

No. 667,351.

Patented Feb. 5, 1901.

C. R. WAGNER.
CARTRIDGE HOLDING CLIP.

(Application filed Oct. 5, 1900.)

(No Model.)

Fig. 1.

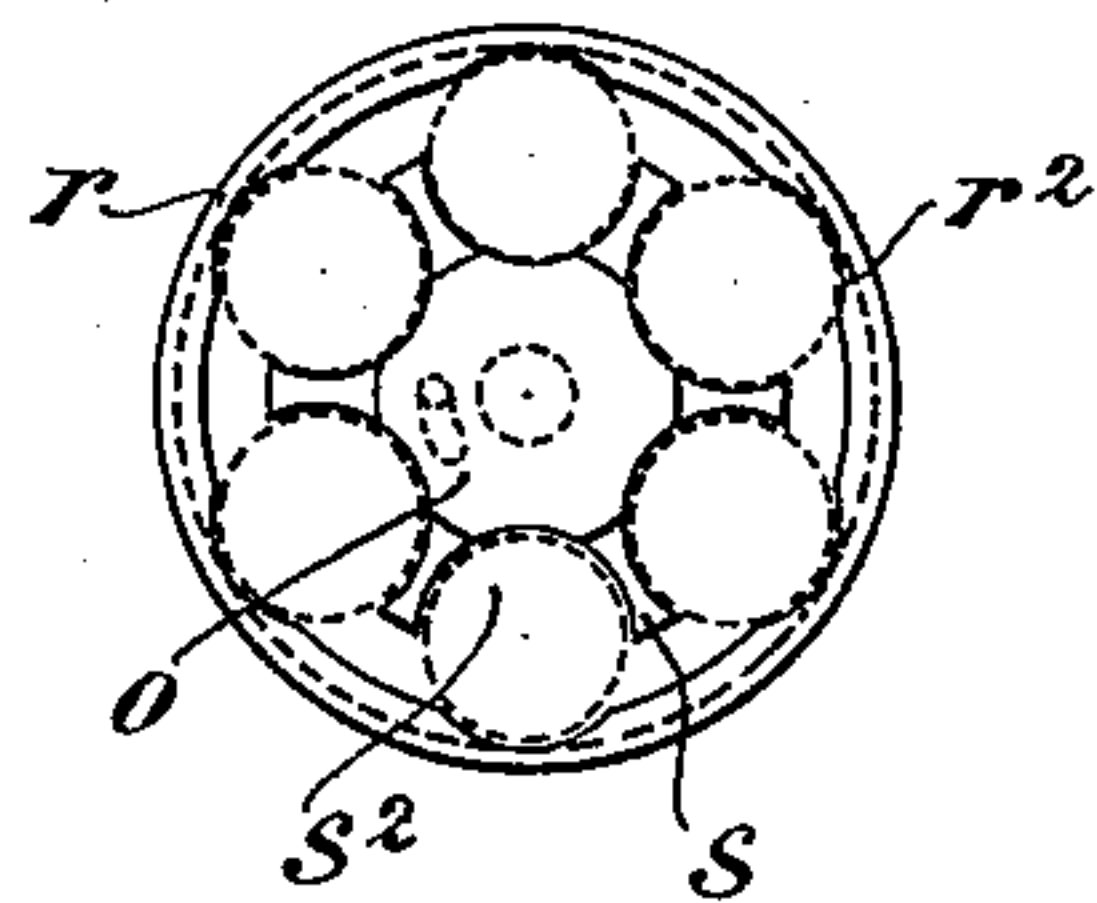


Fig. 2.

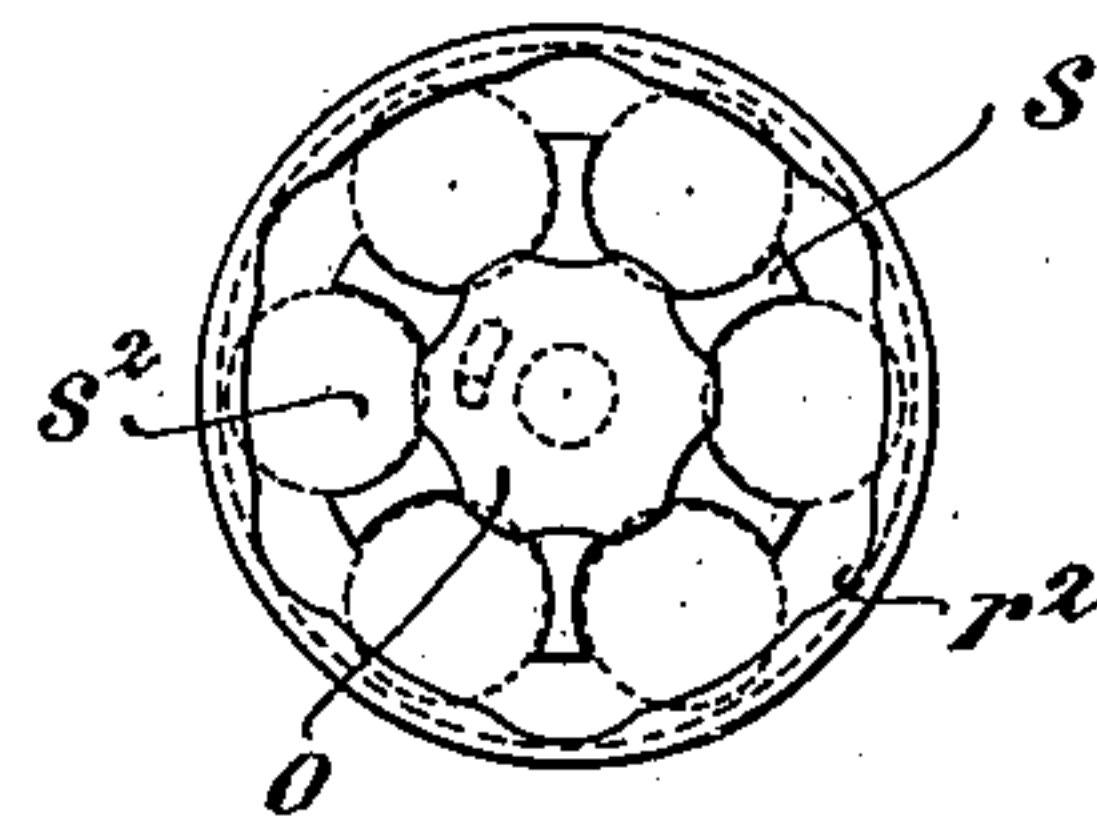


Fig. 3.

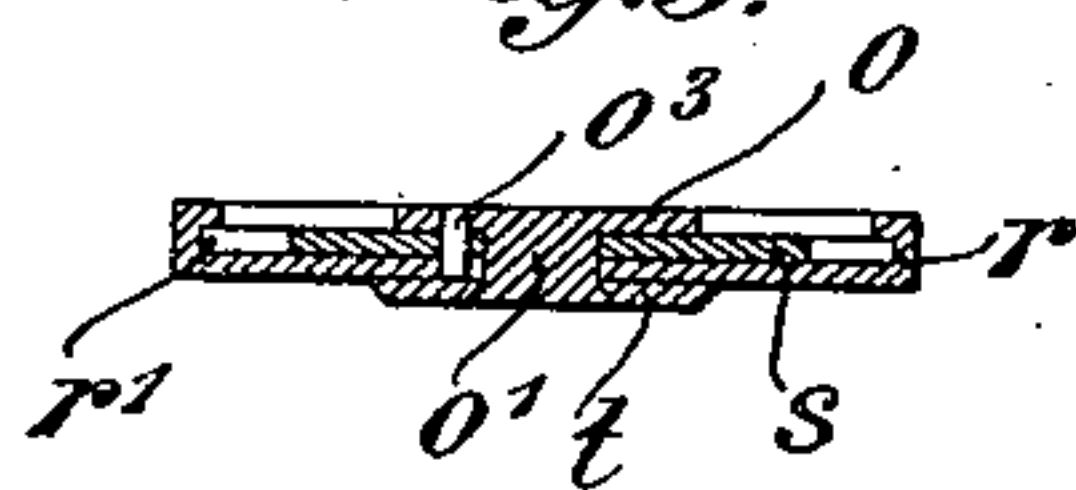


Fig. 4.

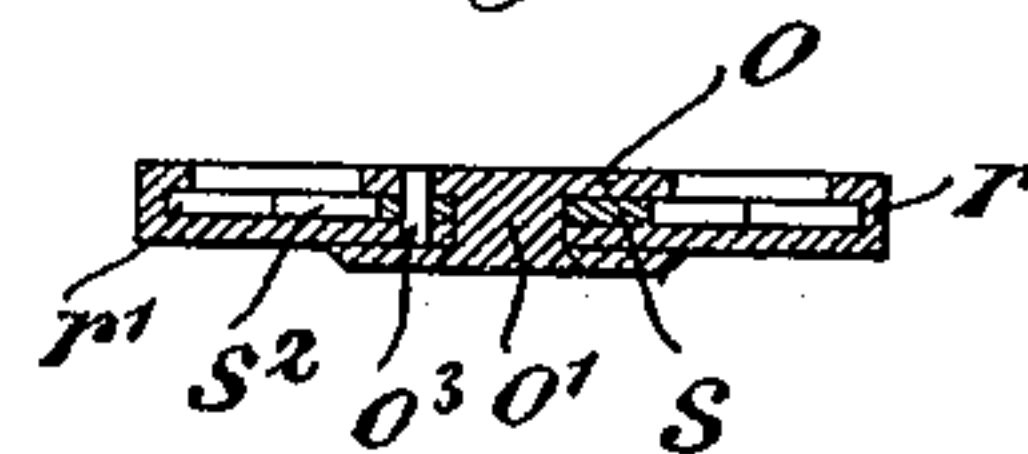


Fig. 5.

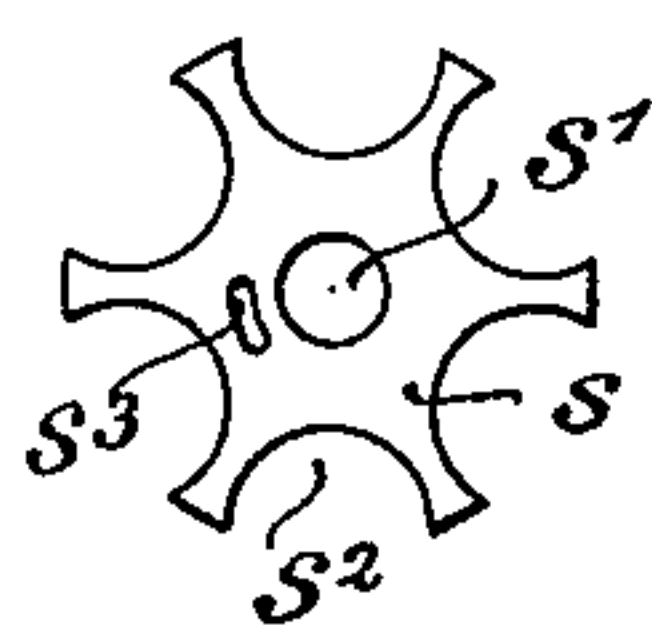


Fig. 6.

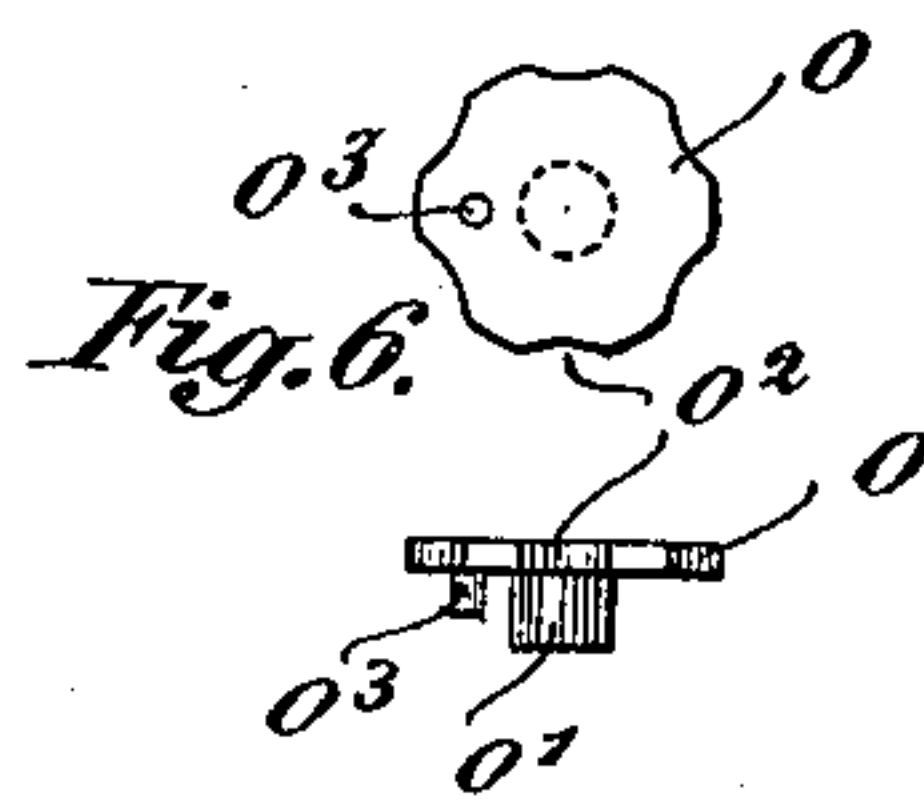


Fig. 7.

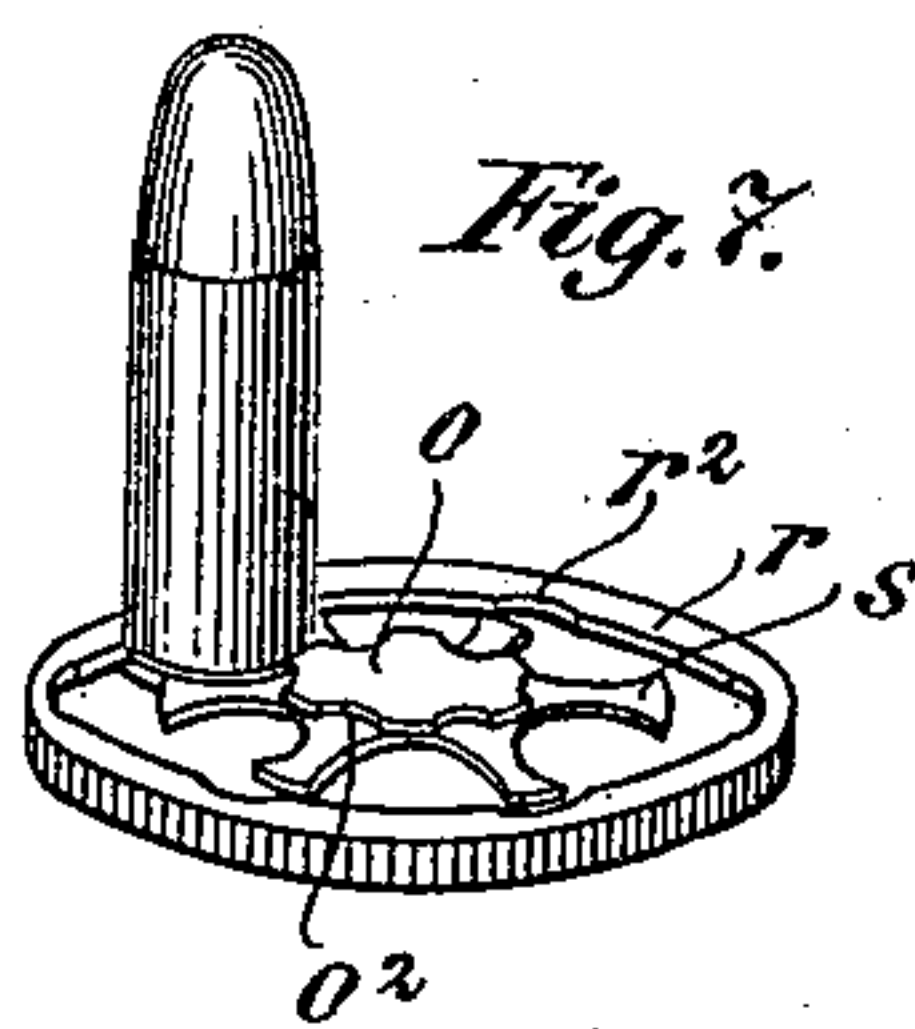


Fig. 8.

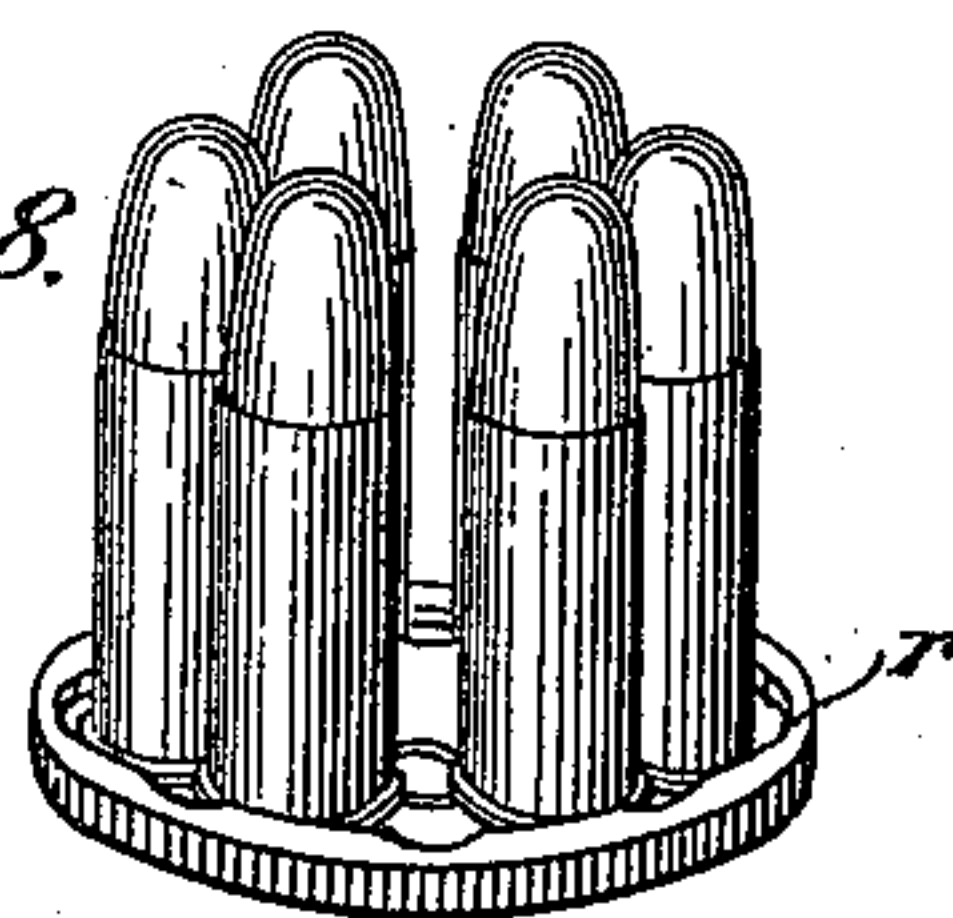
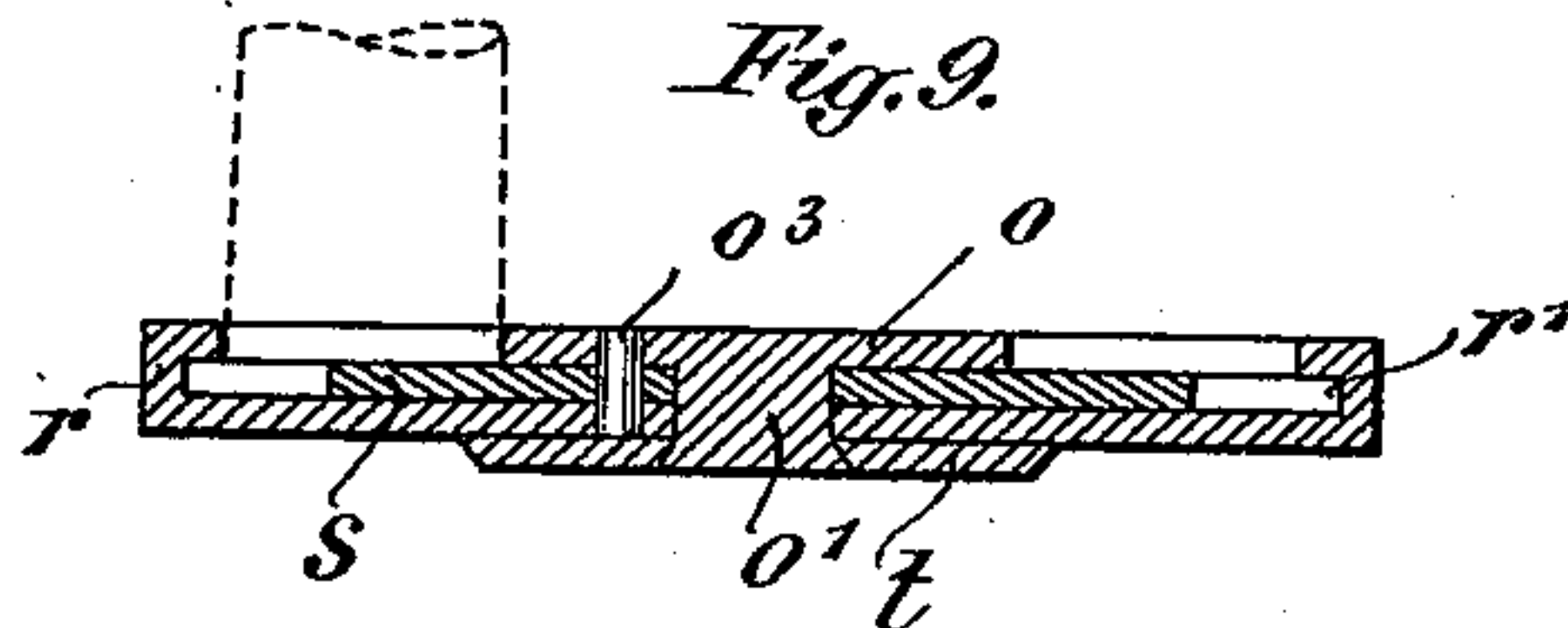


Fig. 9.



Witnesses:
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UNITED STATES PATENT OFFICE.

CARL ROBERT WAGNER, OF SUHL, GERMANY.

CARTRIDGE-HOLDING CLIP.

SPECIFICATION forming part of Letters Patent No. 667,351, dated February 5, 1901.

Application filed October 5, 1900. Serial No. 32,184. (No model.)

To all whom it may concern:

Be it known that I, CARL ROBERT WAGNER, mechanical engineer, a subject of the King of Prussia, German Emperor, residing at Bahnhofstrasse, 58^c, Suhl, in the Kingdom of Prussia, Germany, have invented certain new and useful Improvements in Frames, Clips, or Holders for Assembling and Carrying Cartridges or Projectiles in Bunches or Groups; 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.

The invention relates to a circular frame or holder for assembling and carrying cartridges or projectiles in bunches or groups, so that in weapons having their cartridge beds or seats in the breech-chambers arranged in a circle the cartridges or projectiles may simultaneously be quickly and securely inserted into the breech-chambers. Now the subject of this invention is an improvement devised for circular clips or holders of this class, whereby they are rendered more convenient for practical use and especially for quick-loading purposes.

According to this invention there is arranged centrally in the body of the clip or frame, which is provided for the purpose with undercut grooves, a star-wheel revoluble within certain limits and adapted while the frame, clip, or holder is being charged with cartridges or projectiles to conduct the latter from the point at which they are inserted under the projecting edges of the device bordering the grooves, to retain them in this position, or, in other words, secure them against any unintentional displacement, and as the cartridges or projectiles, as the case may be, are inserted into the cartridge beds or seats in the breech-chambers of the firearm to convey them back from under said edges into the position which admits of their release from the frame, clip, or holder.

In the drawings, Figures 1 and 2 are plan views of the holder, showing it open and closed, respectively. Figs. 3 and 4 are cross-sections through the holder, showing it open and closed, respectively. Fig. 5 is a detail plan view of the star-wheel. Fig. 6 is a detail

plan view and cross-section through the internal disk. Figs. 7 and 8 are perspective views of the holder, showing how it holds the cartridges. Fig. 9 is a cross-section similar to Fig. 3, but drawn to a larger scale.

The accompanying drawings illustrate such a method of assembling and carrying as applied to revolver-cartridges, for example.

In the circular frame, clip, or holder body or base r , provided with the undercut groove r' , there is centrally arranged, with its rear side on a level with the front side of the cartridge-bases, an internal disk o , which by means of the pin o' is riveted to the base or bottom of the clip or holder r , and the disk o , in conjunction with the base or bottom of the clip or holder r , forms a central groove or channel concentric with the undercut groove r' . Within this central groove or channel a star-wheel s is mounted, with capability of revolving around the pin o' . The notches s^2 of such star-wheel are concentric with the bases of the cartridges or projectiles, and the rotary motion of said wheel is limited by the pin or stud o^3 , one end of which is fixed in the disk o and the other in the washer t . To this end there is formed in the corresponding part of the star-wheel s , which has also a central perforation s' to receive the pin o' , a concentrically-curved slot s^3 for the pin or stud o^3 to work in. Both the edge of the body of the clip or holder which projects over the undercut part r' and the edge of the internal disk o are provided with recesses or notches r^2 and o^2 , respectively, corresponding to the outline of the circular bases of the cartridges or projectiles.

For the purpose of filling or charging the clip or holder the star-wheel s , as illustrated in Fig. 1, is so adjusted that its notches s^2 face both the recesses r^2 in the edge of the clip-body r and those o^2 in the internal disk o . In this position the cartridges, with their circular bases, may be inserted into the clip or holder, which insertion is preferably effected by means of the existing charging appliance, consisting of a cylinder with perforations placed in convenient situations, whence the bases of the cartridges to be placed in the clip or holder are made to protrude. Now the clip or holder, with its star-wheel s in the

position indicated in Fig. 1, is placed upon the cartridge-bases so disposed in the said cylinder, and, whether by turning the clip or holder and holding the cylinder stationary or
 5 by turning the cylinder while keeping the clip or holder stationary, the position of the star-wheel *s* in the clip or holder is so changed that it comes to be situated as shown in Fig.

2. This movement has brought the bases of
 10 the cartridges or projectiles from their original point of insertion under the unrecessed or projecting portions of the base of the clip or holder and the disk *o*, in which position they are retained or secured by the star-wheel
 15 *s*. As the cartridges or projectiles are inserted into the cartridge beds or seats in the breech-chambers of the weapon, the star-wheel *s* by a slight rotary movement is brought back to its initial position, in which it is repre-
 20 sented in Fig. 1, so that the cartridges or projectiles move from the projecting overhanging parts of the base *r* and disk *o* to the position admitting of their removal from the clip or holder, when the clip can be removed
 25 from the cartridges in the ordinary manner.

The arrangement may, as will be readily understood, be applied to flanged or unflanged cartridges or projectiles with equal effect.

If necessary, the cartridges might be fur-
 30 ther secured in position in the frame, holder, or clip by special devices, which might or might not be combined with the star-wheel *s*.

The underlying or covering plate or washer
 35 *t* might assume the shape of a flat spring, so that the star-wheel *s* would be retained by spring action in whichever position it might occupy at the moment and any tendency to unintentionally shift its position avoided.

What I claim is—

1. In a cartridge-holder, the combination, 40 with a frame having concentric undercut grooves and notches which permit the flanged ends of cartridges to be placed in the said grooves, of a revoluble wheel arranged in the said holder and operating to move the car- 45 tridges circumferentially in the said grooves, substantially as set forth.

2. A frame, clip or holder for assembling and carrying cartridges or projectiles in an-
 50 nular sets, bunches or groups comprising a body or base provided with concentric under- cut grooves or channels the overhanging parts of which are notched or recessed to admit of the insertion and removal of the cartridges or the like and a centrally-arranged star-wheel 55 located within the holder and revoluble within limits which admits of the cartridges or projectiles being combined in bunches in the holder and then carries them from the point of insertion under the unrecessed overhang- 60 ing parts of the holder which retain them in this position and secure them against unintentional displacement and eventually as the cartridges or projectiles are inserted into their beds or seats in the breech-chambers of the 65 weapon by a reverse movement the star-wheel conveys them back to the original position admitting of their removal from the clip, frame or holder substantially as herein shown and described and for the purpose stated. 70

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

CARL ROBERT WAGNER.

Witnesses:

ERNEST GUMFERT,
 E. DEL STROTHER.