

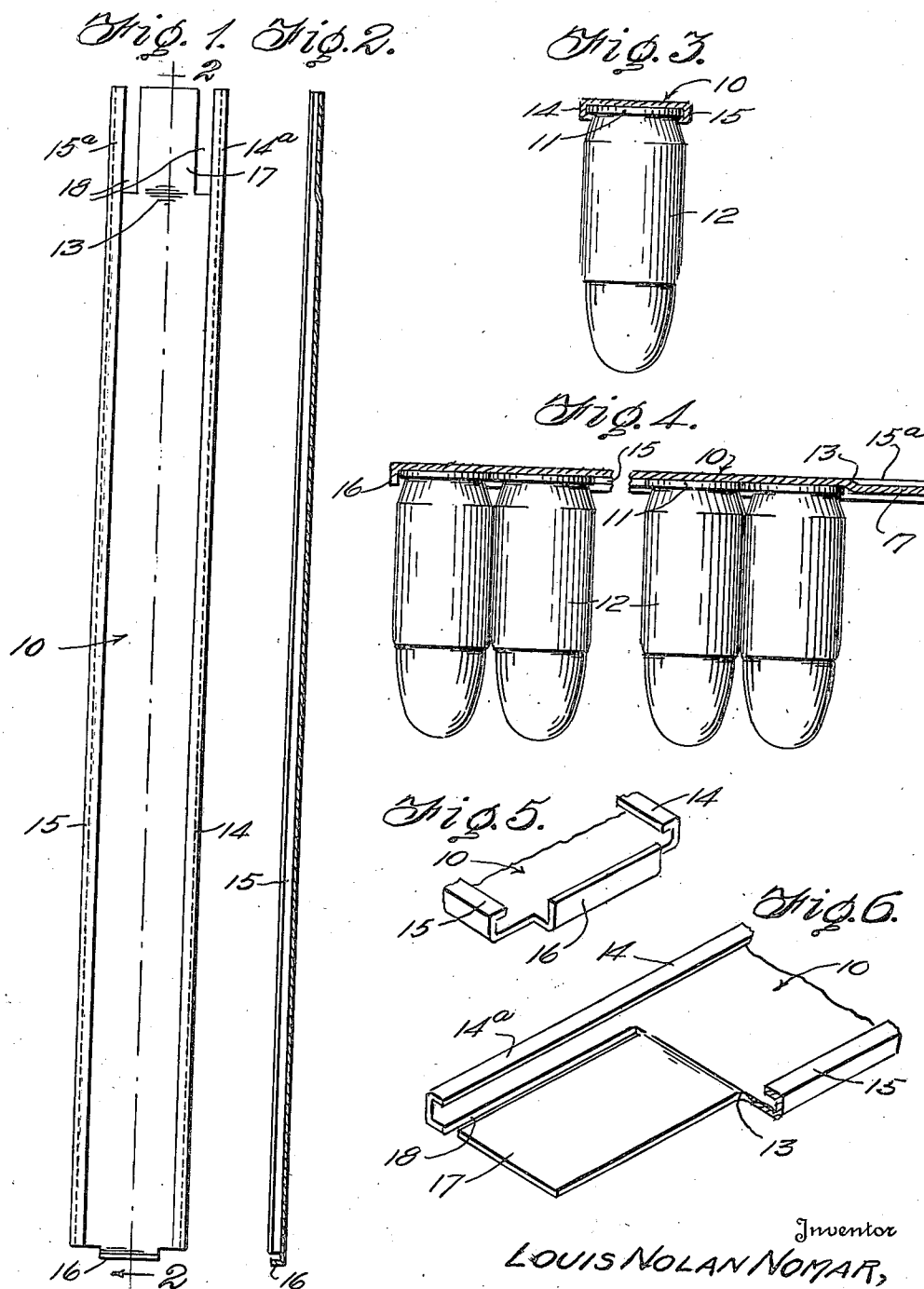
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CARTRIDGE CLIP

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2,197,313

CARTRIDGE CLIP

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Original application November 21, 1936, Serial No. 112,160. Divided and this application April 15, 1938, Serial No. 202,334

1 Claim. (Cl. 42—88)

This invention relates to a cartridge clip and is a division of my co-pending application Serial Number 112,160 filed November 21, 1936, which has matured into Patent No. 2,114,311; dated

5 Apr. 19, 1938.

An object of this invention is to provide an improved cartridge clip for holding cartridges so that the cartridges may be loaded into the magazine of a gun by engagement of the holding clip with a guide means or track carried by the gun such as the guide track embodied in my

co-pending application.

Another object of this invention is to provide a cartridge clip which is so constructed that it will hold the desired number of cartridges therein, the cartridges being firmly held against movement in one direction relative to the clip and resiliently held against movement in the opposite direction by means carried by the opposite end

of the clip.

A further object of this invention is to provide a cartridge clip of this kind which may be constructed out of a single piece of metal which may be suitably bent to provide opposed guide channels for the flanged ends of the cartridges and which also includes means whereby the cartridges are held against movement longitudinally of the clip until it is desired to remove the cartridges from the clip.

To the foregoing objects and others which may hereinafter appear, the invention consists of the novel construction, combination and arrangement of parts as will be more specifically referred to and illustrated in the accompanying drawing wherein is shown embodiments of the invention, but it is to be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawing:

Figure 1 is a detail bottom plan of a clip constructed according to an embodiment of this invention,

Figure 2 is a sectional view taken on the line 2—2 of Figure 1,

Figure 3 is a transverse sectional view of the clip with a cartridge disposed therein,

Figure 4 is a fragmentary longitudinal section of the clip in loaded condition,

Figure 5 is a fragmentary perspective view showing the fixed abutment at one end of the clip, and

Figure 6 is a fragmentary perspective view of the opposite end of the clip and showing the resilient retainer.

Referring to the drawing, the numeral 10 designates an elongated flat strip or body part which has a width substantially equal to the outer diameter of the flange or bead 11 carried by the shell portion 12 of a cartridge. The strip 10 is constructed of suitable length so as to hold the desired number of cartridges therein, and this strip 10 is provided along the longitudinal edges thereof with a pair of confronting oppositely disposed inverted L-shaped members 14, 15 which overlap and coact with spaced lengthwise portions of the strip 10 to form oppositely disposed inwardly opening combined guide and retaining channels for the beads or flanges 11 of the cartridges. The said channels are coextensive with the strip 10. The outer faces of the side walls of said channels are flush with the longitudinal edges of strip 10. These channel members 14 and 15 are disposed on the same side of the strip 10 as shown in Figures 5 and 6. One end of the strip 10 is provided with a fixed abutment in the form of an L-shaped member 16 which projects outwardly from and has its base integral with the edge of strip 10 at said end thereof. The member 16 is spaced equi-distant from corresponding ends of said channels.

The clip includes a discharge end terminal portion and such portion is provided therein with a resilient rectangular tongue 17 of materially less width than said strip 10 and has its outer end flush with the outer terminous of the portion aforesaid. The inner end of the tongue 17 is downturned, curved and merges into the body of strip 10. The downturned inner end of tongue 17 normally offsets the latter with respect to the upper face of strip 10 and forms a curved deflector for elevating the cartridges as they pass into said discharge and terminal portion in a direction for discharge from the clip. The tongue 17 constitutes a retainer acting to yieldingly retain the elevated cartridge against accidentally moving out of the discharge and terminal portion of the clip. The tongue 17 is struck from the strip 10, and when struck the strip 10 is formed with a pair of spaced parallel rectangular cut-outs opening at the outer terminous of the said end terminal discharge portion of the clip. The tongue 17 is arranged above and spaced equi-distant from the bottom portions of the combined guide and retaining channels which are positioned at the said discharge end terminal portion. The inwardly extending upper portions 14^a, 15^a of the members 14, 15 respectively coact to provide a guide track for the cartridges which

have passed the deflector 13 into the discharge and terminal portion of the clip.

In the use of this clip the cartridges are inserted in the clip by pulling the tongue 17 outwardly with respect to strip 10 and sliding the flanged end portions 11 of the shells 12 in the combined guide and retaining channels from the outer terminous of the discharge end terminal portion of the clip until the latter is filled. The filled clip is then inserted in the guide track member in my copending application Serial Number 112,160. The cartridges may then be removed from the clips by forcibly moving the cartridges longitudinally of the clip which will force the tongue 17 outwardly and permit the cartridges to slide off and into the magazine of the gun. In the event any cartridges remain in the clip, such cartridges will be held from sliding off of the clip by means of the yieldable tongue 17 which will yieldably hold a cartridge in the discharge end terminal portion of the clip.

The hereinbefore described clip is adapted to be inserted in the guide channel 37 as shown in the above mentioned co-pending application and the discharge end of the clip is adapted to abut against the outer end of the cartridge holding or suspension and guide element 38—39. In this manner when the clip is in the open end of the magazine, the clip forms an extension of the magazine so that the cartridges may be easily pushed forwardly into the magazine causing the resilient tongue 17 to flex to a released position with the cartridges moving inwardly along the magazine cartridge suspension member.

This clip can be constructed out of sheet metal being stamped and formed from a single piece of

metal which has the desired rigidity to retain a straight form, the shape of the clip being reinforced through the medium of the confronting members 14 and 15.

What I claim is:

A cartridge clip comprising a rectangular body part of strip-like form, oppositely disposed spaced inverted parallel substantially L-shaped members integral with and coextensive with said body part, said members being disposed at the longitudinal edges of and having their upper portions overlapping spaced parallel lengthwise portions of said body part, said members coacting with said lengthwise portions to provide a pair of oppositely disposed inwardly opening combined guide and retaining channels for the flanges of the cartridges mounted in the clip, said channels being coextensive with said body part and each formed of an outer side wall, a top wall and a bottom wall, said body part being formed at one terminal portion thereof with a pair of spaced parallel rectangular cut-outs opening at one end of said body part and each having its outer lengthwise wall provided by an end terminal portion of the bottom of a channel, that portion of said body part between said cut-outs being offset and providing a curved deflector integral with said body part merging into the inner end of a resilient rectangular retainer arranged between and spaced from said channels and having its outer end positioned at the said end of said body part, and an angularly-shaped abutment integral with and extended from the other end of said body part, of less width than the length of said other end and spaced from corresponding ends of said channels.

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