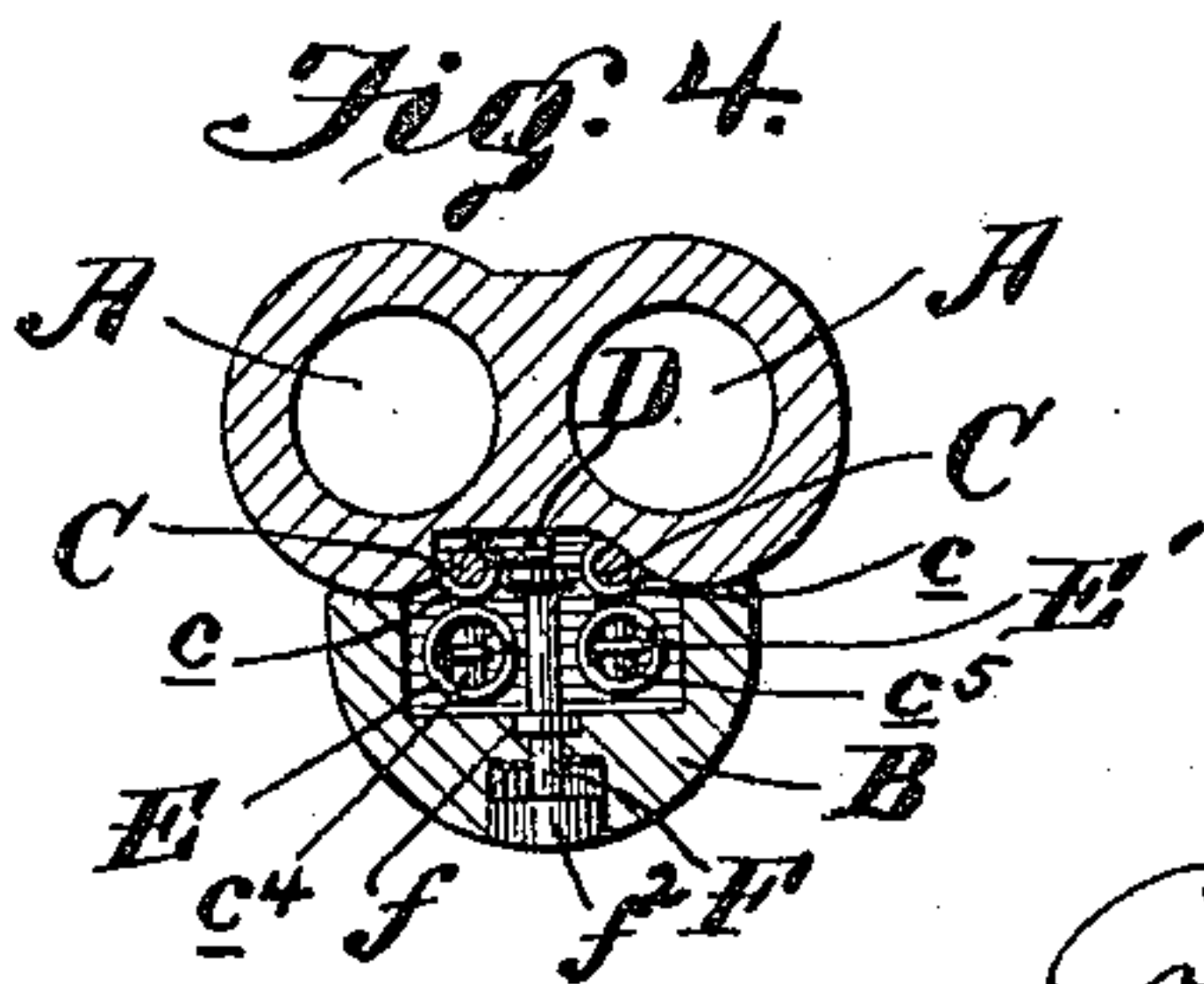
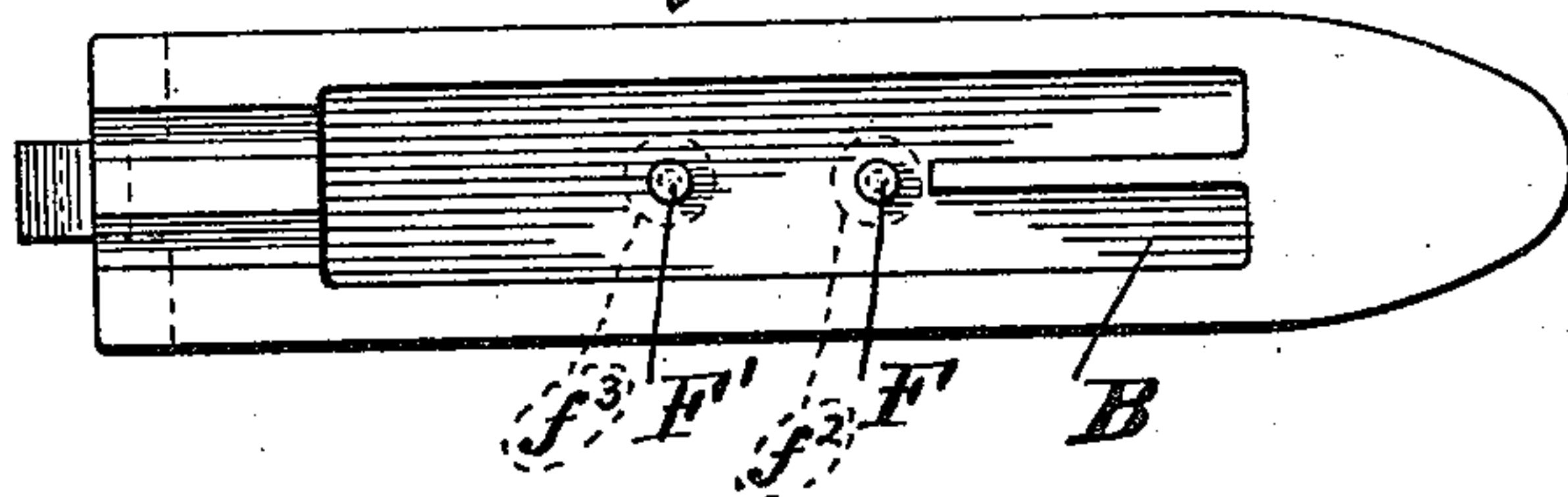
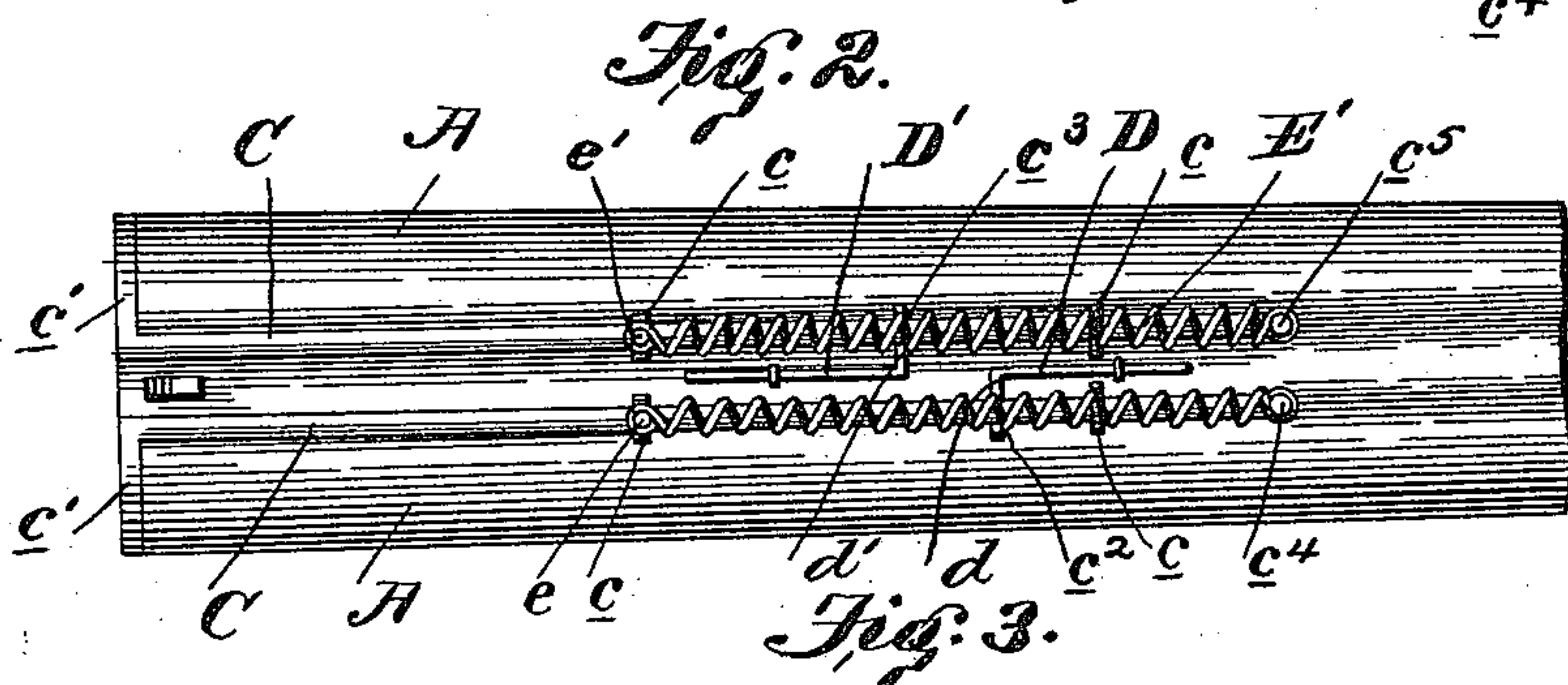
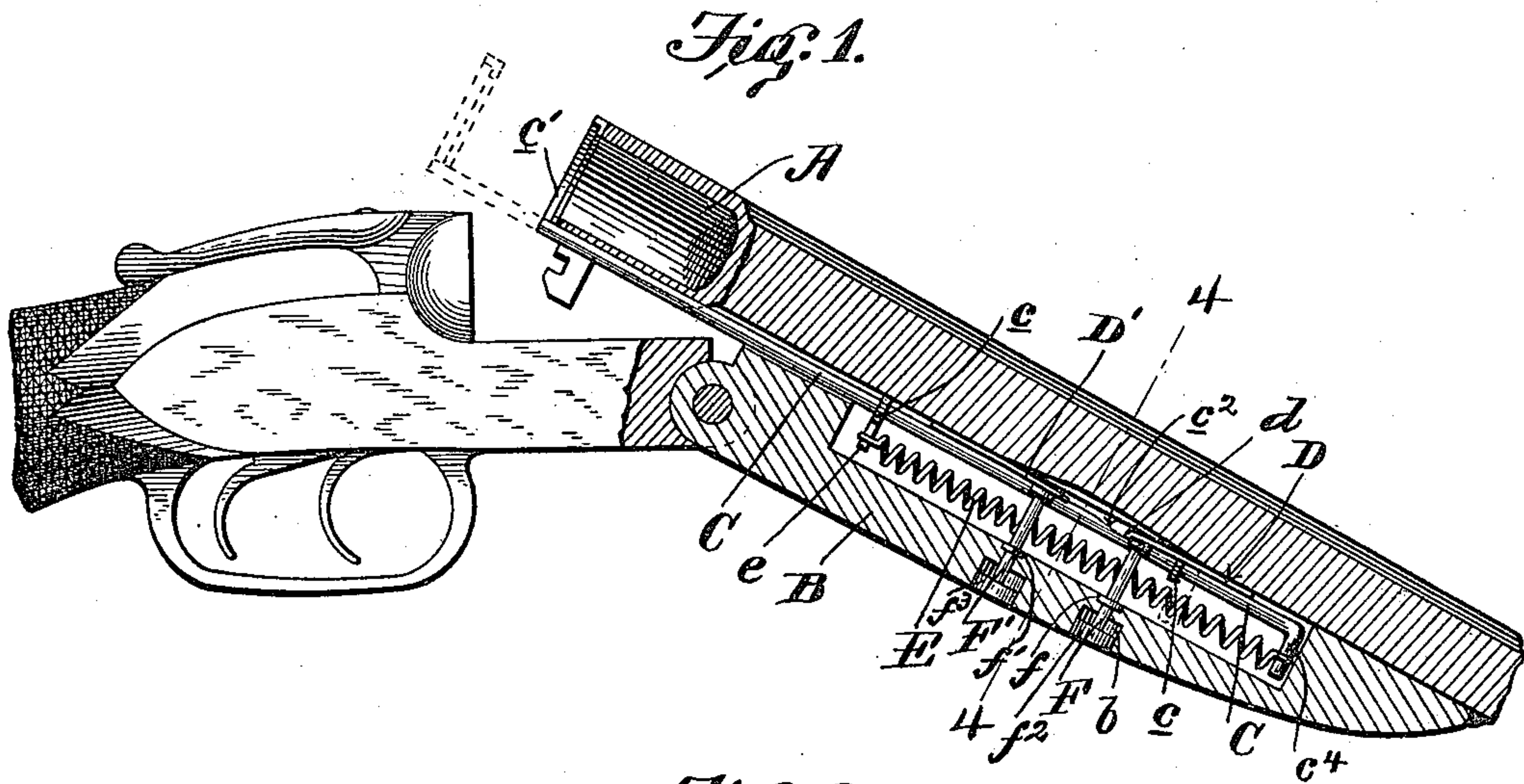
No. 631,349.

Patented Aug. 22, 1899.

C. H. WAYMAN.
CARTRIDGE EJECTOR FOR GUNS.

(Application filed Feb. 15, 1899.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

COLEMAN H. WAYMAN, OF PRINCETON, MISSOURI.

CARTRIDGE-EJECTOR FOR GUNS.

SPECIFICATION forming part of Letters Patent No. 631,349, dated August 22, 1899.

Application filed February 15, 1899. Serial No. 705,531. (No model.)

To all whom it may concern:

Be it known that I, COLEMAN H. WAYMAN, a citizen of the United States, residing at Princeton, in the county of Mercer and State of Missouri, have invented certain new and useful Improvements in Cartridge-Ejectors for Guns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in cartridge-ejectors for guns and is particularly applicable to double-barrel breech-loading guns.

In the prior state of the art, as far as I am aware, cartridge-ejectors for breech-loading guns have been constructed and designed to eject or throw out the shell upon the breaking of the gun to reload, and in double-barrel guns both shells have been ejected simultaneously.

Among other objects it is the object of my invention to provide a breech-loading gun with a cartridge-ejector designed and adapted to be operated at the will of the user of the gun and not to be automatically operated by the breaking of the gun.

A further object is to provide double-barreled breech-loading guns with means for ejecting the shells independently from the barrels at the will of the user, so that if he desires for any reason to eject one shell and permit the other to remain in the gun, as in the case where but one shell has been exploded, such can be done.

It is a further object of my invention to so locate and arrange the parts of the ejecting means that the barrel or barrels can be removed from the stock, as is usual in the ordinary breech-loading guns.

A further object of the invention is to generally improve and simplify the construction of a cartridge-ejecting means for a breech-loading gun.

With such and other objects in view my invention is embodied in the parts, arrangement, and combination of parts hereinafter described, and particularly set forth in the claims.

In the accompanying drawings I have shown a practical embodiment of the inven-

tion; but desire it to be understood that I do not limit my improvements in their useful applications to the construction which for the sake of illustration I have therein delineated.

In the said drawings, Figure 1 is a longitudinal sectional view through a portion of a double-barreled gun, showing my improvements applied thereto. Fig. 2 is a plan view showing the under side of the barrels removed from the forward stock. Fig. 3 is a plan view of a portion of the forward stock. Fig. 4 is a transverse sectional view on the line 4 4 of Fig. 1.

Referring to the drawings, wherein like reference characters refer to similar parts throughout the several views, A represents the barrel or barrels, a double-barreled gun being shown in the present instance, and B represents the forward or hinged stock. Only portions of these parts are illustrated, as in general construction and arrangement they are the same as in the usual breech-loading gun, and I do not deem it necessary for the proper illustration of my invention to show more thereof. The forward stock is, as usual, removably secured to the barrel or barrels by any suitable lock. (Not shown.)

C represents a longitudinally-movable bar slidably mounted in suitable bearings, such as *c c*, on the under side of the barrel. This rod is provided at its rear with a portion shaped to properly engage the flange on a cartridge in the gun-barrel, and the gun-barrel at its rear end is provided with a recessed portion in which said cartridge-engaging portion *c'* seats, so as to provide a continuous bearing for the cartridge-flange. As the illustrations in the drawing show a double-barrel gun, two of said rods are shown, one for each barrel. Said rods or bars C are provided with shoulders or notches *c² c³*. Secured to the gun-barrels are two springs *D D'*, preferably laterally between the bores of the barrels and oppositely arranged. These springs are provided with laterally-projecting fingers or portions *d d'*, each adapted normally to seat in one of said notches *c² c³* in the rods or bars C.

E E' represent two springs, here shown as coil-springs, each secured to the under side of the barrels in any suitable manner, as by having hooks at their ends engaging on depending lugs or studs *e e'* on the barrels and

secured at their other ends each to one of the movable rods C and each tending always to force the rod to which it is attached rearward to eject the shell. The bars are held forward or in their normal position by the said springs D D' engaging in the notches, as before stated.

The forward stock B is properly recessed or grooved to provide space for the several parts secured to the under side of the barrels and to permit the free and proper operation thereof.

Working in bearings or holes *b* in the stock are two push buttons or pins F F', provided, respectively, with shoulders or other means *f f'* to prevent their displacement from said holes. These push buttons or pins are provided at their outer ends with heads *f² f³*, which lie substantially flush with the outer face of the forward stock B, so as not to furnish projections to catch or strike surrounding objects. Each of said push-buttons is arranged adjacent to one of said springs D D', and they are adapted by the inward movement of the push-buttons to engage said springs and release the same from the notches or shoulders *c² c³* on the movable rods or bars C and permit the springs EE' to act on their respective bars to throw the same rearward to eject the cartridge.

Suitable stops—such, for instance, as the rear bearings *c*—are provided to limit the outward movement of the bars C by engaging projections *c⁴ c⁵* on said bars.

The operation and use of my invention will be readily understood it is believed from the foregoing description, it being necessary only to state that when the user of the gun desires to eject one or both of the shells or cartridges it is simply necessary for him to break the gun in the usual manner and by inward pressure on either of said push-buttons *f f'*, according to which shell he desires to eject, can thereby release the spring D or D' from the notch in its bar C and permit the same to be moved rearward by the force of the spring E or E', thereby throwing the shell from the gun. It is of course obvious that either shell can be ejected at pleasure or that both shells

can be ejected simultaneously by pressing both the push-buttons simultaneously.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a breech-loading gun, the combination of a longitudinally-movable bar slidably mounted in bearings on the under side of the gun-barrel, and having a cartridge-engaging portion, a spring acting to force the said bar rearwardly to eject the cartridge, a spring-piece secured to the gun-barrel beside said bar and extending parallel therewith, a finger on said spring-piece extending horizontally above said bar and adapted to engage a shoulder on the upper side thereof and hold said bar against the action of said spring, and a vertically-disposed push-button slidably mounted in the under side of the stock in line with said spring-piece and adapted to engage the same to release said bar, substantially as described.

2. In a double-barreled breech-loading gun, the combination of two longitudinally-movable bars each slidably mounted in bearings on the under side of one of the barrels and each having a cartridge-engaging portion, a spring for each bar acting to force the same rearwardly to eject the cartridge, two oppositely-arranged spring-pieces secured to the barrels between said rods and extending parallel with said rods one in advance of the other, a finger on each spring-piece extending across one of said bars and adapted to engage a shoulder thereon and hold said bar against the action of its spring, and vertically-disposed push-buttons slidably mounted in the under side of the stock one in advance of the other and each in line with and adapted to engage one of said spring-pieces to release said bars, substantially as described.

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

COLEMAN H. WAYMAN.

Witnesses:

ELDON C. ORTON,
ISAAC A. CRIGLER.