

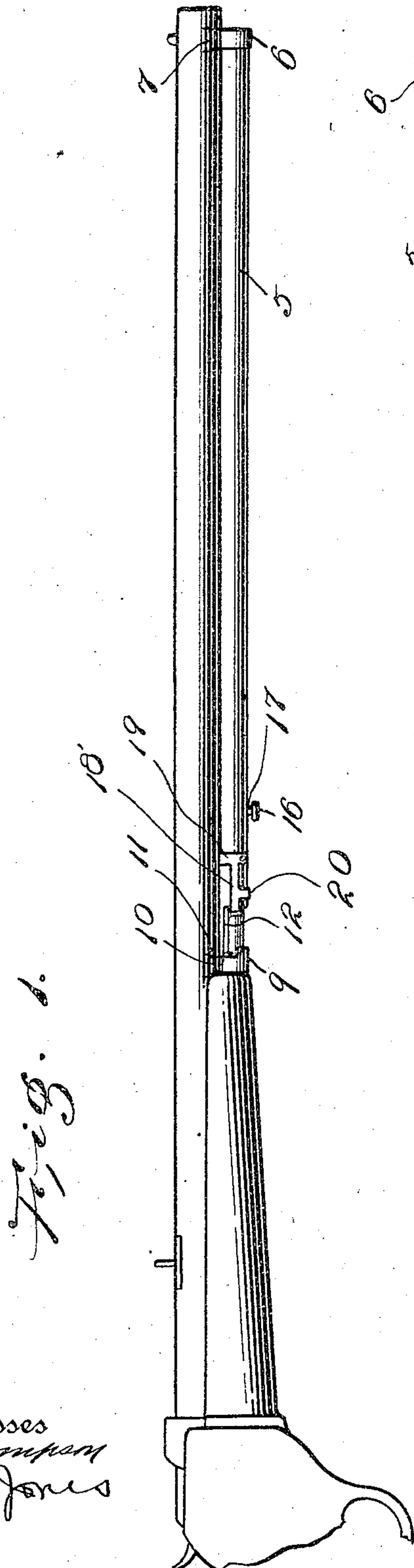
No. 786,798

PATENTED APR. 11, 1905.

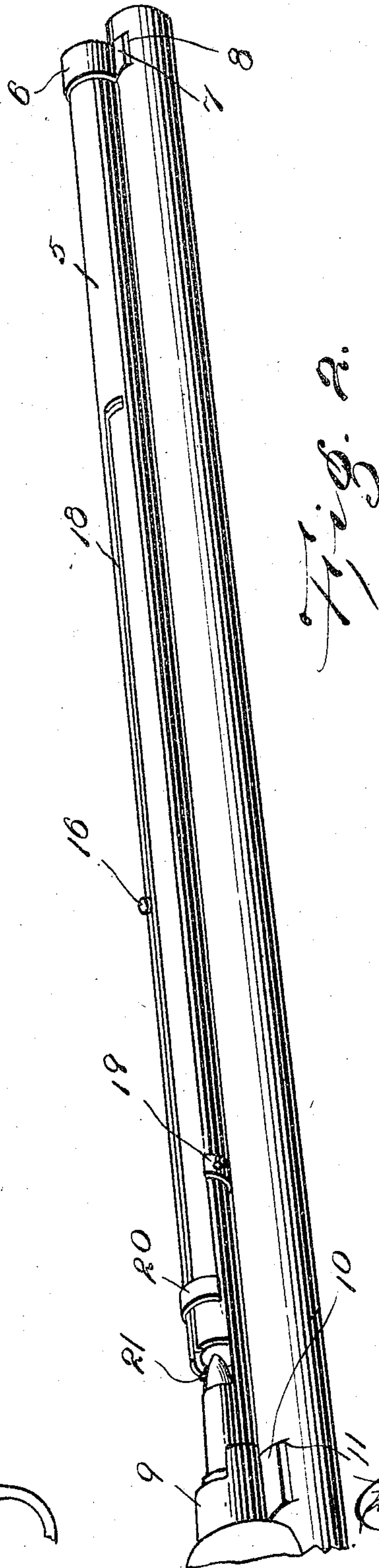
M. H. COTTOM.
MAGAZINE ATTACHMENT FOR RIFLES.

APPLICATION FILED OCT. 14, 1903.

2 SHEETS—SHEET 1.



Witnesses
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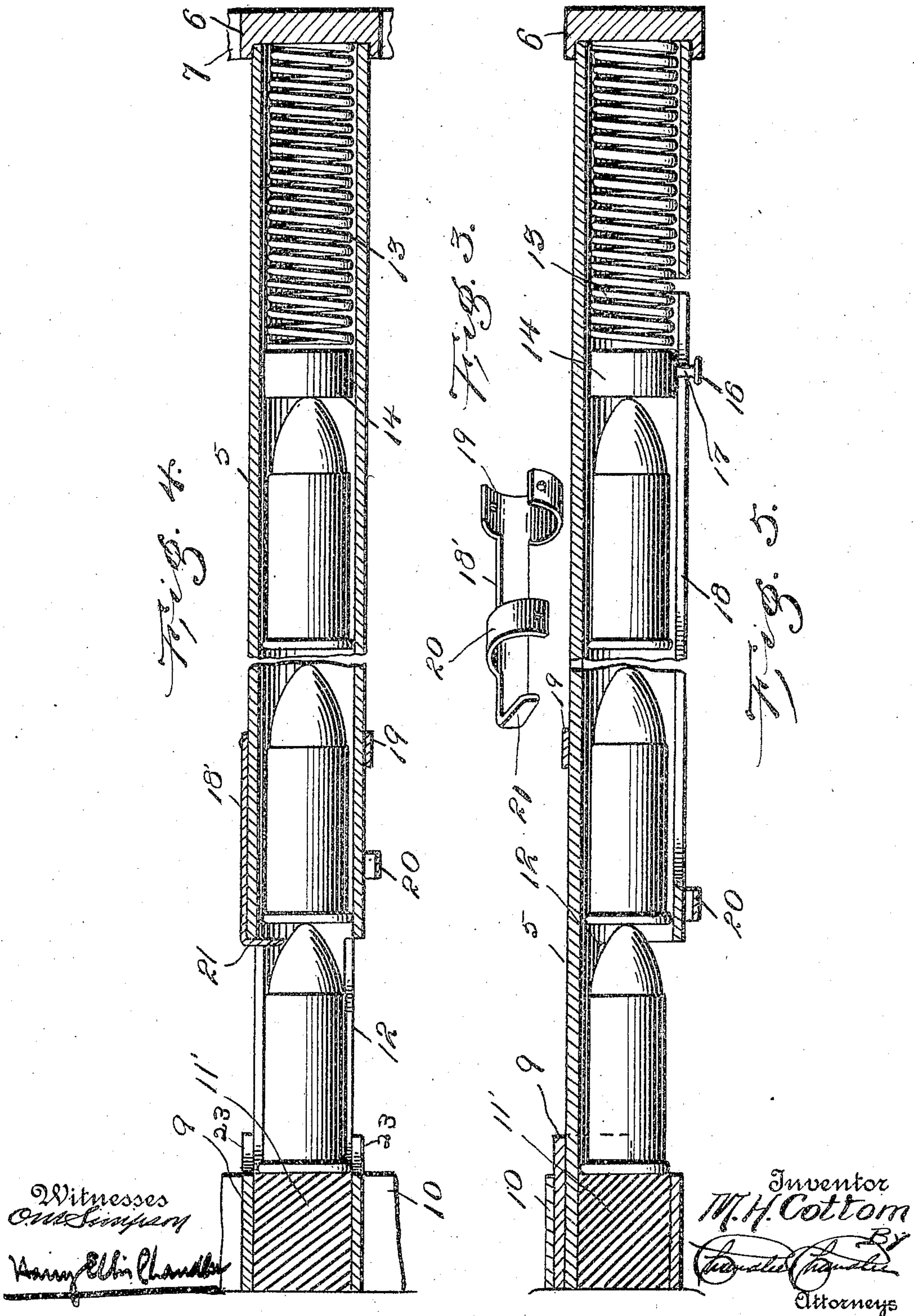
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2 SHEETS—SHEET 2.



UNITED STATES PATENT OFFICE.

MORRIS H. COTTOM, OF JUNCTION, IDAHO.

MAGAZINE ATTACHMENT FOR RIFLES.

SPECIFICATION forming part of Letters Patent No. 786,798, dated April 11, 1905.

Application filed October 14, 1903. Serial No. 177,049.

To all whom it may concern:

Be it known that I, MORRIS H. COTTOM, a citizen of the United States, residing at Junction, in the county of Lemhi, State of Idaho, have invented certain new and useful Improvements in Magazine Attachments for Rifles; and I do hereby 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 magazines for firearms; and it has for its object to provide a magazine which may be attached to an ordinary single-shot rifle and which will hold a number of cartridges in such position that they may be conveniently removed by hand successively and inserted into the firing-chamber of the rifle.

A further object of the invention is to provide a simple and efficient means for retaining the cartridges in the magazine and for permitting them to successively feed from the magazine.

In the drawings forming a portion of this specification, in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation showing a gun-barrel having attached thereto a magazine embodying the present invention. Fig. 2 is a bottom perspective view of the magazine. Fig. 3 is a detail perspective view of the retaining-spring. Fig. 4 is a horizontal longitudinal section through the magazine. Fig. 5 is a vertical longitudinal section of the magazine.

Referring now to the drawings, the present magazine comprises a cylindrical tube 5, having its forward end closed by means of a cap 6, which is fitted thereover, said cap being provided with a transverse dovetail plate 7, which is designed for engagement with a similarly-shaped transverse groove 8 in the under side of a gun-barrel. The rear end of the tube 5 is likewise provided with a sleeve 9, which is fitted thereover and which carries a transverse dovetailed plate 10, which engages a similar groove 11 in the under side of the gun-barrel adjacent to the rear end of the latter, it being noted that this magazine is disposed

longitudinally beneath the gun-barrel. Within that portion of the tube 5 which is received in the sleeve 9 is disposed a cushion in the form of a rubber plug 11', the under side of the tube 5 being cut away directly adjacent to the sleeve 9, as shown at 12. The plug 11' is of sufficient length to project into the cut-away portion 12.

Within the tube 5 is disposed a helical spring 13, which rests with one end against the closure of the forward end of the tube and with its rear end against the plunger 14, which is slidably mounted in the tube. A button 16 has its stem 17 passed through a slot 18, formed longitudinally of the under side of the tube 5, and is engaged in the plunger, so that by pressing said button in the direction of the forward end of the tube the helical spring will be placed under tension and the plunger will be forced forward, so that a number of cartridges may be placed in the tube between the plunger and the cut-away portion 12. When the button is released, the spring is permitted to urge the cartridges rearwardly through the tube. To hold the cartridges normally against the action of the helical spring, a retaining device is provided and consists of a spring-plate 18', having a sleeve 19, which is fitted upon and secured to the tube, while at the opposite or rear end of the plate 18' is a spring hook-finger 20, which part way encircles the tube 5. At the base or attached end of the hook-finger is a retaining-finger 21, which projects laterally across or part way across the open rear end of the tube, so that it will engage the rearmost cartridge and by holding it against rearward movement will prevent the helical spring from forcing the cartridges from the tube. When it is desired that the spring shall feed a cartridge from the tube of the magazine, the plate 18' is shifted laterally to carry the finger 21 from behind the cartridge, and the latter is forced by the spring rearwardly against the cushion 11, the cartridge being removed from this last position by the operator. The finger 21 is forced from its active position by pressure against the hook-finger 20, the resilience of the plate 18 permitting of this operation. When the retaining-finger moves from active position, the spring forces

the outermost cartridge from the magazine and against the rubber plug or cushion, the ball end of the cartridge at this time lying within the rear end of the magazine with the
 5 next cartridge against it, as illustrated in Fig. 4 of the drawings, the second cartridge being held just off from the retaining-finger, so that the tension of the spring serves to hold the expelled cartridge firmly against the rubber
 10 cushion, so that it will not fall from place. To withdraw the expelled cartridge, it is grasped between the fingers and is moved rearwardly to compress the cushion 11' and to move its ball end out of the rear end of the magazine,
 15 after which it is withdrawn laterally from beneath the end of the magazine and the cushion, the cartridge just ahead of it being moved by the spring into position against the retaining-finger, where it is held until the retain-
 20 ing-finger is again shifted to inactive position.

It will be noted that the sleeve which contains the rubber plug is provided with wings 23, which lie at the side of the plug and project beyond the free end thereof, so that the
 25 base of the cartridge is received between them and is held by them against lateral displacement.

What is claimed is—

1. A magazine for rifles comprising a tube
 30 having a cut-away portion adjacent to one end, a plunger in the opposite end portion of the tube, a spring within the tube against the plunger and adapted to urge the latter in the direction of the cut-away portion, said tube
 35 being adapted to receive cartridges between the plunger and the cut-away portion, a retaining device disposed to hold the cartridges from movement into the cut-away portion, said retaining device being movable into and
 40 out of active position, and a cushion at the opposite side of the cut-away portion from the plunger, said cushion being disposed for contact by the cartridges successively as they pass from the tube into the cut-away portion
 45 and to hold them with their forward ends in the tube, said cushion being susceptible of compression to permit of the withdrawal of the cartridges from the cut-away portion.

2. A magazine for rifles comprising a tube
 50 having its extremities closed, said tube being

cut away adjacent to its rear end and having a cushion in its rear end portion projecting into the cut-away portion, a spring in the forward end of the tube, a plunger disposed against the rear end of the spring and mov- 55
 able in the tube under the influence of the spring, means connected with the plunger for sliding it against the action of the spring, and a spring-plate secured at one side of the tube and provided at its rear end with a retaining- 60
 finger lying in the cut-away portion of the tube and part way across the rear end of the forward portion of the tube, said spring-plate being movable with its retaining-finger into 65
 and out of said cut-away portion.

3. A magazine for rifles comprising a tube having its extremities closed, said tube being cut away adjacent to its rear end and having a cushion in its rear end portion projecting into the cut-away portion, a spring in the forward end of the tube, a plunger disposed against the rear end of the spring and movable in the tube under the influence of the spring, said plunger and cushion being arranged to hold a plurality of cartridges there- 75
 between with the rearmost of said cartridges lying with its rearward end against the cushion and with its ball end projecting into the tube, said cushion being susceptible of compression to permit of withdrawal of said rear- 80
 most cartridge from the cut-away portion.

4. A magazine for rifles comprising a tube having its extremities closed, said tube being cut away adjacent to its rear end, a cushion disposed in the rear end portion of the tube 85
 and projecting into the cut-away portion and arranged to hold a cartridge within the cut-away portion with its rearward end resting against the cushion and with its ball end projecting into the tube forwardly of the cut- 90
 away portion, said cushion being susceptible of compression and being arranged when compressed to permit of withdrawal of the cartridge from the cut-away portion.

In testimony whereof I affix my signature in 95
 presence of two witnesses.

MORRIS H. COTTOM.

Witnesses:

JOHN J. CARR,

CHARLES A. JOHNSON.