M. TAYLOR.

GUN LOCK.

APPLICATION FILED APR. 26, 1909.

955,015.

Patented Apr. 12, 1910.

Fig. 1

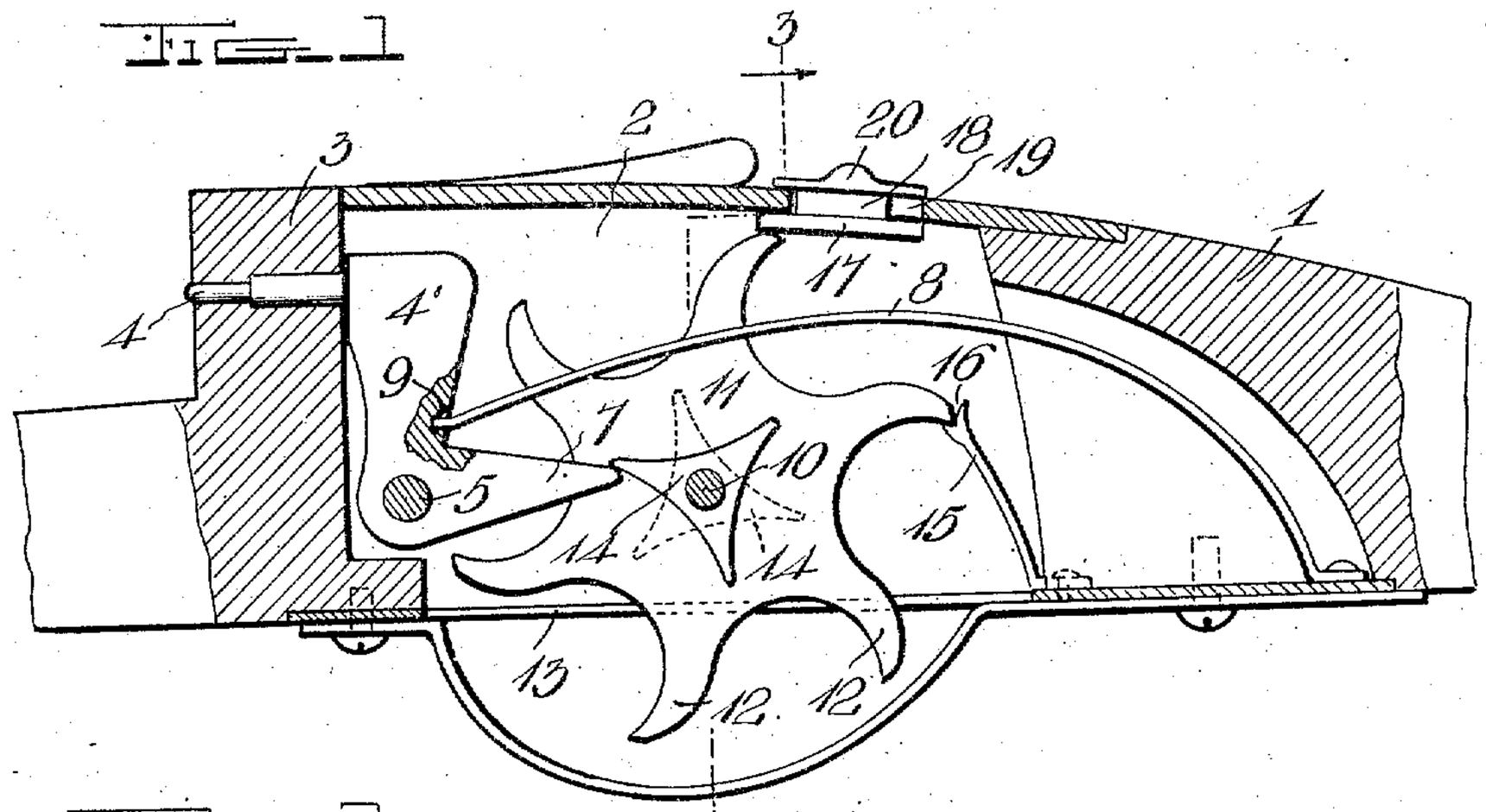
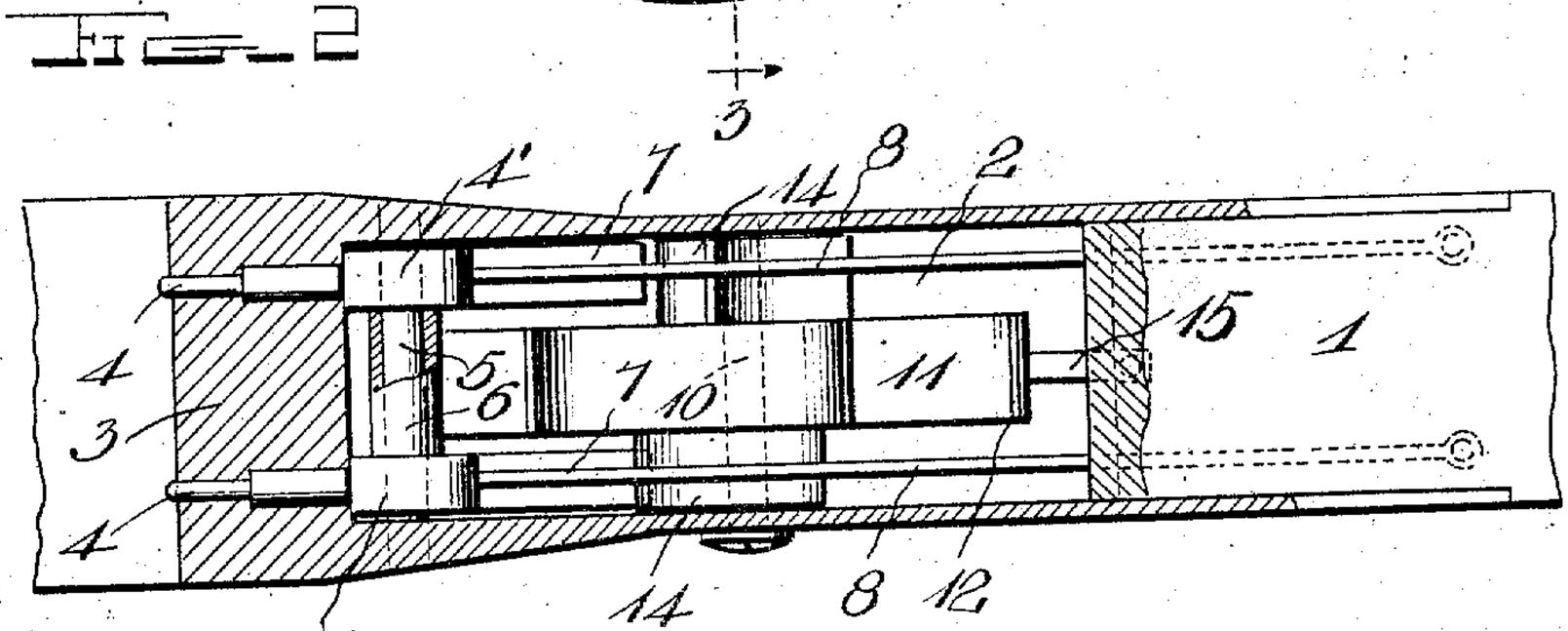


Fig. 2



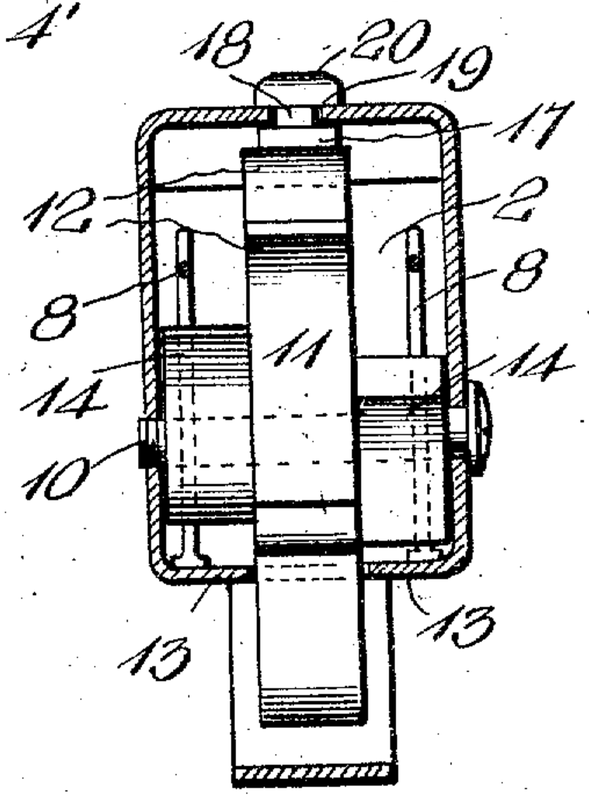


Fig. 3

Witnesses

C. Clemmer

C. H. Griebauer.

Inventor

Marion Taylor.

by H. Wilson & Co

Attorneys

UNITED STATES PATENT OFFICE.

MARION TAYLOR, OF SOUDAN, VIRGINIA.

GUN-LOCK.

955,015. Specification of Letters Patent. Patented Apr. 12, 1910.

Application filed April 26, 1909. Serial No. 492,213.

To all whom it may concern:

Be it known that I, MARION TAYLOR, a citizen of the United States, residing at Soudan, in the county of Mecklenburg and State of Virginia, have invented certain new and useful Improvements in Gun-Locks; and I do 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 gun locks.

The object of the invention is to provide a gun lock having an improved construction of self cocking firing mechanism comprising a rotary trigger adapted to be repeatedly operated and having means to successively engage and operate the hammer or hammers of the gun.

A further object is to provide a safety mechanism to prevent the casual operation of the trigger and accidental discharge of the gun.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a vertical longitudinal sectional view of a portion of a double barrel gun, showing the application of my improved firing mechanism; Fig. 2 is a horizontal sectional view of the same; Fig. 3 is a vertical cross sectional view taken on the line 3—3 of Fig. 1.

In the accompanying drawing, wherein the invention is shown as applied to a double barrel shot-gun, 1 denotes the gun stock, 2 denotes the lock chamber and 3 denotes the breech of the gun. Arranged in the breech 3 are the usual firing pins 4 and in the lock chamber 2, immediately in rear of the breech 3, is arranged the firing hammer or hammers 4′, said hammers being pivotally mounted upon a pivot pin or bolt 5. The hammers are held apart and in operative position to engage the firing pins by means of a sleeve 6 arranged on said pin or bolt, as shown. The hammers are provided with rearwardly projecting trip lugs 7 adapted to be engaged by a trigger mechanism hereinafter described.

Suitably arranged and secured at one end in the lock chamber are hammer operating springs 8, the forward ends of which are engaged with suitable notches 9 whereby the hammers, when tripped by the trigger mechanism, will be projected into forcible engagement with the firing pins to cause the latter to explode the cartridges in the gun.

Revolubly mounted on a pivot pin or bolt 10 in the lock chamber 2 is a rotary trigger 11 comprising a plurality of radially projecting slightly curved finger engaging lugs or triggers 12 which project through a suitable slot or aperture in the bottom of the lock casing and are protected by a suitable guard 13 arranged on the lower side of the lock chamber, as shown. Fixedly mounted on the opposite sides of the rotary trigger 11 are star wheels 14, said wheels being preferably integral with the trigger. The radially projecting points of the star wheel on one side of the trigger, are disposed in a plane midway between the points of the wheel on the opposite side of the trigger whereby when the trigger is revolved, the points of the opposite star wheels will engage the trip lugs 7 of first one hammer and then the other so that the barrels of the gun will be alternately fired.

In order to prevent a retrograde movement of the trigger, I provide a spring pawl 15 having in its upper end a notch 16 which is arranged in position to engage the point of each trigger or finger lug 12, as it passes the pawl in its upward movement thereby preventing a reverse movement of the trigger. In addition to the pawl 15, I preferably provide a safety device whereby the trigger may be held or locked against movement, said safety device comprising a stop plate 17 which is slidably mounted on the underside of the upper plate of the lock chamber and is provided with a stem or shaft 18 which projects through slot 19 in the upper plate of the lock casing and is slidably mounted therein. The shaft 18 is provided on its outer end with a thumb plate or head 20 which is adapted to be engaged by the thumb of the operator and the plate 17 thereby projected or retracted into and out of the path of movement of the trigger or finger lugs 12 whereby, when the plate is in operative position, the trigger will be held against rotation in a forward direction, said trigger being also held against movement in a reverse direction by the pawl 15, as hereinbefore described.

A firing mechanism constructed in accord-

ance with my invention, may be employed in connection with single or double barrel guns and is shown in the present instance as being applied to the latter form of gun.

By means of my improved trigger mechanism, when applied to a double barrel gun, the annoyance occasioned by the pulling of the wrong trigger, as frequently occurs in connection with double trigger guns, is entirely obviated as the mechanism is always in position for operating the proper hammer at the proper time.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claims.

Having thus described my invention, what I claim is:

1. In a firing mechanism for guns, a lock chamber, a pivot bolt in said chamber, spring projected hammers pivotally mounted on said bolt and concealed within said chamber, a sleeve to hold said hammers in operative position, trip lugs on said hammers, a rotary trigger revolubly mounted in said chamber, a plurality of finger lugs on said trigger, star wheels on the opposite sides of said trigger, said wheels having their points arranged to engage first one and then the other of the trip lugs on said hammers, a spring pawl adapted to engage said finger lugs to hold said trigger against retrograde movement, and means to lock the trigger against operation.

2. In a firing mechanism for guns, a lock chamber, hammers operatively mounted and concealed in said chamber, a rotary trigger, means on said trigger to successively engage and trip first one and then the other of said hammers, means to hold said trigger against retrograde movement, a safety device, said device comprising a plate slidably mounted in said lock chamber, and a thumb piece operatively connected to said plate whereby the same is shifted into and out of the path of movement of said trigger.

In testimony whereof I have hereunto set my hand in presence of two subscriding witnesses.

MARION TAYLOR.

Witnesses:

E. EDMONSTON, JR.,

C. E. HUNT.