

[54] **FAST LOADING CARTRIDGE HOLDER  
FOR REVOLVERS**[76] Inventor: **Robert D. Switzer**, 148 Sheridan  
Avenue, Fort Thomas, Ky. 41075[22] Filed: **Apr. 28, 1971**[21] Appl. No.: **138,263**

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[51] Int. Cl. ....F42b 39/04

[58] Field of Search.....42/89

[56] **References Cited****UNITED STATES PATENTS**

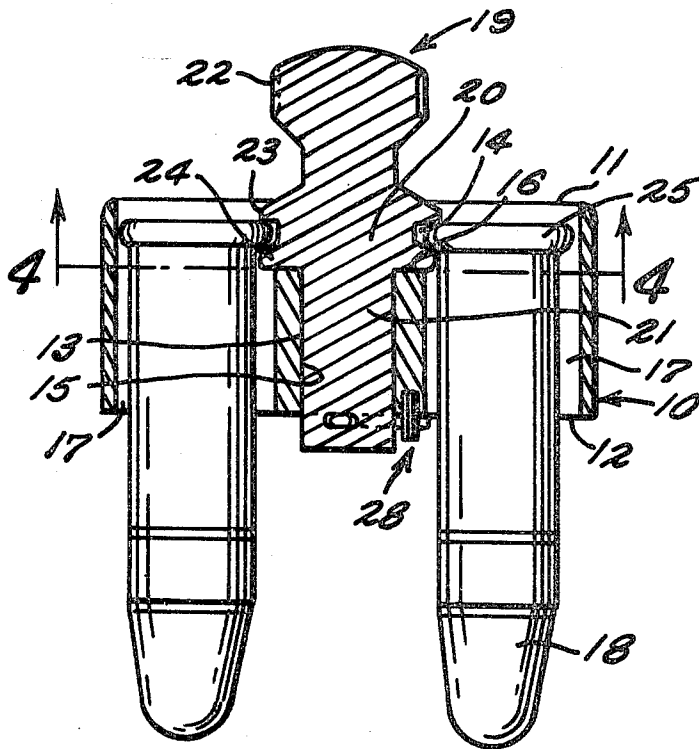
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**ABSTRACT**

A holder for releasable securement of a round of cartridges in condition for simultaneous loading of the round into the cylinder of a revolver. The holder comprises a cylindrical body having a plurality of angularly spaced apart, cartridge receiving through-bores adapted to introduce the cartridge round into the chambers of a revolver cylinder. The holder also includes a manually operated cartridge engaging member mounted for oscillating movement on the holder body centrally of the through-bores and having a cartridge stop rim projecting laterally into common ends of the through-bores and a cam spaced from the rim and having laterally extended portions engageable under the case flanges of the cartridges and radially reduced portions between the extended portions that clear said flanges. The holder also includes an over-center spring detent means between the body and the cartridge engaging member to urge and then positively maintain the said member in either a cartridge round holding or a cartridge round discharging position.

**4 Claims, 6 Drawing Figures**

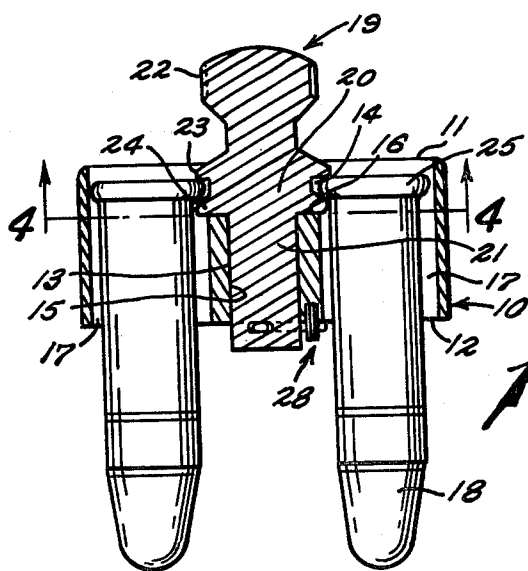


Fig. 3

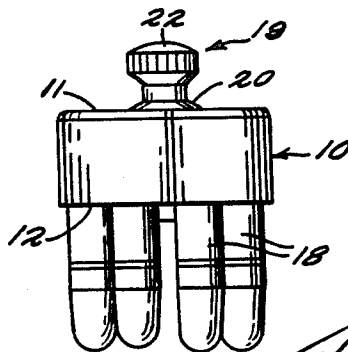


Fig. 1

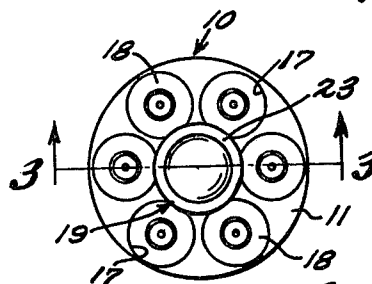


Fig. 2

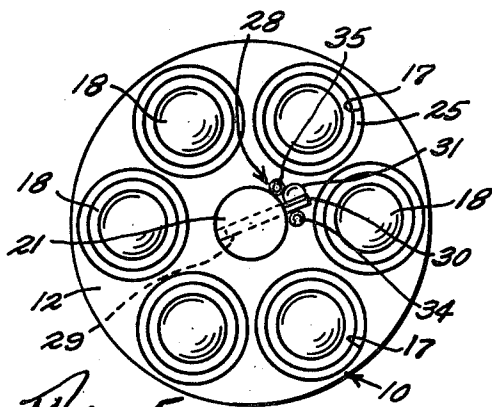


Fig. 5

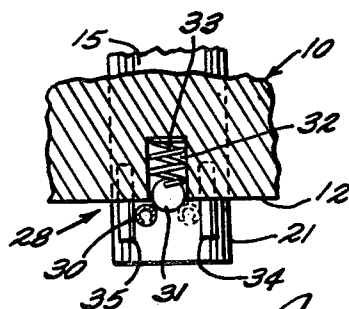


Fig. 6

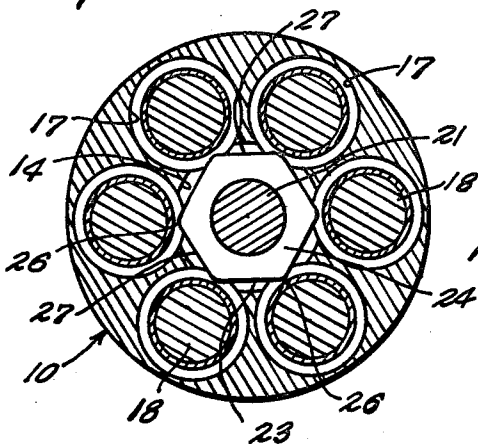


Fig. 4

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# FAST LOADING CARTRIDGE HOLDER FOR REVOLVERS

The present invention relates to improvements in plural cartridge holders and is particularly directed to cartridge holders adapted to releasably secure a round of cartridges for fast and simultaneous loading of the round into the chambers in the cylinders of revolvers, or the like.

An object of the invention is to provide a plural cartridge holder that is readily charged with a round of cartridges in a minimum of time and which has a quick, positively operated means for releasably securing the round therein and for charging said round into the chambers of a revolver cylinder.

Another object of the invention is to provide a holder possessing the foregoing characteristics which has a simplified yet rugged construction; has a few moving but positive acting parts; and which when carried on the person is protected against accidental release of cartridges therefrom.

Further objects and advantages of the invention will become apparent from the following specification taken in conjunction with the accompanying drawings, which illustrate a preferred embodiment thereof.

In the drawings:

FIG. 1 is a side elevational view of my cartridge holder in cartridge round securing position.

FIG. 2 is a top plan view of the holder shown in FIG. 1.

FIG. 3 is a greatly enlarged section taken on line 3—3 of FIG. 2.

FIG. 4 is a section taken on line 4—4 of FIG. 3.

FIG. 5 is a bottom plan view of the holder as it is depicted in FIG. 3.

FIG. 6 is an enlarged detail, partly in section, of the detent means for the holder shown in FIGS. 1—5 of the drawings.

With particular reference to the drawings the numeral 10 therein indicates a cylindrically shaped body member preferably composed of aluminum and having opposed major faces 11 and 12 that are referred to hereinafter as "top" and "bottom" ends, respectively, of the holder body. A two-diameter center bore 13 is formed through the axis of the body member 10 and has a relatively large diameter top portion 14 and a small diameter bottom portion 15 which form between them a shoulder 16. The holder body also has a plurality of angularly spaced apart through-bores 17 which have their center lines in parallelism with the center bore 13. The through-bores are each adapted to receive a cartridge 18 and are formed in the body member for simultaneous alignment with the chambers in the cylinders of conventional revolvers.

As best seen in FIGS. 1 and 3 of the drawings the body member has an axial dimension that permits reception into the body member of between a third and a half of a cartridge case for the purposes to be hereinafter set forth.

An operating member 19 is mounted in the center bore 13 for oscillating movement and comprises an enlarged head portion 20 disposed in the large diameter portion 14 of the center bore and an integral shank portion 21 having a bearing in the reduced portion 15 of the center bore. A knurled knob 22 is turned on the top, exposed end of the operating member for manual

setting of the holder. With reference to FIGS. 2 and 3 the head portion of the operating member has a stop rim 23 formed thereon whose periphery extends into the common top ends of the through-bores 17 and which contacts the bottoms of the cartridge cases to position them in said through-bores. The operating member also has an hexagonally shaped cam 24 (FIGS. 3 and 4) which is spaced downwardly from the stop rim 23 a distance substantially equal to the width of the flange portions 25 of the cartridges 18, said cam having radially extended corner portions 26 which releasably engage underneath the flanges 25 of the cartridge cases and which alternate with radially reduced flat portions 27 that clear said flanges. By manually oscillating the operating member 19 the radially extended portions 26 and the reduced flat portions 27 of the cam 24 will alternately engage and release the cartridge round in the holder.

The terminal end of the shank portion 21 projects beyond the bottom face 12 of the body member 10 and an over-center detent means 28 is positioned between the body member and said shank portion. The detent means comprises a lateral bore 29 formed in the terminal end of the shank to position an axially driven, expansile tube pin 30 made of hardened steel, the pin projecting laterally therefrom in spaced relation with the face 12 and into engagement with a ball detent 31 (FIG. 6). The ball detent is provided by forming a hole 32 in the body member to receive an expansion spring 33 pressed against the ball 31. The opposed over-center positions of the operating member 19 are fixed by tube pins 34 and 35 located on each side of the ball detent and close enough thereto to maintain pin 30 in constant engagement with the spring pressed ball detent 31.

For the purpose of charging my holder with a round of cartridges the detent means 28 is visually checked (FIG. 5) to insure that the operating member is in opened cartridge flange receiving position with the flats 27 of the cam 24 in radial alignment with the through-bores 17. The holder is simply held in one hand with the bottom face 12 uppermost and with the other hand the cartridges 18 are dropped one at a time into the through-bores 17, the depths of the bores and the stop rim 23 maintaining the cartridges in proper position for securement. Next the knob 22 is turned to a position opposite that previously observed for the detent means which simultaneously moves all the radially extended corner portions 26 of the cam 24 beneath the flanges 25 of the cartridges thus releasably holding the round secure in the holder. The holder may then be placed on the person for instant loading of the round into the cylinder of a revolver by merely inserting the exposed cartridge ends into the chambers of the cylinder and then turning the knob 19 in the direction opposite to that just described. The over-center detent means 28 is adapted to positively urge the cam 24 toward either its released or hold positions while the detent means 28 and the stop pins 34 and 35 maintain the cam either in its cartridge flange released or in engaged position against accidental release of the secured cartridge round.

Having thus described my invention what I claim as new is:

1. In a fast loading cartridge holder for revolvers the combination of a cylindrically shaped body member having top and bottom planar end surfaces thereon, a two-diameter center bore formed axially through the body member, the larger diameter of the center bore being a counterbore portion through the top surface of the body member and forming an upwardly facing shoulder within the two-diameter bore, a plurality of angularly spaced apart cartridge receiving through-bores formed in the body member with their respective axes in parallelism with the axis of the center bore, said counterbore extending into the inner ends of the cartridge receiving through-bores and forming longitudinal slots in the body member between each of the cartridge receiving through-bores and the counterbore, an operating member rotatably mounted in the center bore and having an operating knob projecting beyond the top surface of the body member, said operating member having a shank forming a bearing with that portion of the center bore with the smaller diameter, a circular cartridge engaging stop rim formed on the operating member partially extending into the common end portions of the cartridge receiving through-bores adjacent the said top surface of the body member, a disc-shaped cam formed on the operating member and axially spaced from the stop rim a distance substantially the thickness of the cartridge flange and forming therebetween a cartridge flange receiving annular

groove, said cam being disposed within the counterbore and bearing against the shoulder thereof and having a number of angularly spaced apart, corner portions extending through the slots into the cartridge receiving through-bores and adapted to engage under the cartridge flanges, said cam having radially reduced portions between adjacent corner portions adapted to clear the cartridge receiving bores, and an over-center detent means between the shank of the operating member and the body member and adapted to locate the cartridge holding and cartridge released positions of the said members.

2. In the holder set forth in claim 1 wherein the shank portion of the operating member projects beyond the bottom end of the body member and the detent means is located between the extended end of the shank and the adjacent portion of the bottom end of said body member.

3. In the holder set forth in claim 2 wherein the detent means comprises a spring pressed ball seated for axial movement in the body member and a lateral pin mounted on the extended end of the shank and adapted to engage over center portions of the ball detent.

4. In the holder set forth in claim 3 wherein the lateral finger engages against and moves between stop pins projecting from the bottom end of the body member on each side of the ball detent.

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