

No. 819,550.

PATENTED MAY 1, 1906.

T. C. JOHNSON.
TUBULAR MAGAZINE FIREARM.
APPLICATION FILED JAN. 8, 1906.

Fig 1

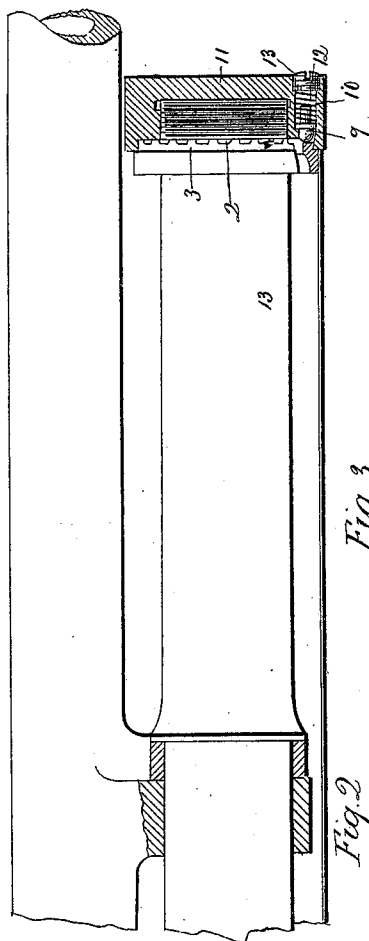


Fig 3

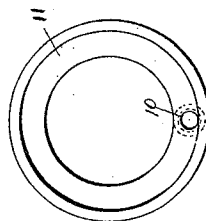
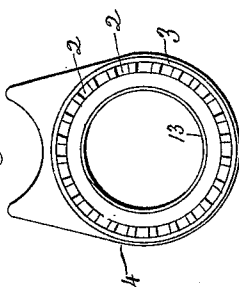


Fig 2



Witnesses.
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UNITED STATES PATENT OFFICE.

THOMAS C. JOHNSON, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE
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TUBULAR-MAGAZINE FIREARM.

No. 819,550.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed January 8, 1906. Serial No. 295,071.

To all whom it may concern:

Be it known that I, THOMAS C. JOHNSON, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Tubular-Magazine Firearms; and I do hereby declare the following, when taken in connection with the accompanying drawings and the figures of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a broken view, partly in side elevation and partly in section, of a gun containing my improvement; Fig. 2, a detached front view of the fore arm and magazine with the nut removed; Fig. 3, a detached inside view of the nut.

My invention relates to an improvement in that class of tubular-magazine firearms in which the magazine is furnished at its front end with a fore-arm tip in the form of a nut, the object being to provide a simple and effective yielding nut-lock for preventing the nut from jarring loose in firing.

With these ends in view my invention consists in a firearm having certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In carrying out my invention as herein shown I form a circular series of shallow locking-notches 2 in the front face of a ring-like tenon 3, set into and secured within but projecting forward beyond the front end of a wrought-metal fore-arm 4, the rear end of which is furnished with a U-shaped tenon-piece 5, set into and secured within but projecting rearward beyond the fore-arm and having a rib or tenon 6 to enter a groove 7 in the front of the gun frame or receiver 8. The locking-notches 2 are engaged by a yielding nut-lock consisting of a friction-plunger 9, having an enlarged base and located in a circular chamber 10 in a nut 11, constituting, as it were, the fore-arm tip. The said plunger is yieldingly held in place by a coiled spring 12, located in the chamber 10, in which it is confined by means of a screw 13. The said nut is internally threaded, and thus adapted to be

screwed upon the threaded front end of the magazine 13, the rear end of which is rigidly mounted in the receiver 7 by threading, brazing, or otherwise. When the nut 11 has been screwed almost home, the rounded nose of the yielding plunger 9 begins to ride over the partitions between the notches 2 against the tension of the spring 12, which increases in tension as the nut is turned home until, finally when the nut reaches its home position the tension of the spring has been so much increased that it will hold the plunger in engagement with one of the locking-notches with force enough to prevent the nut from being jarred loose in firing the gun; but the power of the spring is not, of course, enough to prevent the spring from yielding and the plunger from riding from notch to notch when manual force is applied for unscrewing the nut.

It is apparent that in carrying out my invention some changes from the construction herein shown and described may be made. I would therefore have it understood that I do not limit myself thereto, but hold myself at liberty to make such departures therefrom as fairly fall within the spirit and scope of my invention.

I claim—

1. In a tubular-magazine firearm, the combination with the fore-arm thereof, of a tubular magazine passing through the said fore-arm, a fore-arm tip in the form of a nut applied to the front end of the magazine, and a yielding nut-lock mounted in the nut and coacting with the front end of the fore-arm to prevent the nut from jarring loose.

2. In a tubular-magazine firearm, the combination with the fore-arm thereof, of a tubular magazine passing through the said fore-arm, a fore-arm tip in the form of a nut applied to the front end of the magazine, a ring-like tenon-piece mounted in the front end of the fore-arm, and a yielding nut-lock mounted in the said nut and coacting with the said tenon-piece to prevent the nut from jarring loose.

3. In a tubular-magazine firearm, the combination with a wrought-metal fore-arm, of a tubular magazine passing through the same, a fore-arm tip in the form of a nut applied to

the front end of the magazine, a ring-like
tenon mounted in the front end of the
wrought-metal fore-arm and formed with a
circular series of locking-notches, and a yield-
5 ing nut-lock coacting with the said notches
to prevent the nut from jarring loose.
In testimony whereof I have signed this

specification in the presence of two subscrib-
ing witnesses.

THOMAS C. JOHNSON.

Witnesses:

DANIEL H. VEADER,
HERBERT F. BEEBE.