

(No Model.)

P. MAUSER.
CARTRIDGE PACK FOR MAGAZINE GUNS.

No. 547,932.

Patented Oct. 15, 1895.

Fig 4.

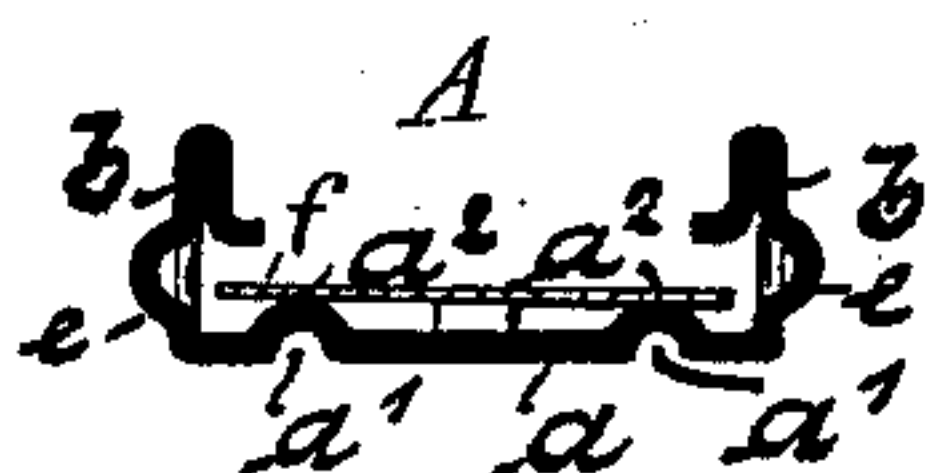


Fig 2.

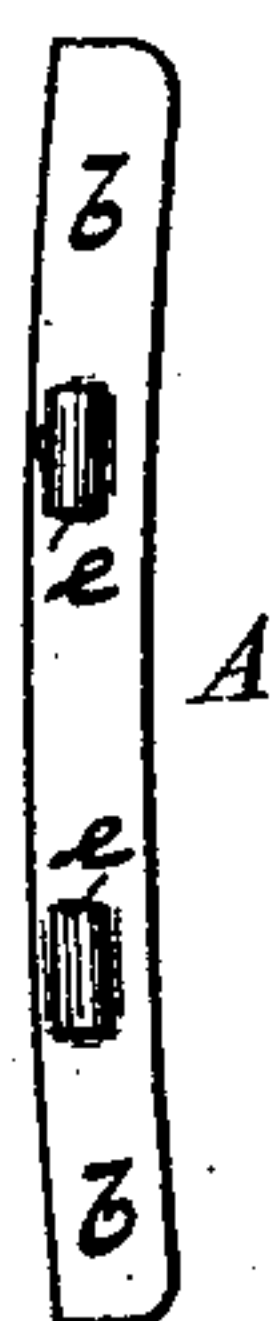


Fig 1.

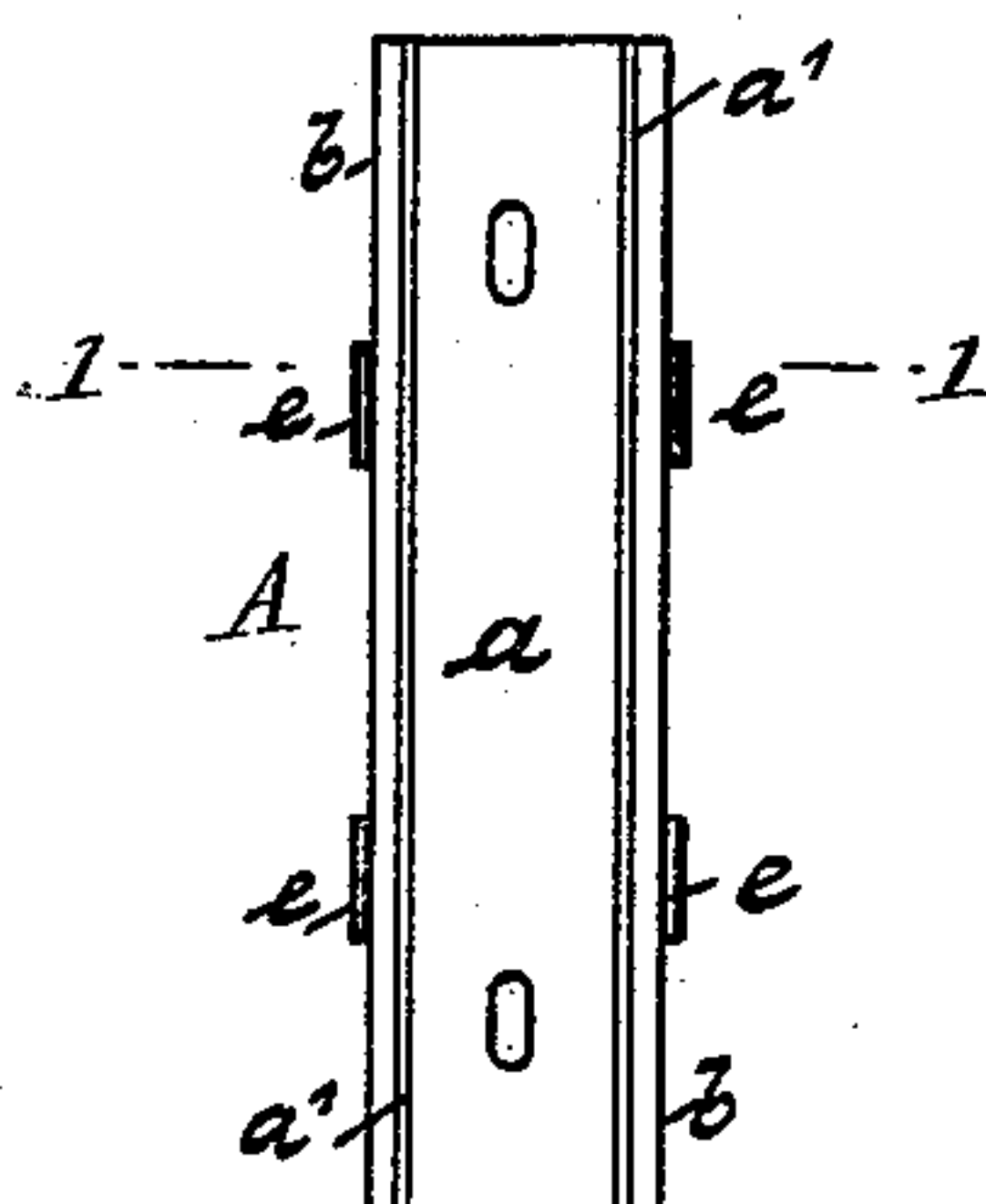


Fig 3.



Fig 5.



Fig 6.



Fig 7.



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UNITED STATES PATENT OFFICE.

PAUL MAUSER, OF OBERNDORF, GERMANY, ASSIGNOR TO THE WAFFEN-FABRIK MAUSER, OF SAME PLACE.

CARTRIDGE-PACK FOR MAGAZINE-GUNS.

SPECIFICATION forming part of Letters Patent No. 547,932, dated October 15, 1895.

Application filed April 26, 1894. Serial No. 509,076. (No model.) Patented in England April 14, 1894, No. 7,451; in Belgium July 16, 1894, No. 110,628; in Austria March 18, 1895, No. 45/926, and in Hungary March 18, 1895, No. 2,304.

To all whom it may concern:

Be it known that I, PAUL MAUSER, a subject of the King of Württemberg, residing in Oberndorf-on-the-Neckar, in the Kingdom of Württemberg, Germany, have invented certain new and useful Improvements in Cartridge-Holders for Magazine-Guns, of which the following is a specification, which invention is the subject of Letters Patent in Great Britain, No. 7,451, dated April 14, 1894; in Belgium, No. 110,628, dated July 16, 1894; in Austria, No. 45/926, dated March 18, 1895, and in Hungary, No. 2,304, dated March 18, 1895.

This invention relates to cartridge-holders of the class shown in my Letters Patent of the United States No. 482,376, dated September 13, 1892, and aims to provide certain improvements in such holders. Heretofore such holders have consisted of plain trough-shaped metal bodies having against their smooth inner bottoms a leaf-spring acting against the bases of cartridges grasped between their flanges. These plain holders are inserted in the bridge-opening of a gun over the magazine, and then the cartridges slid through the holder into the magazine by pressure exerted on the topmost cartridge.

One object of this invention is to facilitate the charging or filling of the magazines of breech-loading firearms from these holders, and another object is to improve the construction of the holder to the end that its leaf-spring may act advantageously. The first object is attained by providing means on the holder for better guiding and supporting it when in the notched bridge of the breech-case of the arm when the cartridge-package is to be inserted into the magazine to such effect that one is enabled to conveniently fill the magazine when the gun is held at an inclination or in the dark. These means for supporting the holder in the bridge-notch are projections, warts, or equivalent provisions on the flanges of the holder projecting near its lower and upper ends, which are received in or guided by corresponding convex recesses, cavities, or equivalent provisions formed in the bridge of the breech-case when the holder is put into the latter to about one-quarter of the length of the holder preliminary to dis-

charging the cartridges therefrom into the magazine. When these projections are thus engaged by their recesses, the holder is held firmly in its position while the cartridges are being expelled into the magazine, whereupon one may in any manner remove the empty holder out of the notch of the bridge.

In former constructions of holders it might easily and often happen that the cartridge-holder, not being positively fixed and held in position in the bridge-notch, was improperly placed or edged, and then the cartridges were correspondingly displaced when discharged from the holder and a proper filling of the magazine was rendered difficult or impossible.

It will be understood that my improved holder has the same objects, operates in the same manner, and answers the same purpose as that shown in my said patent and in my United States Letters Patent No. 402,605, dated May 7, 1889.

In the accompanying drawings, which illustrate the preferred form of my invention, Figure 1 is a rear elevation of a cartridge-holder for those cartridges which have an annular peripheral groove around their base or rear end. Fig. 2 is a side elevation thereof. Fig. 3 is a longitudinal section thereof. Fig. 4 is a cross-section of the holder shown in Fig. 1, cut on the line 1 1 and on a larger scale. Fig. 5 is a longitudinal section of the leaf-spring of the holder, showing it in the form occupied while in the frame of the holder. Fig. 6 is a front elevation thereof, and Fig. 7 is an edge view of this spring when taken out of the frame of the holder and in its free curved position.

Referring to the drawings, let A represent the holder as a whole, which is substantially similar in construction to that shown in my said Patent No. 482,376, and consists of a frame of sheet metal having a back *a*, longitudinal side flanges *b*, which may be of a single thickness of metal or folded or doubled metal, as shown, and a leaf-spring *f*, which is placed in this frame between the flanges and at the inner side of the back in the usual manner, and which presses outwardly against the bases or bottoms of the cartridges and holds them firmly in their position in the holder.

As thus far described the holder is of ordinary construction, but in contradistinction to prior constructions. According to my invention the flanges *b* are provided at a suitable point or points, and preferably near the lower and upper ends, with lateral projecting lugs, warts, or equivalent provisions *e*, which are preferably symmetrically or similarly located relatively to the ends of the holder and pressed out of the sheet metal itself, although they may be instead connected to it in any suitable manner. These warts *e*, as before mentioned, engage with or enter into corresponding provisions, as cavities, notches, grooves, or holes, provided or formed on or in the notched bridge of the breech-case, when the cartridge-package and the holder are put into the said case to discharge the cartridges into the magazine. In this manner the holder is maintained firmly in the case in a slightly-inclined position, as is necessary or desirable for inserting the cartridges into the magazine. When thus held, the holder and the entire cartridge-package with it cannot be displaced, edged, or removed, even when the filling of the magazine is performed in a disadvantageous position of the gun or in the dark. The like positions of the warts *e* relatively to the ends of the holder permit the latter to be used with either end lowermost.

The greater the pressure with the thumb of the user on the top of the cartridge-package the more strongly is the holder fixed in its position in the bridge-notch, and the more surely will the cartridges be put in proper order into the magazine. In this respect the new cartridge-holder involves a great and important improvement, particularly noticeable in its use with repeating guns which are filled by means of cartridge-packages.

My invention comprises a further improvement of the cartridge-holder, which preferably consists in forming on the inner face of the back *a* one or more spring-bearing ridges, projections, or edges α^2 , traversing the holder longitudinally and receiving the reaction of the spring *f*. These ridges or projections are preferably formed by pressing longitudinal grooves or indentations α' into the backs *a* at their outer sides, and thereby raising corresponding edges or projections α^2 on the inner face of the back, which are well adapted for the support of the spring. By this arrangement the spring when in the holder is held freely

therein and at some distance from the back *a* thereof, whereby it better performs its function, and all dust and dirt entering behind the spring, which might impair its tension, can be removed by a single push or blow through the holder.

It will be seen that my invention provides improvements in cartridge-holders which can be conveniently and advantageously availed of, and it will be understood that the invention is not limited to the particular construction and arrangement of these improvements set forth and shown as embodying the preferred form of the invention, but that the improvements may be employed according to such modifications and details of construction and arrangement as circumstances or the judgment of those skilled in the art may dictate without departing from the spirit of the invention.

What I claim is—

1. In a cartridge holder, a metallic frame having a back *a* and longitudinal side flanges *b*, said flanges each having on their sides two projecting warts *e* for guiding and fastening the holder, said warts symmetrically located relatively to the ends of said flanges and adapted to enter concave cavities in the bridge notch of the breech case of a magazine gun, whereby said holder can be used with either end lowermost, substantially as and for the purpose set forth.

2. In a cartridge holder, a frame having a back *a* and longitudinal side flanges *b*, said frame constructed on the inner face of its back with projections α^2 , in combination with a spring *f* carried in said frame and reacting against said projections.

3. In cartridge holders, a metallic frame having a back *a* and longitudinal flanges *b*, said back having longitudinal impressed grooves α' in its outer face, and corresponding longitudinal edges α^2 on its inner face, in combination with a spring *f* within said frame reacting against and supported by said edges, said edges equally distant from the sides of said holder.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

PAUL MAUSER.

Witnesses:

HENRY M. HERMANN,
ISAAC GANS.