

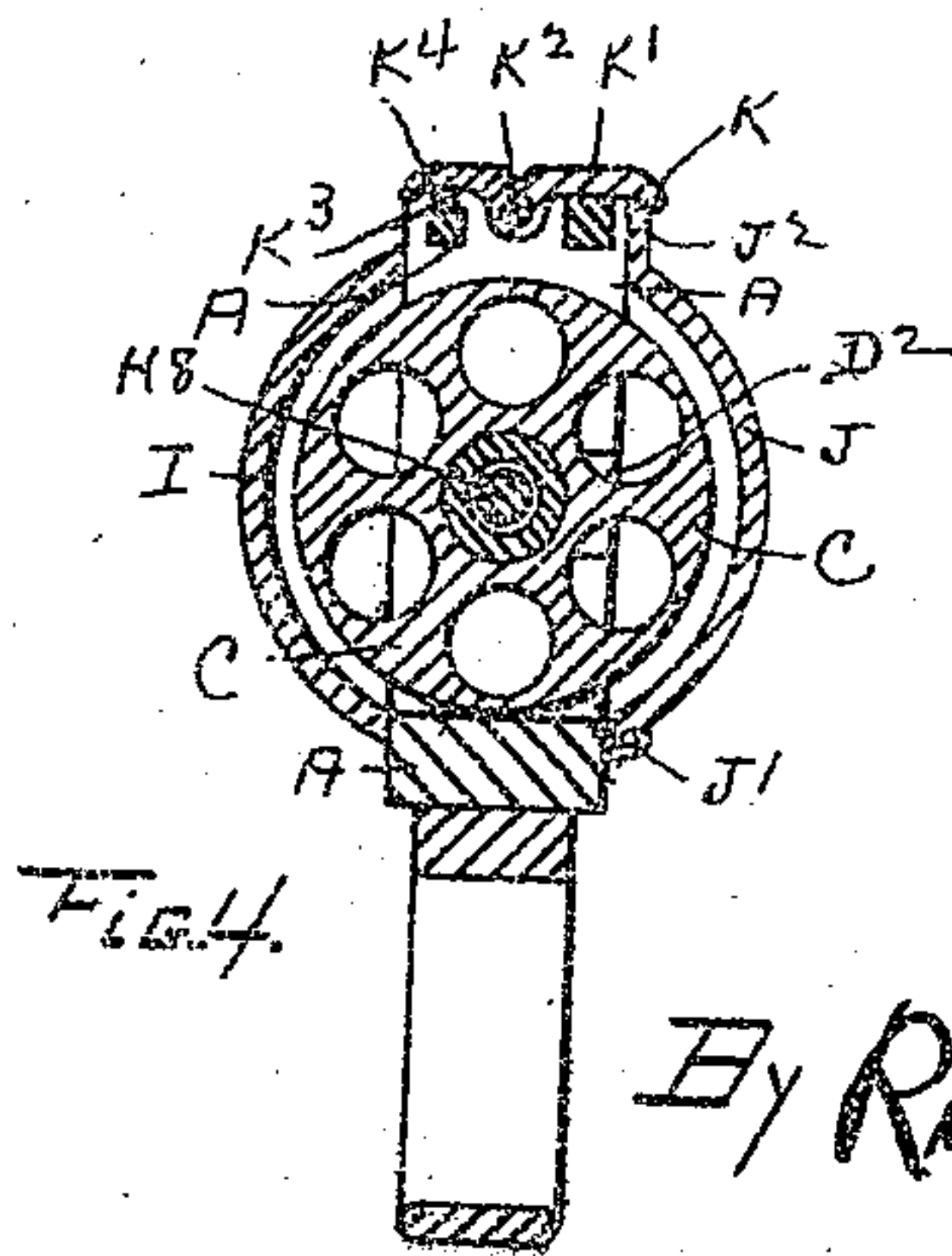
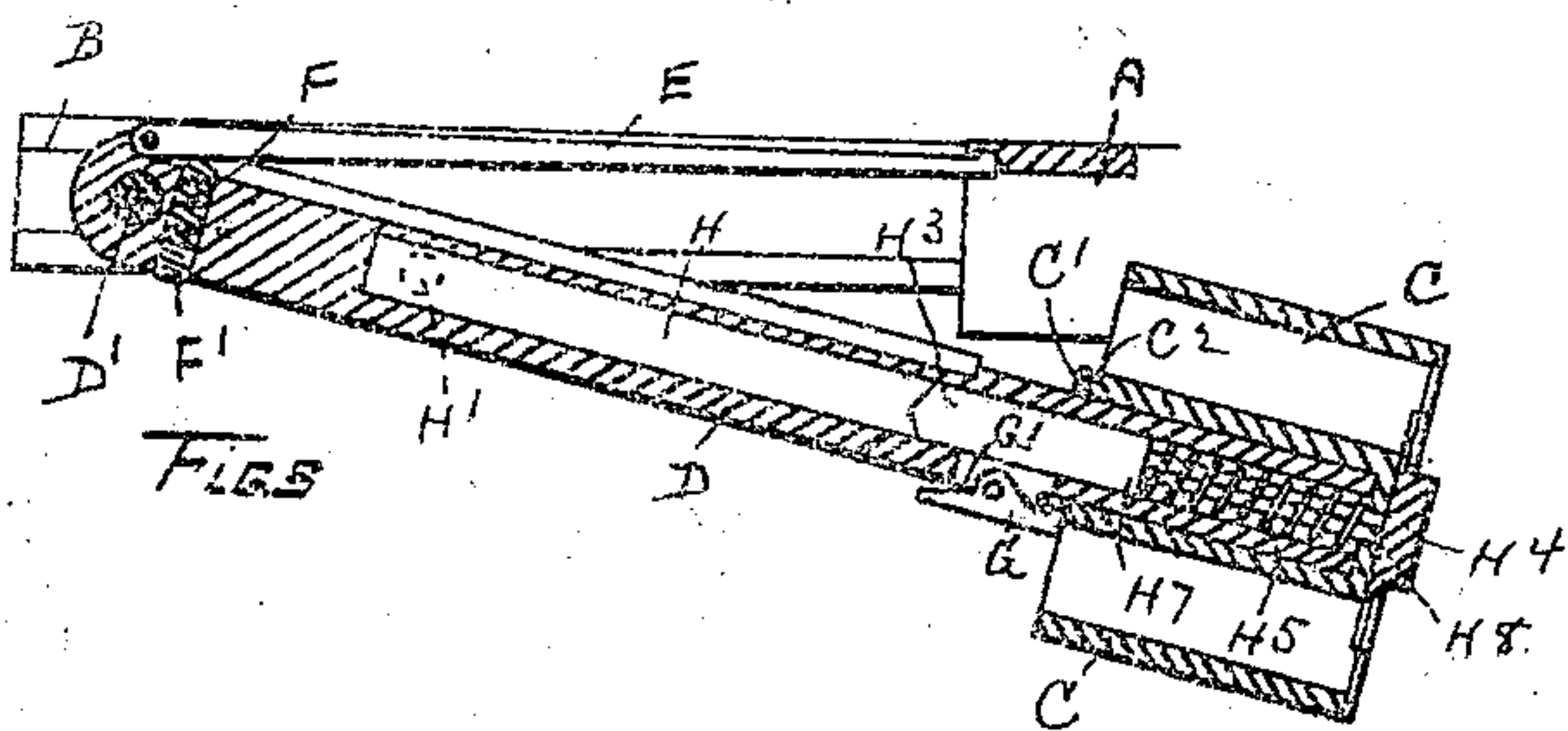
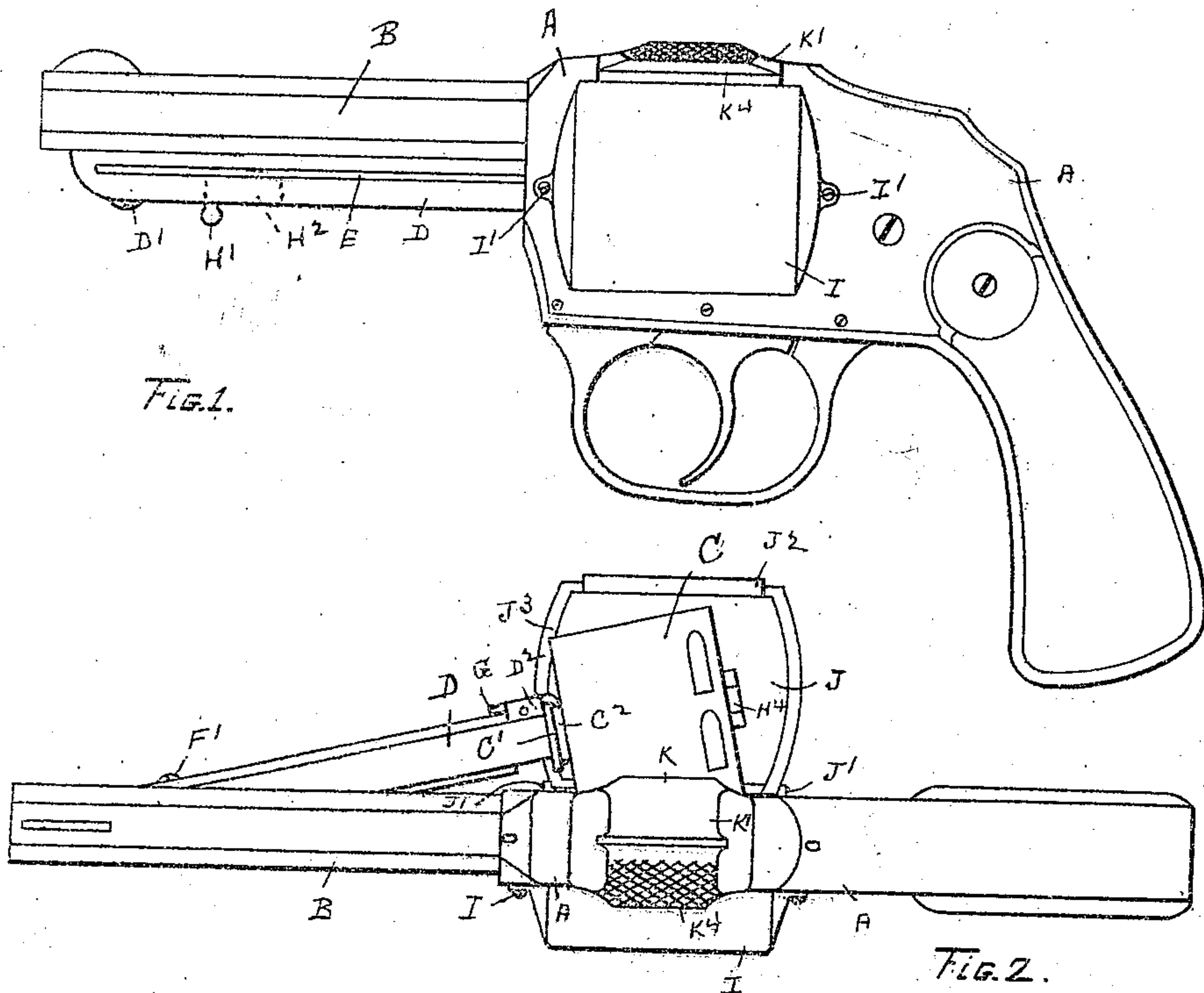
No. 697,517.

Patented Apr. 15, 1902.

O. F. MOSSBERG.  
REVOLVING FIREARM.

(Application filed Aug. 30, 1899.)

(No Model.)



Witnesses:  
Samuel T. Hobbs.  
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# UNITED STATES PATENT OFFICE.

OSCAR F. MOSSBERG, OF FITCHBURG, MASSACHUSETTS, ASSIGNOR TO MARY ELIZABETH JOHNSON, OF FITCHBURG, MASSACHUSETTS; EXECUTRIX OF IVER JOHNSON, DECEASED.

## REVOLVING FIREARM

SPECIFICATION forming part of Letters Patent No. 697,517, dated April 15, 1902.

Application filed August 30, 1899. Serial No. 728,939. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR F. MOSSBERG, a citizen of the United States, residing at Fitchburg, in the county of Worcester and Commonwealth of Massachusetts, have invented new and useful Improvements in Revolving Firearms, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 represents a side view of a revolving firearm embodying my invention. Fig. 2 is a top view of the same with the cylinder-case opened and the cylinder released. Fig. 3 is a horizontal sectional view through the cylinder and the swinging arm on which the cylinder is mounted. Fig. 4 is a transverse sectional view through the cylinder.

Similar letters refer to similar parts in the different figures.

My present invention relates to that class of revolving firearms in which the cylinder is journaled on an arm hinged below the barrel in order to allow the cylinder to be swung to one side of the frame; and it has for its objects to improve the construction of the hinged cylinder-carrying arm and to provide means for inclosing the cylinder and holding it in its firing position, and these objects are accomplished by means of the construction and arrangement of parts as hereinafter described, the novel features being set forth in the annexed claims.

Referring to the accompanying drawings, A denotes the frame, B the barrel, and C the cylinder, of a revolving firearm. The cylinder C is journaled upon the end of an arm D, which is pivoted at D' beneath the barrel, and in the present instance to the under side of the barrel. A bar E is pivoted at one end to the arm D, with its opposite end bearing against the frame A. A spiral spring F, held in a recess in the arm D, has one of its ends bearing against the bar E and its opposite end bearing against a screw F', held in the arm D, so that the tension of the spring F is exerted to rock the arm D on its pivot D' and swing the cylinder to one side of the frame, as shown in Figs. 2 and 3. The pressure of the spring F is received near the end of the

bar E, which is pivoted to the swinging arm D, while the opposite end of the bar E is held from movement by its contact with the fixed frame of the firearm, thereby allowing the arm D, bar E, and spring F to be assembled prior to pivotally attaching the arm D to the barrel, and any slight variation in the relative position of the pivot of the arm does not affect the operation of the device, as the pivotal connection of the bar E is carried by the arm D. The arm D is provided at its free end with a cylindrical bearing for the cylinder C, which is held in place by means of a collar C', projecting from the end of the cylinder and having a groove C<sup>2</sup>, which is engaged by the hooked end of a latch G, pivoted in a lug D<sup>2</sup> on the arm D and held in engagement with the groove C<sup>2</sup> by a spring G'. Sliding in the arm D is a bar H, which is provided with a knob H', extending through a slot H<sup>2</sup> in the arm D. The end of the bar H is in contact with the end of an extractor-spindle H<sup>3</sup>, which carries an extractor-head H<sup>4</sup> and is held in its normal position by a spiral spring H<sup>5</sup>, surrounding the reduced shank of the spindle H<sup>3</sup>, with one of its ends bearing against a collar H<sup>7</sup> on the extractor-spindle.

When the cylinder C is held in its normal or firing position in the frame A, it is inclosed by the covers I and J. The cover I is attached by screws I' to the frame, and the cover J is hinged to the frame at J' and its upper edge is provided with the flange J<sup>2</sup>, which is engaged by the lip K of a latch-plate K', pivoted at K<sup>2</sup> to the frame and held in engagement with the flange J<sup>2</sup> of the cover J by means of a small blade-spring K<sup>3</sup>, interposed between the rigid frame of the firearm and the edge K<sup>4</sup> of the latch-plate. In order to unlatch the cover J and release the cylinder C, the edge K<sup>4</sup> of the latch-plate is depressed, permitting the tension of the spring F to swing the cylinder C to one side of the frame and push open the cover J, as shown in Fig. 2. Closing the cover J crowds the cylinder C into its normal or firing position and holds it by the contact of the edge J<sup>3</sup> of the cover J against the lug D<sup>2</sup>, so that the hinged cover



J serves as a latch to maintain the cylinder in its normal or firing position.

The extractor-spindle  $H^3$  next the head  $H^4$  is polygonal in cross-section and slides in a similar polygonal hole in the cylinder, as shown at  $H^5$ , Figs. 3 and 4, by which the spindle  $H^3$  is held from turning in the cylinder and the head  $H^4$  maintained in registration with the chambers of the cylinder.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination with the frame and barrel of a revolving firearm, of an arm pivoted at one end beneath the barrel, a cylinder carried by the free end of said arm, a rigid bar pivoted at one end to said cylinder-arm with its free end bearing against the frame, and a spring between said bar and said cylinder-arm to separate the same, substantially as described.

2. The combination with the frame and barrel of a revolving firearm, of an arm pivoted at one end to the barrel, a cylinder carried by and capable of rotating on the free end of said arm, a rigid bar pivoted at one end to said arm, a spiral spring held in said arm with one end bearing against said bar to crowd it away from said arm, and a screw held in the arm and bearing against the opposite end of said spiral spring, substantially as described.

3. The combination with the frame and the barrel of a revolving firearm, of an arm pivoted beneath said barrel, a cylinder journaled on the end of said arm, a spring applied to said arm to swing it on its pivot, a lug projecting from said arm, and a cover for the cylinder pivoted on said frame and bearing against said lug to hold the cylinder in its normal or firing position, substantially as described.

4. The combination with the frame and the barrel of a revolving firearm, of an arm pivoted at one end beneath said barrel, a cylinder journaled on the free end of said arm and capable of swinging in a horizontal plane, a spring applied to said arm to swing said cyl-

inder out of its normal firing position, a cover for said cylinder hinged at one end to said frame and bearing against said arm to hold the cylinder in its firing position and means for holding said cover against the pressure of the cylinder, substantially as described.

5. The combination with the frame and barrel of a revolving firearm, of a rotating cylinder held in said frame and in its normal position of firing, a cover inclosing one side of said cylinder, said cover being hinged at its lower edge to said frame and having a lip at its upper edge, a rocking plate forming the top plate of the frame and hinged beneath its center and a spring to carry one edge of said plate into engagement with said lip with the opposite edge of said plate forming a thumb-piece by which it is rocked to release said cover, substantially as described.

6. In a revolving firearm, the combination with a frame and a barrel carried therein and a revolving cylinder held in a firing position, a cover hinged to said frame and inclosing said cylinder, a plate forming the top plate of the frame and hinged beneath its center and a spring acting on said plate to hold it in engagement with said cover, substantially as described.

7. The combination of a frame A and barrel B, of an arm D pivoted at its end to said barrel and provided with a longitudinal slot  $H^2$ , a cylinder journaled on the free end of said arm, an ejector with its stem held in said arm, a spring to hold said ejector in its normal position and a knob  $H^1$  projecting from said ejector-stem through said slot, and means for holding said cylinder on said arm during the sliding movement of said ejector, substantially as described.

In testimony whereof I have signed my name to this specification, in presence of two subscribing witnesses, August 24, 1899.

OSCAR F. MOSSBERG.

Witnesses:

GUSTOF ELLSTROM,  
ALBERT H. ADDIS.