

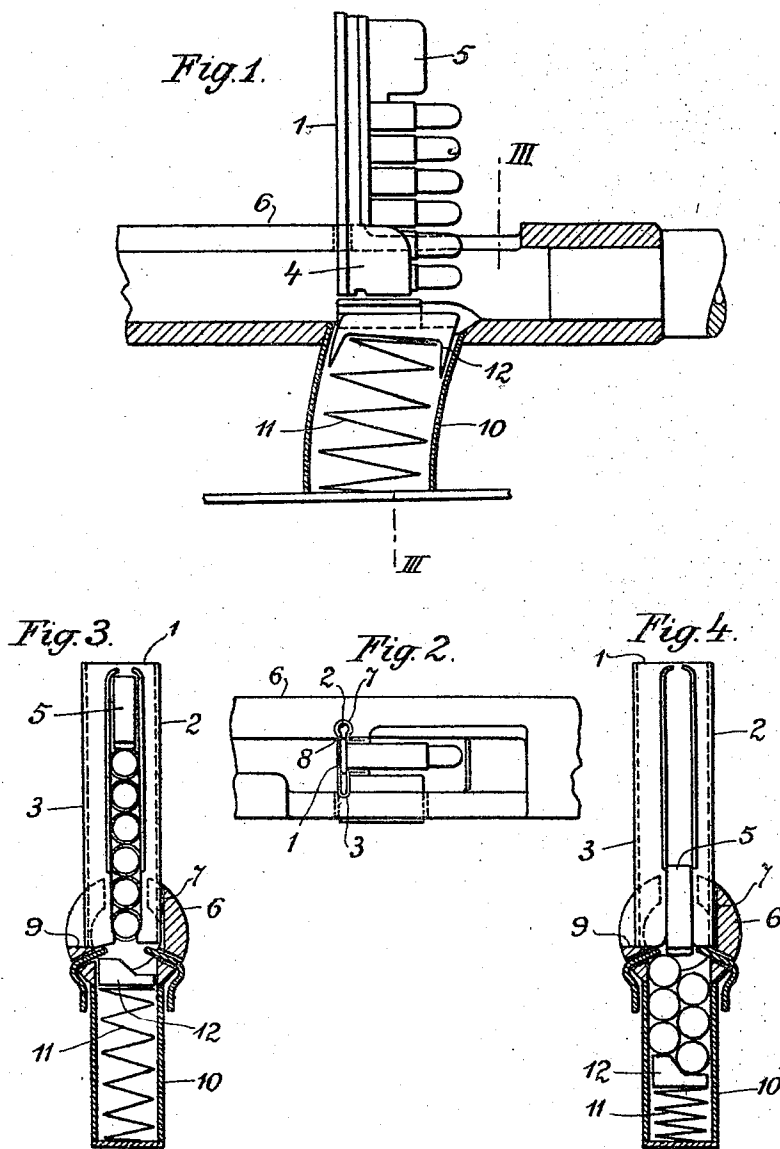
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CHARGER LOADING RIFLE AND CHARGER THERETO

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CHARGER-LOADING RIFLE AND CHARGER THERETO

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This invention relates to charger-loading rifles and more particularly to the construction of the charger guides and charges of such rifles.

Charger-loading rifles could hitherto only be constructed with a breech casing which was closed behind the cartridge ejector opening. In other words, the loading of rifles with charges was impossible if the breech casing had a slot at one side of it and above the magazine of the rifle. This was due to the fact that the charger could not be duly fixed during the loading of such rifles.

The present invention makes it possible to construct charger-loading rifles of the last mentioned type by forming the charger as well as the charge guide in such a manner that the charger can be well secured in its guide, in spite of the fact that it is held only on one side.

In the accompanying drawings one form of the invention is shown by way of example.

Figure 1 is a partial longitudinal section of a rifle in which a charger is inserted.

Figure 2 is a top plan view of the rifle according to Figure 1, but after the removal of a part of the charger.

Figure 3 is a section taken on line III—III of Figure 1.

Figure 4 is the same section but with the cartridges already forced into the magazine.

Referring to the drawings, the longitudinal edge 2 of the charger strip 1 is enlarged and has preferably a circular cross section, i. e. the strip 1 has a bulb on one side of it. The other edge 3 of the charger strip is flat in cross section and, after insertion of the charger, rests on the surface 9 of the breech casing, thus limiting the movement of the strip 1. It is to be understood, however, that the depth of insertion of the strip 1 can be limited also by its edge or bulb 2. On the strip 1 are provided the well known elastic lips 4 for the purpose of retaining the cartridges in the charger.

In order to depress the cartridges, during the loading of the rifle, only by acting on their rear portions, for instance at the rim of their bases, and to attain thereby a smooth sliding down of the cartridges, there is arranged

on the charger a press block 5, the contact surface of which touches the cartridges only at the rim of their bases or at the portion adjacent to the base. The other portion of the cartridges remains untouched by the block 5, as is best shown in Figure 1.

On the one side of the breech casing 6, above the magazine 10 of the rifle, there is a bore 7 and a slot 8 (see Fig. 2) which form a groove serving as charger guide, in which the lower portion of the edge 2 of the strip 1 can be inserted. The slot 8 is adapted to take the flat part of the strip 1, while the bore 7 takes the bulb 2. Consequently, the slot 8 forming the opening of the groove is narrower than the diameter of the bore 7, which forms the inner portion of said groove. After insertion of the strip 1 into the groove 7, 8 in which the strip preferably fits tightly, this strip is fixed against shifting in any direction parallel to the barrel or crosswise to it. Thus the strip 1 is fixed by means of its one edge only as well as by the guides of the known rifles in which the strip is totally surrounded by its guides.

The loading of the rifle is effected, as is well known, by pressing the block 5 downwards and thus forcing the cartridges of the charger into the magazine 10, in which the platform 12 and the magazine spring 11 are situated.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. In a charger-loading rifle a slot situated on one side of the breech casing and above the magazine of the rifle, a charger guide consisting of a groove which is situated in an immovable part of the rifle and above said magazine, said groove having an opening which is narrower than the inner portion of it and being adapted to take an edge of a charger strip provided with an enlargement on its said edge and adapted to fit tightly in said groove.

2. In a charger-loading rifle a slot situated on one side of the breech casing and above the magazine of the rifle, a charger guide consisting of a groove which is situated in said

breech casing and above said magazine, said groove having an opening which is narrower than the inner portion of it and being adapted to take an edge of a charger strip provided with an enlargement on its said edge and adapted to fit tightly in said groove.

3. In a charger-loading rifle as claimed in claim 1, a groove forming the charger guide and consisting of a bore adapted to take the enlargement of the charger strip and of a slot adapted to take the flat part of said charger strip.

4. In a charger-loading rifle as claimed in claim 2, a groove forming the charger guide and consisting of a bore adapted to take the enlargement of the charger strip and of a slot adapted to take the flat part of said charger strip.

5. In a charger for charger-loading rifles, a charger strip adapted to take the bases of the cartridges, a press block guided in said strip and adapted to depress the cartridges of the charger into the magazine, an enlargement on one edge of said strip adapted to fit tightly into the charger guide of the rifle.

6. In a charger as claimed in claim 5, a press block touching the cartridges only at the parts adjacent to their base.

In testimony whereof I affix my signature.

RUDOLF v. FROMMER.