

H. M. KOLB.

FIREARM.

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954,191.

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Fig. 1.

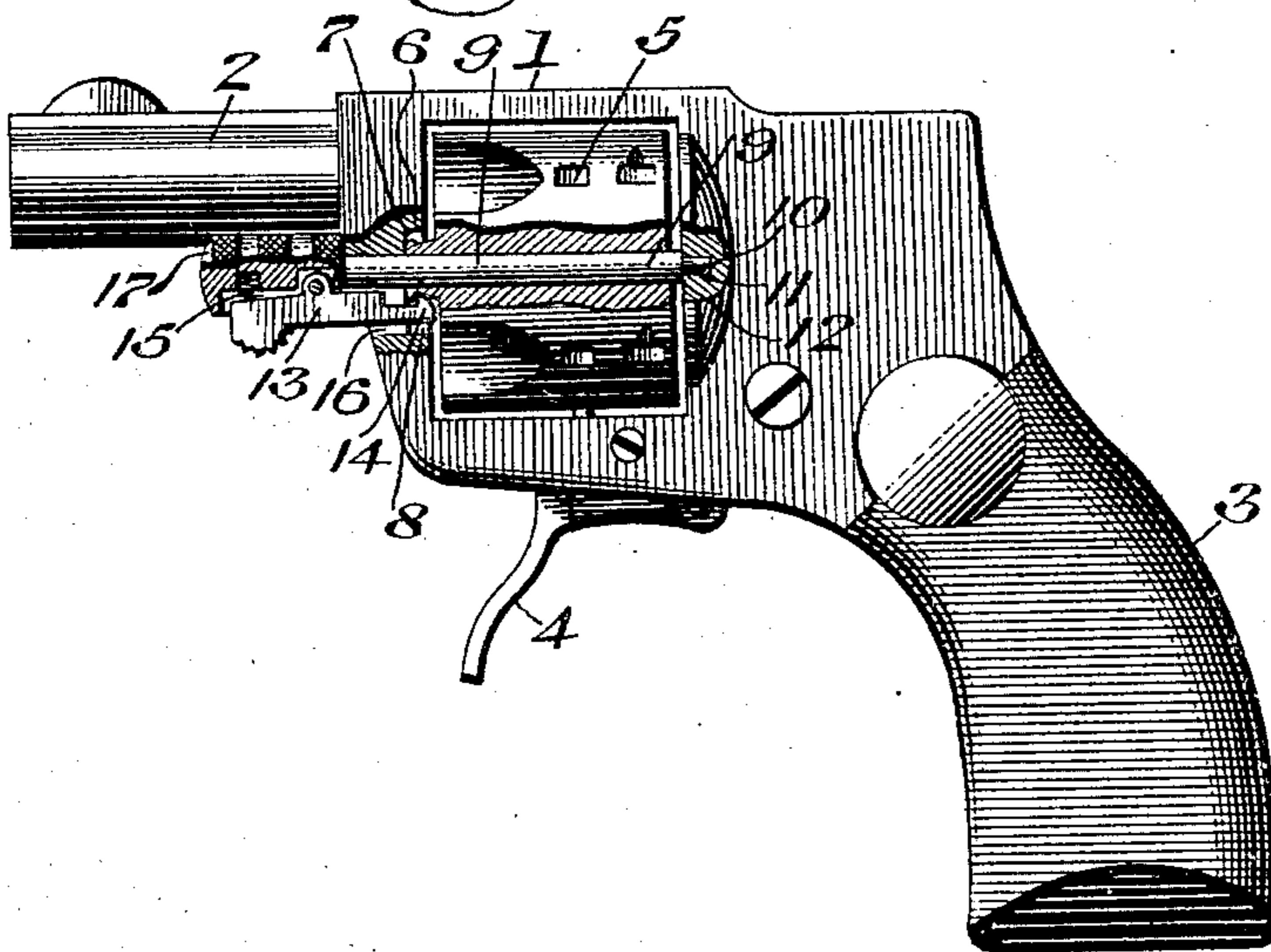
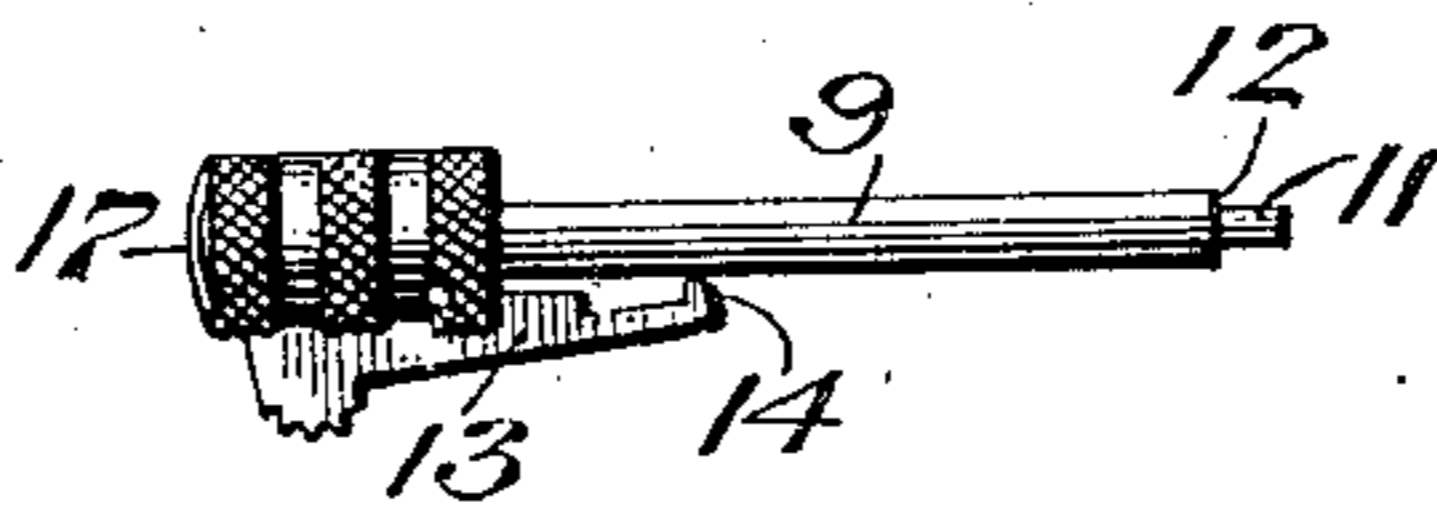


Fig. 2.



WITNESSES

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HENRY M. KOLB, OF PHILADELPHIA, PENNSYLVANIA.

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Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed November 1, 1909. Serial No. 525,645.

To all whom it may concern:

Be it known that I, HENRY M. KOLB, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Firearm, of which the following is a specification.

My invention relates to a new and useful fire arm wherein I provide novel means for rotatably mounting the cylinder and for locking the same together with its supporting rod in position.

It further consists of a laterally removable cylinder and a longitudinally removable rod with means common to said cylinder and rod for locking the same together whereby each is prevented from displacement.

It further consists in pivotally mounting, on the rod, a catch for engagement with the cylinder whereby both cylinder and rod are prevented from displacement.

It further consists of novel features of construction, all as will be hereinafter fully set forth.

Figure 1 represents a partial side elevation and partial section of a fire arm embodying my invention. Fig. 2 represents a side elevation of the rod and catch pivoted thereto in detached position.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, I have found in the fire arms, and more particularly of the revolver type, wherein a laterally removable cylinder is employed, that owing to the number of parts used or employed that the device easily gets out of order.

My invention is designed to overcome these defects and to provide a very simple but effective locking means for holding a cylinder in place in the frame and also locking the rod in position which rotatably supports the cylinder.

In the drawing, I have shown an embodiment of my invention which I have found in practice operates successfully but it will be evident that changes may be made in the construction, the arrangement of the parts may be varied and other instrumentalities may be employed which will come within the scope of my invention and I do not therefore desire to be limited in every instance to the exact form as herein shown

and described but desire to make such changes as may be necessary.

1 designates the frame of a fire arm, in the present instance, a revolver, having the barrel 2, handle 3 and trigger 4 and it being understood that all the operating parts that may be necessary are employed for actuating the hammer and firing pin and for locking the cylinder against rotation, at the proper time.

5 designates a laterally removable cylinder provided with a bore and proper receptacles for the cartridge and which is provided with the forwardly projecting neck terminating in or provided with a flange or collar 7, it being understood that the frame of the fire arm is provided with a suitable opening for receiving the cylinder and is also provided with a slot 8 extending outwardly to one side of the frame for receiving the neck 6 and flange 7 thereon, of the cylinder, and for permitting the insertion and removal of the latter.

9 designates a longitudinally movable rod which is adapted to be inserted through an opening in the frame 1 of the fire arm and to pass through the bore of the cylinder and is of suitable size to fit the same, the end of said rod being seated in a suitable opening or recess 10 formed in the frame 1 at the rear of the cylinder 5 and, in the present instance, the end 11 of said pin 9 is reduced, forming a shoulder 12 thereon, said reduced portion 11, in the present instance, being seated in the recess 10 and the shoulder 12 being adapted to abut the wall of the opening in the frame 1 when the parts are in position, as best seen in Fig. 1. It will be understood, that the said rod 9 serves as a support for the cylinder upon which it rotates and by reason of its engagement with the frame 1 prevents the lateral removability of the said cylinder. In order to lock the rod in position and prevent the same from being longitudinally displaced, I have pivotally mounted on said rod in any suitable manner a pawl or catch 13 which has a nose 14 adapted to engage with the flange or collar 7 on the cylinder and has bearing against the same, upon the opposite side of its pivotal point, a spring 15 which tends to hold the nose in engagement with the said flange but the tension of which can be overcome manually

by pressing against the proper end of the said pawl or catch as will be evident, it being understood that the nose end of the pawl extends inwardly through a suitable slot 16 in the frame 1 to a suitable extent to permit suitable movement of the catch to release the nose from engagement with said flange. As previously stated, the pawl 13 is pivotally mounted upon the rod 9 in any suitable manner and in the drawing, I have shown a head 17 on said rod and which head is provided with a suitable slot in which the pawl is seated, and is guided in its movement thereby, said head in addition serving as a convenient means for grasping the rod for the handling of the same.

It will be understood from the above, by reason of the engagement of the pawl 13 with the cylinder, that the longitudinal movement of the rod is prevented, so that, while the rod locks the cylinder from lateral movement, I provide means common to the rod and cylinder for preventing longitudinal movement of the rod and thus the rod and cylinder serve as locking means for each other while at the same time the cylinder can freely rotate on the rod being actuated by the necessary mechanism. The spring actuated pawl bearing against the neck 6 provides sufficient friction to prevent undue rotation of the cylinder.

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

1. In a device of the character stated, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder laterally removable and rotatably supported by said rod and which rod prevents lateral movement of said cylinder and means common to said rod and cylinder for locking said rod and cylinder directly together and preventing longitudinal movement of said rod, until suitably actuated therefor.

2. In a revolver, a frame, a cylinder laterally removable therefrom, a rod passing through and rotatably supporting said cylinder and into the frame to prevent lateral movement of said cylinder, and latch engagement between the rod and cylinder preventing longitudinal movement of the rod until suitably actuated therefor.

3. In a device of the character stated, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder rotatably mounted on said rod and laterally removable from said frame, spring actuated means pivotally mounted on said rod, and a flange on said cylinder with which said spring actuated means engages for preventing the longitudinal movement of said rod.

4. In a device of the character stated, a frame, a rod suitably supported by said

frame and longitudinally removable therefrom, a cylinder laterally removable from said frame and rotatably mounted on said rod and prevented from lateral movement until the rod is removed, a spring actuated catch pivotally mounted on said rod and engaging with a recess in said cylinder for preventing longitudinal movement thereof and so locking the parts in proper position.

5. In a device of the character stated, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder laterally removable from said frame and rotatably mounted on said rod, a neck on said cylinder having a flange thereon, and a spring actuated catch pivotally mounted on said rod and adapted to engage said flange for preventing longitudinal movement of said rod until released.

6. In a device of the character stated, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder laterally removable from said frame and rotatably mounted on said rod, a neck on said cylinder having a flange thereon, a pawl pivotally mounted on said rod, and adapted to engage said flange, and a spring for holding said pawl in engagement with said flange for preventing longitudinal movement of said rod.

7. In a device of the character described, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder laterally removable and rotatably supported by said rod which prevents the lateral movement of said cylinder, and spring actuated means on said rod, engaging with said cylinder for locking the same with respect to each other and bearing against said cylinder to provide sufficient friction to prevent undue rotation thereof.

8. In a device of the character stated, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder rotatably mounted on said rod and laterally removable from said frame, and a spring actuated pawl pivotally mounted on said rod and engaging said cylinder for locking the parts together and providing sufficient friction to prevent undue rotation of the cylinder.

9. In a device of the character stated, a frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder rotatably mounted on said rod and laterally removable from said frame, spring actuated means pivotally mounted on said rod and a flange on said cylinder with which said spring actuated means engages for preventing removal of said rod and said spring actuated means providing sufficient friction upon the cylinder, to prevent undue rotation thereof.

10. In a device of the character stated, a

frame, a rod supported by said frame and longitudinally removable therefrom, a cylinder laterally removable from said frame, and rotatably mounted on said rod, a neck
5 on said cylinder having a flange thereon, a pawl pivotally mounted on said rod and adapted to engage said flange for locking the rod with respect to said cylinder and a

spring for holding said pawl in engagement with said flange and against said neck exert- 10
ing friction thereon to prevent undue rotation of the cylinder.

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Witnesses:

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