

937,188.

L. A. SHERMAN.
CARTRIDGE SHELL.
APPLICATION FILED MAR. 22, 1909.

Patented Oct. 19, 1909.

Fig. III.

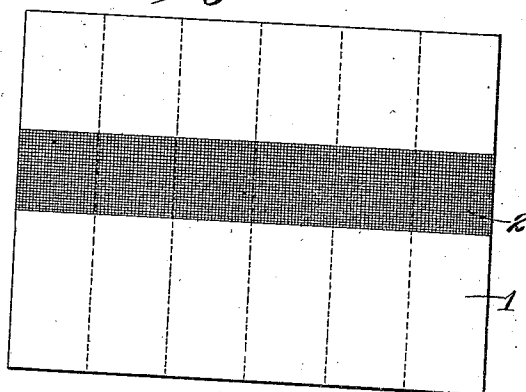


Fig. I.

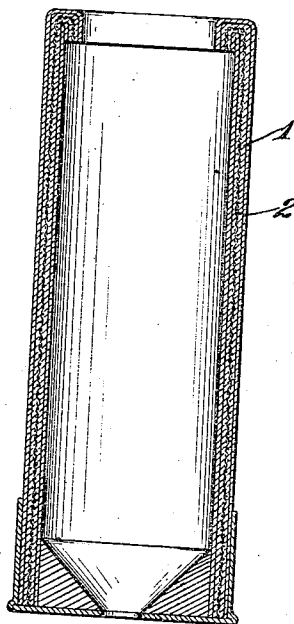
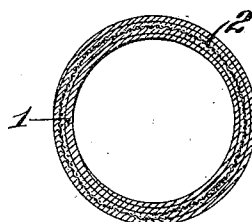


Fig. II.



Witnesses.

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UNITED STATES PATENT OFFICE.

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CARTRIDGE-SHELL.

937,188.

Specification of Letters Patent.

Patented Oct. 19, 1909.

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To all whom it may concern:

Be it known that I, LOUIE A. SHERMAN, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Cartridge-Shells; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

15 My invention relates to cartridge shells and has for its object to provide a device of that class having a reinforced shell portion that will not split or tear while the cartridge is being loaded or discharged. In accomplishing this object I have provided the improved details of structure hereinafter described and pointed out in the claim, reference being had to the accompanying drawings in which like reference numerals refer to like parts throughout the several views and in which:—

Figure I is a longitudinal sectional view of a cartridge shell constructed according to my invention. Fig. II is a cross sectional view of same. Fig. III is a plan view of a sheet from which a number of shells are formed, showing the manner of applying my reinforcement.

35 In manufacturing shells of this character, it is customary to roll a tube of sufficient length to form a number of individual shells and later cut same to a desired length, the tube being pressed to form a substantially rigid body, and the material of which same is formed being preferably provided with an adhesive coating to insure a close contact of the different layers.

45 In practicing my invention, I form the elongated tube, but place a strip of reinforcing material therein by rolling same with the body material during the formation of the tube, the reinforcing strip being

of sufficient width to completely encircle the inner portion of the tube body, when the latter is formed. In accomplishing this result, 50 I place the reinforcing strip 2, which is preferably of fine wire mesh, lengthwise of the sheet 1, that forms the body of the tube. The body 1 is usually composed of paper and is of sufficient width to form four wraps to the shell, and the reinforcing member 2 of sufficient width to form a single wrap and placed in such position on the body 1 that it will be located between two layers of the body material, when the tube is formed. 60 During the formation of the tube, the reinforcing layer is preferably pressed into the body layers.

The tube containing the reinforcing body may be cut to shell lengths as heretofore described, and the brass head applied in the ordinary manner. 65

When loading the shell the outer end may be crimped in the usual manner as the reinforcement is flexible and will allow the body 70 of the shell to be turned, although strengthening the crimp, when made.

It is readily apparent that in using cartridges of this construction, there will be less tendency of the shell to tear, split or cut off 75 than in a shell of the usual construction.

Having thus described my invention, what I claim as new therein and desire to secure by Letters Patent is:—

80 A multiple blank for forming cartridge shells, comprising a covering strip of sufficient length to form a plurality of individual shells and of sufficient width to form a plurality of layers in the shell cylinder, and a narrow strip of foraminous material 85 extending throughout the length of the covering strip and overlaid thereon, substantially as and for the purpose set forth.

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

LOUIE A. SHERMAN.

Witnesses:

MYRTLE M. JACKSON.

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