

B. MONLON.
SHELL MAGAZINE AND FEEDER.
APPLICATION FILED MAY 27, 1920.

1,384,145.

Patented July 12, 1921.

FIG. 1.

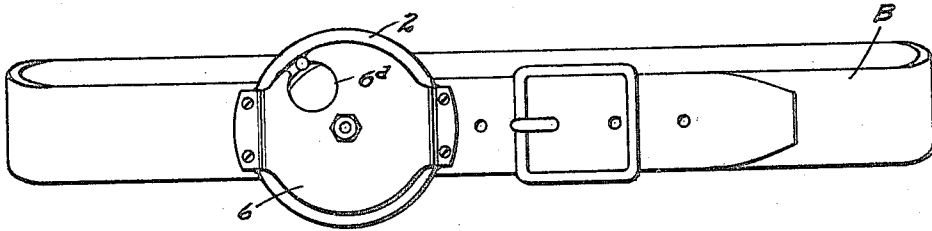


FIG. 2.

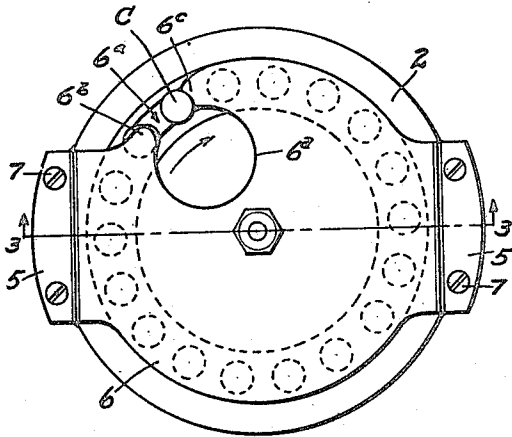


FIG. 4.

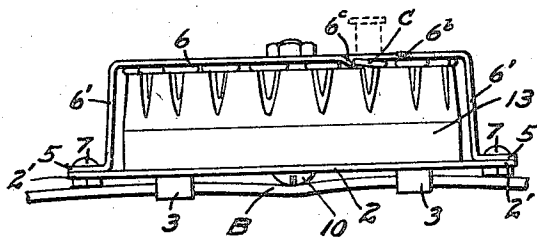
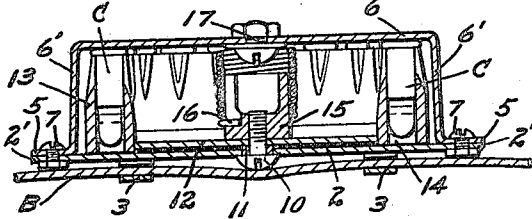


FIG. 3.



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SHELL MAGAZINE AND FEEDER.

1,384,145.

Specification of Letters Patent.

Patented July 12, 1921.

Application filed May 27, 1920. Serial No. 384,752.

To all whom it may concern:

Be it known that I, BASIL MONLON, a citizen of the United States, residing at Palms, in the county of Los Angeles and State of California, have invented new and useful Improvements in Shell Magazines and Feeders, of which the following is a specification.

This invention relates to cartridge magazines and has for its object to provide an automatically fitting cartridge magazine of simple construction, compact arrangement and inexpensive and readily operable, and the invention consists of an automatically fitting cartridge carrier or magazine, an embodiment of which is illustrated herein and described and claimed hereinafter.

Figure 1 is an elevational view of the magazine as applied to a belt.

Fig. 2 is a plan view of the improved magazine disconnected from the belt.

Fig. 3 is a cross section on line 3—3 of Fig. 2.

Fig. 4 is a side elevation looking toward the mouth edge of the retaining plate.

The present invention has for an object to provide a simple and compact cartridge magazine of sufficient capacity for ordinary purposes, according to the size of the cartridges, and one of which magazines is herein illustrated as comprising a base plate 2, preferably of disk form, that may have diametrically opposite lugs 2' with cross pieces 3 at the back forming means by which the device may be attached to a belt as B or other suitable carrier. To the lugs 2' are attached the out-turned lower parts 5 of the plate or cap 6 of approximately circular form having upstanding opposite side brackets or connecting arms 6' integral with the fastening parts 5, through which latter parts are passed fastening bolts or other means 7 securing the lugs 5 to the plate 2.

Passing through the center of the plate 2 is a screw 10 turning in a sleeve 11 in the center of the plate and above which sleeve is arranged a disk 12 provided at its rim with an annulus 13 provided with a series of cartridge receiving pockets 14, these being arranged with their axes parallel to the axis of the annulus and screw 10, which latter threads into a central nut or hub portion 15 secured to the disk 12 so that the screw 10, the hub 15, the disk 12 and the annulus 13 all turn together. Attached to the hub 15

is one end of a helical spring 16 arranged between the top plate 6 of the inner plate 12, the outer end of the spring being attached to the top plate 6 against rotation, as by a clamping bolt 17.

From this it will be seen that the carrier annulus 13 is adapted to be rotated in one direction, as shown by the arrow in Fig. 2, under impulse of the spring 16.

The cover plate 6 leaves exposed the major part of the opposite sides of the magazine ring or annulus 13, but substantially covers the upper end of the same, as shown in Fig. 2, but the plate 6 is cut away to form a mouth 6^a having opposite lugs 6^b and 6^c, and the mouth 6^a is shown as having an enlarged inwardly extending portion 6^a to provide a finger hole to facilitate the removal of the cartridges, one by one, as desired.

The lip 6^c is shown in Figs. 2 and 4 as bent down toward and running on or close to the upper surface of the ring 13 so that the rims of the cartridges C abut against and ride up slightly on the lip 6^c which serves both to start the cartridge individually engaged upwardly out of its pocket 14 and also serves, in combination with the cartridge, to hold the ring 13 against rotation under the impulse of the spring 16 until the cartridge has been withdrawn by the fingers, one of which will extend into the finger hole 6^c. When a cartridge is entirely withdrawn and clears the lip 6^c the spring is then free to turn the ring 13 until the next succeeding cartridge abuts the lip 6^c, which intercepts further rotation. It will be noted that in addition to starting the cartridge upwardly and also holding the annulus 13 against further rotation, the lip 6^c and the action of the spring 16 combine to wedge or hold the cartridge from falling out of its pocket 14.

From the above it will be seen that the magazine is capable of being conveniently arranged upon the body of the wearer and the cartridges can be readily and safely withdrawn from the ring, and furthermore, it will be seen that so long as there is a cartridge in the magazine or ring 13 the cartridge will be presented at the mouth 6^a to be easily grasped and withdrawn.

The magazine can be readily charged by the successive introduction of cartridges into the several chambers and the rotation of the magazine in a direction to wind the spring

carries each cartridge away from the mouth 6^a until the last cartridge is introduced, which serves as a key to hold the magazine spring wound.

5 Various changes may be made without departing from the spirit of the invention as claimed.

What is claimed is:

10 1. A cartridge holder, comprising a cartridge carrying magazine with pockets for carrying cartridges in parallel relation and with their heads in a common plane; a retaining member arranged over the magazine and covering the cartridges except at a withdrawing location; the cover member having 15 a part to successively engage under the rims of the cartridges; and means for advancing the magazine to successively present the cartridges to the engaging means.

20 2. A cartridge holder, comprising a magazine with a series of pockets to hold cartridges in parallel position, with their heads in a common plane; a mounting for the magazine; means for relatively moving the 25 mounting and the magazine; the mounting provided with a discharge mouth at which the cartridges may be successively and individually withdrawn; and a lip upon said mounting at the mouth for engaging the 30 cartridges successively to restrain the relative movement of the mounting and the magazine.

3. A cartridge holder, comprising a magazine with a series of pockets to hold car-

tridges in parallel position, with their heads 35 in a common plane; a mounting for the magazine; means for relatively moving the mounting and the magazine; the mounting provided with a discharge mouth at which 40 the cartridges may be successively and individually withdrawn; and means for engaging the cartridges successively to restrain the relative movement of the mounting and the magazine; said means comprising 45 a lip at the withdrawing aperture of the mounting extending downwardly into the path of the rim of the cartridges to engage under the same.

4. A cartridge holder, comprising a magazine ring with a series of cartridge chambers arranged in parallel relation and extending in a circle about the center of the 50 ring; a mounting comprising a base plate and a cover plate between which the magazine ring is rotatively disposed, the cover 55 plate covering the heads of the cartridges except at a withdrawing position; means for relatively rotating the mounting and the magazine ring; and means for intercepting 60 the rotative motion so as to present an individual cartridge at the withdrawing position; said means comprising a lip on the retaining member deflected toward the path 65 of the cartridge heads to engage under the rims of the same.

In testimony whereof I have signed my name to this specification.

BASIL MONLON.