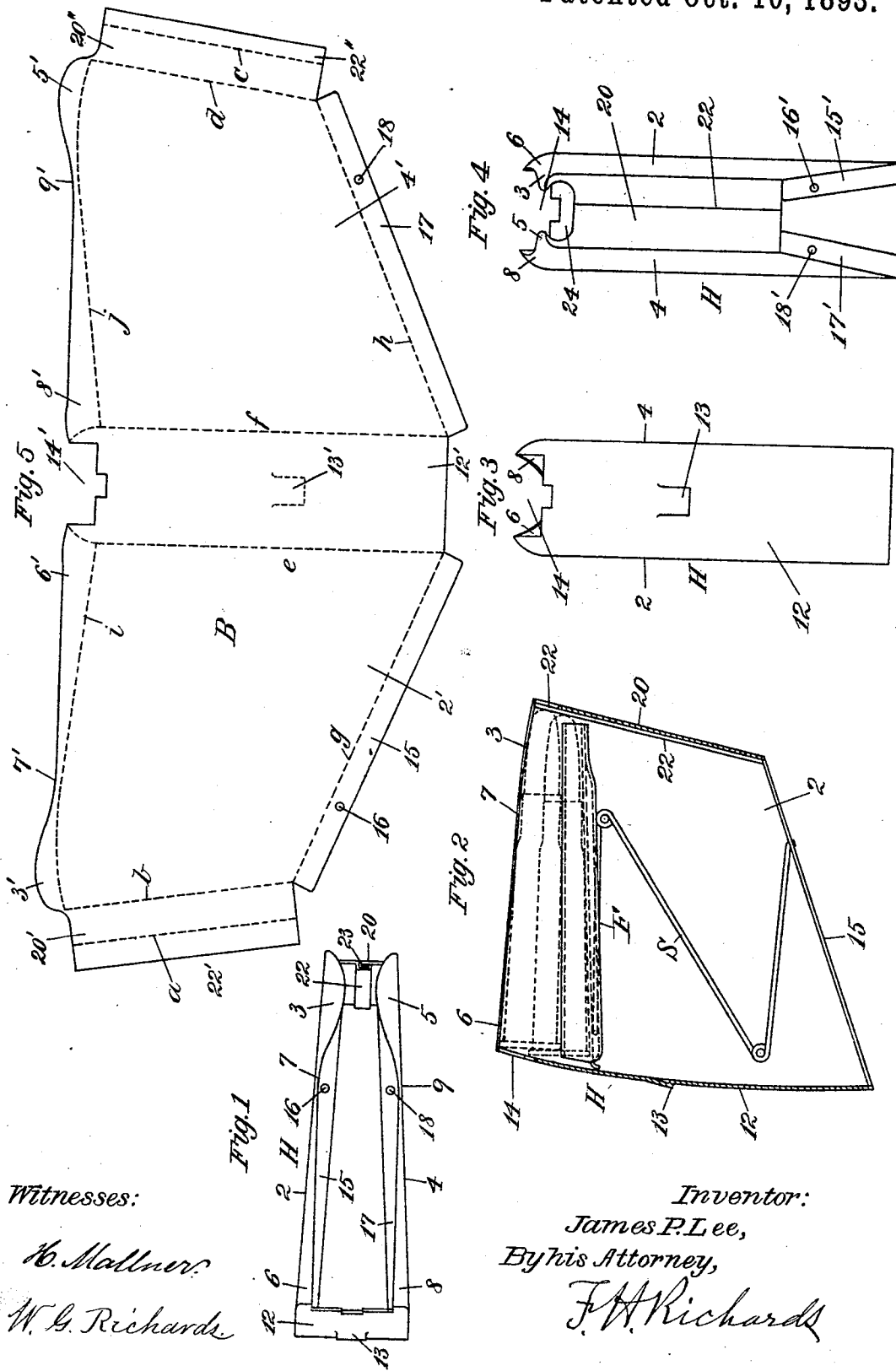


(No Model.)

J. P. LEE.
MAGAZINE CASE FOR FIREARMS.

No. 506,323.

Patented Oct. 10, 1893.



Witnesses:

H. Mallner.
W. G. Richards.

Inventor:

James P. Lee,
By his Attorney,
J. W. Richards

UNITED STATES PATENT OFFICE.

JAMES P. LEE, OF ILION, NEW YORK.

MAGAZINE-CASE FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 506,323, dated October 10, 1893.

Application filed October 1, 1892. Serial No. 447,540. (No model.)

To all whom it may concern:

Be it known that I, JAMES P. LEE, a citizen of the United States, residing at Ilion, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in the Manufacture of Magazine-Cases, of which the following is a specification.

This invention relates to the manufacture of the cases, or boxes, of cartridge-magazines for use in connection with breech-loading firearms; the object being to furnish an improved case or box for the class of renewable cartridge-magazines described in my application, Serial No. 447,539, filed October 1, 1892; which magazine is especially adapted for use in the "Lee" type of magazine-guns, and is shown so applied in my prior application, Serial No. 443,481, filed August 19, 1892.

In the drawings accompanying and forming a part of this specification, Figure 1 is a plan view of my improved magazine-case. Fig. 2 is a vertical longitudinal section of the magazine-case, and showing this provided with a suitable cartridge-supporting platform, or follower, and a preferred form of platform-elevating spring. Fig. 3 is a view of the rear end of the magazine-case, drawn in projection with Fig. 2. Fig. 4 is a front end elevation of the magazine-case, drawn in projection with Figs. 2 and 3, and as seen from the right-hand of Fig. 2. Fig. 5 is a plan view of an unfolded blank from which the magazine-case may be constructed.

Similar characters designate like parts in all the figures.

My improved magazine-case is constructed of a blank of thin sheet-metal of suitable quality cut to the required shape and size, and afterward folded and swaged into the required form by means of dies.

One of the chief objects of my invention is to produce a box-shaped magazine-case which shall be light and strong, and which, at the same time, may be so cheaply manufactured that it may, without undue loss, be thrown away when emptied of cartridges.

The magazine herein shown, which is designated in a general way by H, is the magazine shown and described in my aforesaid application, Serial No. 447,539. This magazine consists, briefly described, of the casing, com-

prising the two side-walls 2 and 4, the rearward end-wall 12 and forward end-wall 20, a suitable follower, as F, for supporting the cartridges, and a spring for elevating the follower. This latter feature, the spring, which is shown of a "Z-shaped" form and is designated in a general way by S, is described and claimed in my application, Serial No. 447,541, filed October 1, 1892, to which reference may be had. The lower end of the spring rests in the holes 16' and 18' formed in the inwardly-turned flanges, 15 and 17, of the finished magazine-case, Figs. 1, 2 and 4; while the upper end rests against or engages the under side of the platform, or follower F, Fig. 2.

In Fig. 2, two cartridges are shown, by dotted lines, in place in the magazine-case.

The platform, or follower, F, is or may be of the stepped construction shown, in a less perfect form, in my prior application, Serial No. 314,529, filed June 17, 1889. The follower is constructed for supporting two corresponding but independent columns of cartridges located side by side within the magazine-case. The uppermost cartridge at the top of one of the columns is held between the curved side or lip, as 6 or 8, of the cartridge-case and the uppermost cartridge of the opposite column, the flange of the cartridge extending somewhat above the lower edge of the front end of the bolt of the gun in which the magazine is to be used.

In Fig. 5 is shown, in plan or outline, the blank from which to form the magazine-case shown in Figs. 1 to 4, inclusive; this may be done by suitably folding and stamping or swaging the same, without the use of any extraneous means for joining together the edges of the blank; which edges may readily be clasped together and the seam then compressed to form a close and strong joint.

In the plan view of the blank, which is designated in a general way by B, the dotted lines indicate the lines on which the blank is to be folded to produce the magazine-case. In this view I have given to the various portions of the blank from which are formed the various sides, ends, and other parts of the magazine, the same reference characters, with the addition of the "prime" mark, as are used to designate said several parts in the completed magazine-case.

The magazine-case, when completed, consists of the side-walls 2 and 4, the rearward end-wall 12, and the forward end-wall 20. The rearward end-wall may have the catch 13 formed therein as a means for retaining the magazine in the gun, as shown and described in my aforesaid application, Serial No. 443,481. On the lower edges of the side-walls are formed the flanges hereinbefore mentioned, 15 and 17, for supporting the magazine-spring S. For the purposes of my present invention, however, said flanges 15 and 17 may be replaced by any other suitable spring-supporting means.

The forward end-wall 20 is shown composed of the two parts 20' and 20'', Fig. 5, these parts having the extensions 22' and 22'', respectively, from which to form the folded seam, or joint, at 22, Figs. 1, 2 and 4. Said seam, in its preferred form, is of the ordinary interlocked description, which will be understood from description of the end view thereof at 23, Fig. 1.

The dotted lines *a, b, d* and *c*, in Fig. 5, show the points at which the blank B is bent for forming the said front end-wall 20 and its seam.

The dotted lines *e f* show the lines on which the blank B is bent for forming the rearward corners of the magazine-case.

The dotted lines *g h* show the lines on which the blank B is bent for forming the portions 15'—17' into the supporting flanges 15 and 17, respectively.

The dotted lines *j* show the lines from which the side-wall portions 2' and 4' of the blank B are bent or turned inwardly to form the portions 6' and 8' into the cartridge-guiding edges, or lips, 6 and 8, respectively; and to form the projecting portions 3' and 5' into the cartridge-retaining-and-guiding lips 3 and 5, respectively, of the completed magazine.

The notch 14', shown in Fig. 5 in the upper end of the rearward end-wall portion 12', is shown of substantially the form and proportions usually required for permitting the movement of the longitudinally-reciprocating bolt of the gun when the magazine is in place for use.

At the front end of the magazine, when this is fully formed, there is a passage-way, 24, whose length in a crosswise direction (as illustrated in Fig. 4) is greater than the distance between the lips 3 and 5; which lips, being curved on their inner edges as illustrated in Fig. 1, tend to hold down the point of the cartridge until this is projected through the opening 24, Fig. 4, after which said lips 3 and 5 serve as a guide for properly steadying the point of the cartridge during its further forward and lifting movement while being discharged from the magazine into the bore of the gun.

Having thus described my invention, I claim—

As an improved article of manufacture, a one-piece removable magazine-case constructed substantially as described, from a blank having side and end-wall forming portions adapted to be bent or folded on lines *a, b, c, d* and *e, f*, to form the sides and ends of the case and having its upper and lower edges adapted for being bent on lines *i, j* and *g, h*, respectively, for forming cartridge-retaining and guiding lips at the top, and spring-supporting-flanges at the bottom of the case, all of which portions are bent or folded on said lines and form, when so folded, a completed magazine-case, substantially as shown and described.

JAMES P. LEE.

Witnesses:

FRANCIS H. RICHARDS.

W. G. RICHARDS.