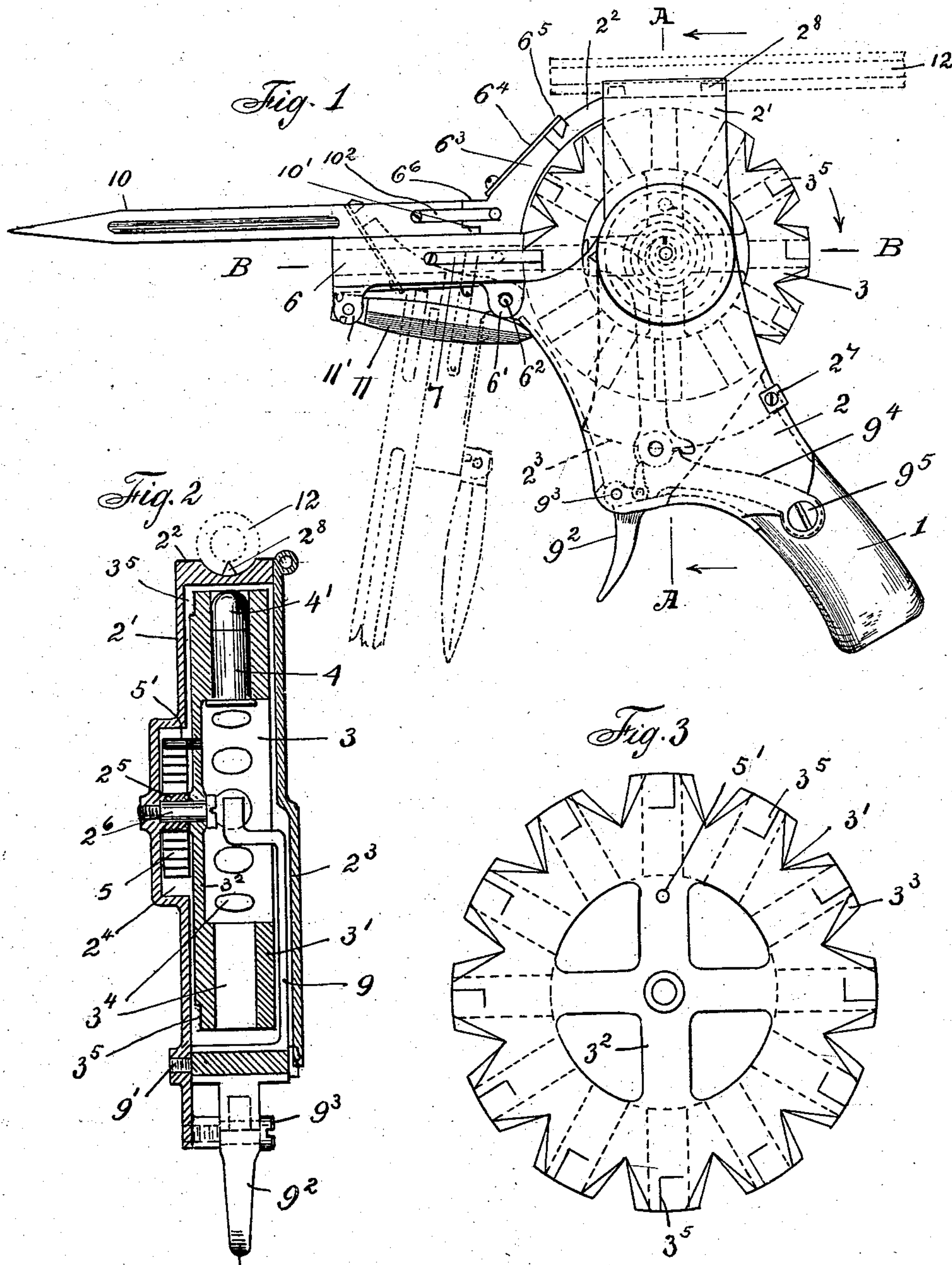


No. 879,295.

PATENTED FEB. 18, 1908.

A. MOELLER.
MAGAZINE REVOLVER.
APPLICATION FILED MAR. 18, 1907.

2 SHEETS—SHEET 1.



WITNESSES
A. Prazsky,
Joe. Miller

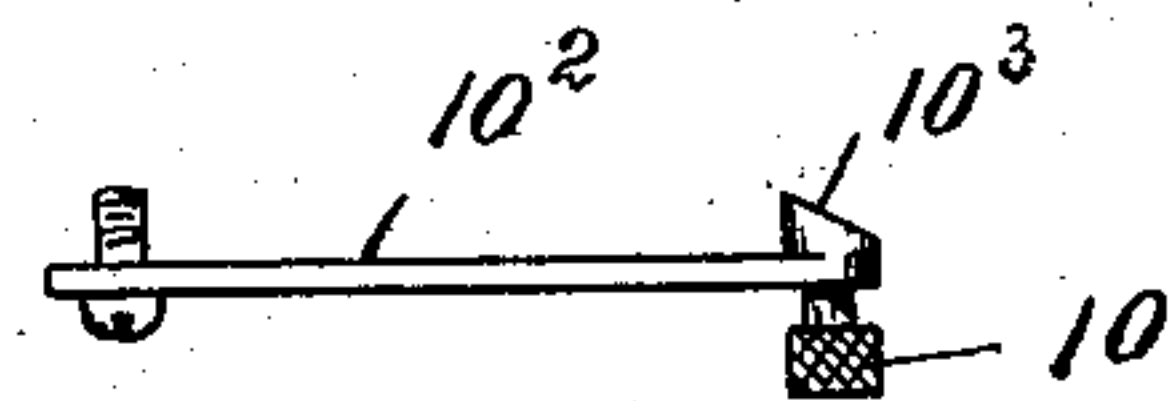
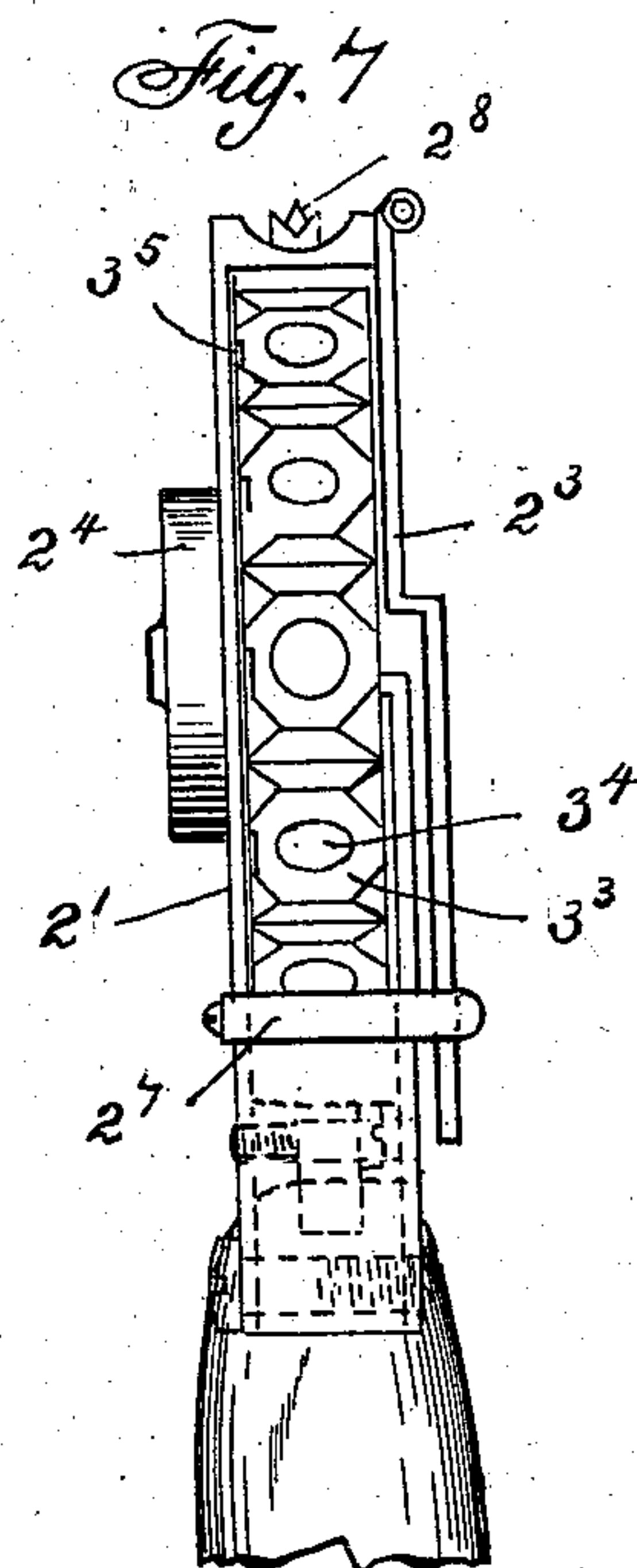
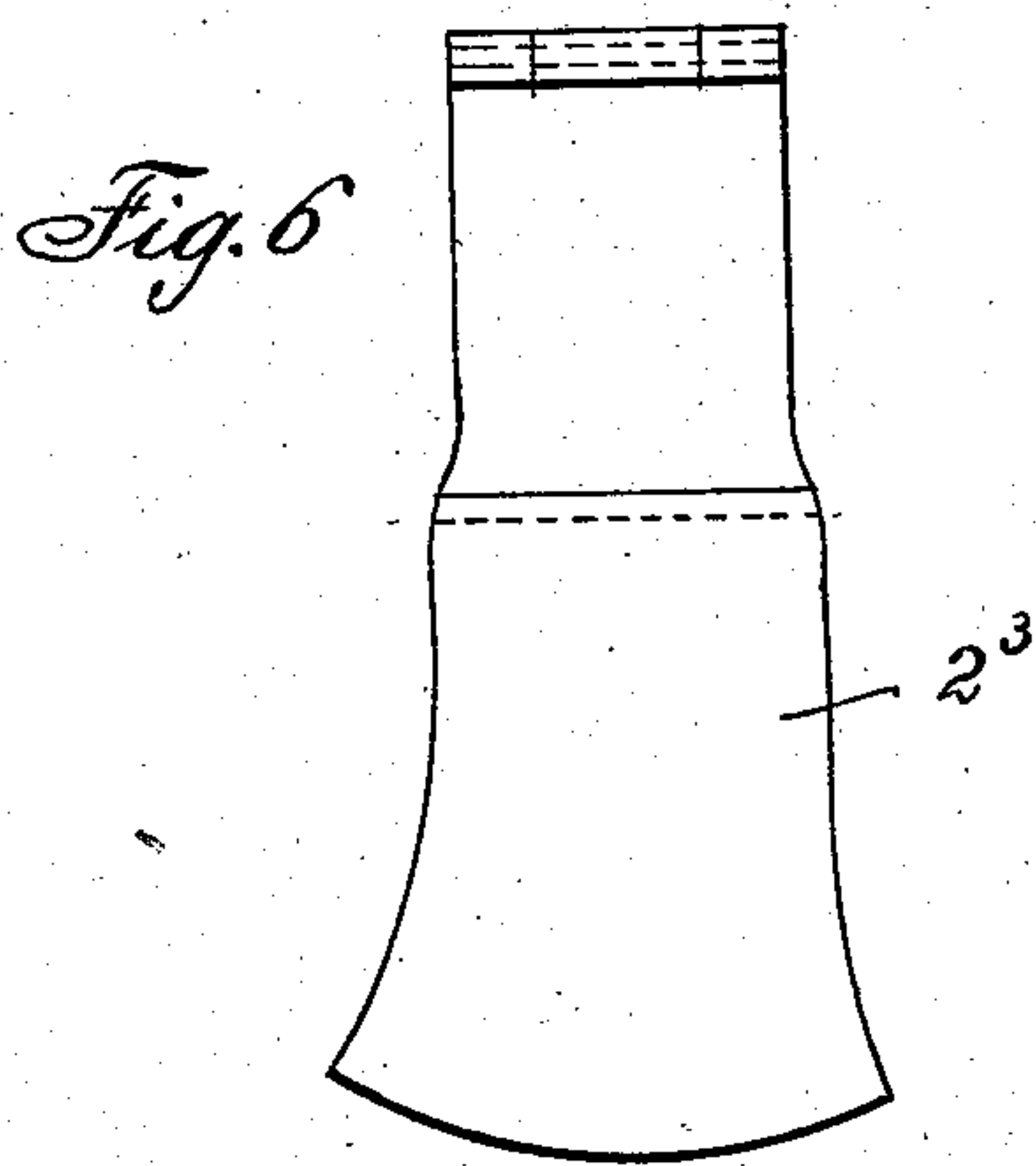
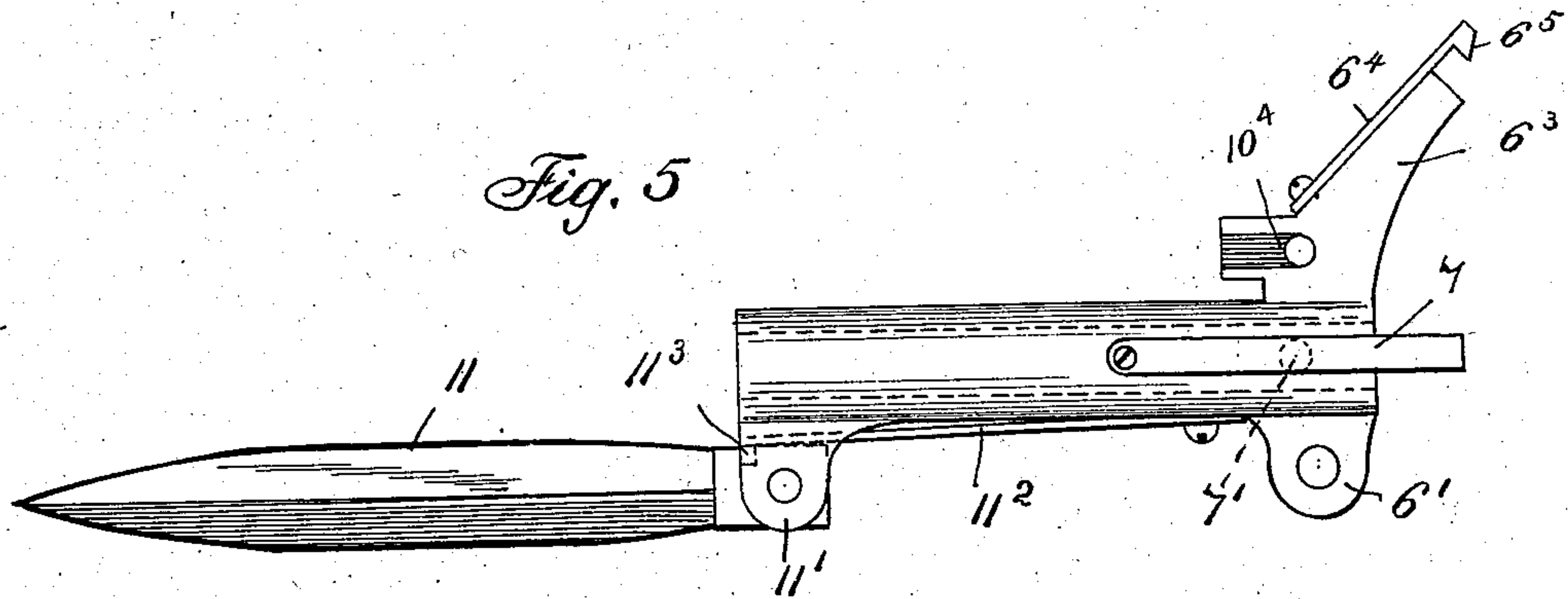
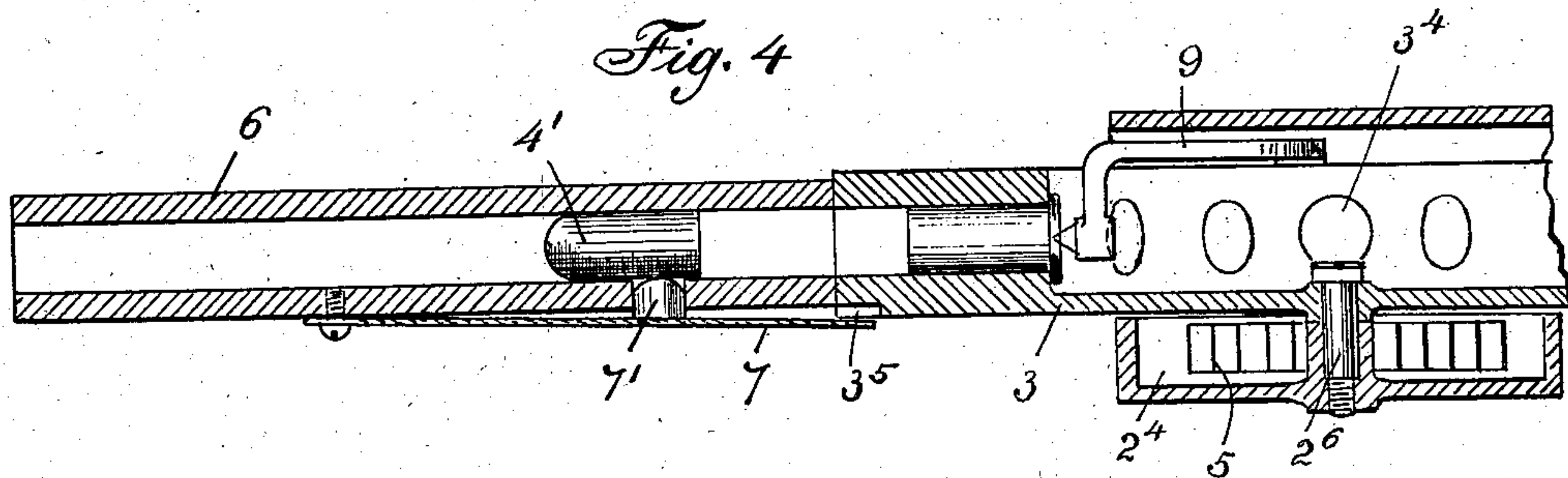
INVENTOR
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By Robt. Klotz
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WITNESSES
A. Prazsky.
Joe Müller

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UNITED STATES PATENT OFFICE.

AUGUST MOELLER, OF CHICAGO, ILLINOIS.

MAGAZINE-REVOLVER.

No. 879,295.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed March 18, 1907. Serial No. 362,831.

To all whom it may concern:

Be it known that I, AUGUST MOELLER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Magazine-Revolvers, of which the following is a complete specification.

This invention relates to improvements in magazine revolvers and more particularly to a revolver in which the exit of the ball acts to operate the magazine.

Heretofore it has been usual to so construct revolvers that the magazine is operated by the action of the trigger and revolves on an axis parallel with the axis of the barrel. This construction necessitates the making of the magazine comparatively small and consequently the number of shots capable of being fired without reloading has been comparatively limited. Furthermore it has not been usual heretofore to provide revolvers with bayonets and knives to be used when occasion requires.

The object of this invention is to provide a revolver in which the magazine rotates on an axis at right angles to the barrel and is spring impelled, thereby insuring a positive action and greatly increasing the capacity of the device.

It is a further object of the invention to provide a revolver in which the magazine is released by the passage of the ball through the barrel and is rotated by its spring into position to fire the next shot.

It is also an object of the invention to provide a revolver in which the magazine may be loaded at the side instead of at the rear end, thereby avoiding the necessity of breaking down the barrel.

The invention consists of the matters hereinafter described in the specification and more fully pointed out and defined in the appended claims.

In the drawings: Figure 1 is a side elevation of the device embodying my invention. Fig. 2 is an enlarged section taken on line A—A of Fig. 1. Fig. 3 is a side elevation of the magazine. Fig. 4 is an enlarged, fragmentary section taken on line B—B of Fig. 1. Fig. 5 is a side elevation of the barrel with the bayonet removed and the knife extended. Fig. 6 is a side elevation of the lid for the magazine chamber. Fig. 7 is a fragmentary rear elevation of the revolver, and Fig. 8 is a detail of the bayonet lock.

As shown in said drawings: 1 indicates

the stock which is engaged in any preferred manner to the lower rear side of the magazine chamber, indicated as a whole by 2 and which as shown comprises a side wall 2' having an integral top plate 2² which extends forwardly and downwardly therefrom and to which is hinged, to swing upwardly, a lid 2³ forming the opposite side wall and affording access to the magazine chamber. Said lid is held in closed position by a spring clasp 2⁷ which is engaged on the side wall 2' and hooks over the lid as shown in Figs. 1 and 7. The top plate as shown is grooved on its upper side and provided with sights 2⁸. The side wall 2' is provided with a chamber 2⁴, at the center of which is a sleeve 2⁵ which projects from the side wall of the chamber inwardly to the magazine chamber. A stud shaft 2⁶ has threaded engagement in the wall and projects inwardly through said sleeve into the magazine chamber and journaled thereon is the magazine 3. Said magazine comprises a wheel having a rim 3', on the side of which adjacent the wall 2' are the spokes 3² which unite at the axis to form a bearing. Said rim may be flat on its outer periphery if desired, but as shown, it is provided with a plurality of radial projections 3³ through each of which opens a bore 3⁴ to receive the cartridges 4 which fit closely therein. A coiled spring 5 is contained in the chamber 2⁴ and is secured at one end to one of the spokes 3² by means of a pin 5' and at the other end is secured to the sleeve 2⁵ and acts to rotate the magazine.

The barrel 6 is provided at its rear end, on the under side thereof with apertured lugs or ears 6' by means of which it is hinged to the front side of the magazine with a pintle 6² passing through said lugs and through a similar lug on said chamber.

An arm 6³ curved, concentrically with the magazine, extends upwardly and rearwardly from said barrel into close contact with the plate 2². A leaf spring 6⁴ is secured at one end to the arm 6³ and at the other end is provided with a catch 6⁵ which is adapted to engage in a suitable notch in said plate and hold the barrel in operative position.

For the purpose of locking the magazine in position for the bores therein to register with the bore of the barrel a spring detent 7 is attached at its forward end to the side of the barrel and extends rearwardly beyond the same and is adapted to engage a shoulder 3⁵ formed in the side of each projection 3³,

and acts to permit the magazine to rotate freely in one direction but prevents it from rotating in the other direction until said detent is released from the shoulder which it engages. Said detent 7 is provided intermediate its ends with a lug 7' which projects through an aperture in the side of the barrel into the bore. Said lug is rounded on its inner end and is adapted to be engaged by the ball 4' during its exit, thereby forcing the spring detent outwardly and releasing the magazine and permitting it to rotate to bring the next bore thereof into alinement with the bore of the barrel.

A hammer 9 is pivoted on a bolt 9' engaged on the lower part of the wall 2' and extends upwardly between the magazine and the lid and is curved inwardly and forwardly into position to engage the cartridges as shown in Figs. 1 and 2. A trigger 9² is pivotally supported beneath the hammer on a bolt 9³ in the bottom of the wall 2' and engages the same in the ordinary manner and a spring 9⁴ is engaged at the rear of the magazine chamber by means of a bolt 9⁵ and acts to hold both the trigger and the hammer in normal position.

The arm 6³ is provided with a forwardly directed portion 6⁶ affording a recess between the same and the barrel and a bayonet 10 is provided with a projection 10' which fits in said recess. On each side of the bayonet is a leaf spring 10² which is engaged at one end to said bayonet by means of a screw and at the other end is provided with a catch 10³, which together with the end of the spring normally seats in a suitable recess 10⁴ in the side of the projection on the arm 6³. Each of said springs 10² is provided with a knob 10⁵ by means of which the catches may be withdrawn from the notches in the projection of the arm 6³ to detach the bayonet.

If preferred, and as shown, a knife blade 11 may be pivoted to lugs 11' beneath the forward end of the barrel and a spring 11² is engaged beneath the barrel and extends between the pivoted end of the blade and the barrel and is provided on its forward end with a lug 11³ adapted, when the blade is extended, to engage in a complemental notch in the blade and hold the blade in such position.

The operation is as follows: When it is desired to load the magazine, the lid 2³ is raised and the cartridges inserted in the bores 3⁴. When filled the magazine is rotated to wind up the spring 5. The magazine is prevented from rotating in the reverse direction by the spring detent 7 engaging beneath the shoulders 3⁵. When the revolver is discharged, the ball in passing through the barrel engages the lug 7' and forces the spring detent 7 outwardly, thereby releasing the magazine which is immediately rotated past the end of the barrel a sufficient

distance to bring the next bore of the magazine into alinement with the bore of the barrel. Before, however, the next bore of the magazine is brought into alinement with the barrel, the spring detent 7 has returned to its normal position and by engaging the next shoulder, stops the magazine in proper position.

The bayonet may be quickly attached or detached when desired and the knife blade may be opened, as shown in Fig. 5, to permit it to be used whenever its use may be required.

If preferred, and as shown, in dotted lines in Fig. 1, the revolver may be attached to a gun barrel 12, in any desired manner, in which case it may not only be fired as before described but the bayonet may be used to good advantage with the gun.

Obviously the magazine may be made of any desired size and many details of construction may be varied without departing from the principles of my invention.

I claim as my invention:

1. In a device of the class described the combination with a magazine chamber of a barrel hinged thereto, a revoluble magazine in said chamber and means operated by the passage of the ball through the barrel adapted to release the magazine and permit it to rotate.

2. In a device of the class described the combination with a magazine chamber, of a barrel hinged thereto, a spring operated magazine in said chamber, a spring detent adapted to hold the magazine in operative position and means thereon projecting through the side of the barrel and adapted to be acted on by the bullet in its passage through the barrel to release the detent from the magazine.

3. In a device of the class described the combination with a magazine chamber, of a barrel connected therewith, a magazine journaled in said chamber at right angles to said barrel and provided with a plurality of shoulders thereon, a coiled spring adapted to propel said magazine, a spring detent engaged at one end on the barrel and adapted to engage said shoulders at its other end, and a lug on said detent extending through the side of the barrel into its bore.

4. In a revolver the combination with a magazine chamber of a barrel thereon, a magazine journaled in said chamber at right angles to the barrel, a coiled spring connected therewith and with the wall of the chamber, a plurality of shoulders on said magazine, a spring detent carried on the barrel and adapted to engage said shoulders and hold the magazine from rotation, and a lug on said detent projecting into the side of the barrel and adapted to be forced outwardly by the exit of the ball.

5. In a device of the class described the

combination with a magazine chamber of a barrel hinged thereto, a magazine journaled in said chamber and provided with a plurality of radial bores therein, means for locking the magazine from rotation in one direction and a lug extending into the bore of the barrel adapted to release said locking means.

6. In a device of the class described the combination with a magazine chamber having a lid hinged on one side thereof, of a barrel hinged to said chamber, a spring catch on said barrel adapted to engage in a notch in the top of the chamber and hold the barrel

in operative position, a magazine rotatively engaged in said chamber and having a plurality of bores opening through the periphery thereof, means for locking the magazine from rotation and means projecting into the barrel and adapted to release the magazine.

In testimony whereof I have hereunto subscribed my name in the presence of two witnesses.

AUGUST MOELLER.

Witnesses:

Mrs. AUGUST MOELLER,
A. PRAZSKY.