

No. 890,686.

PATENTED JUNE 16, 1908.

W. L. MYERS.

GUN WAD.

APPLICATION FILED DEC. 14, 1907.

Fig. 1.

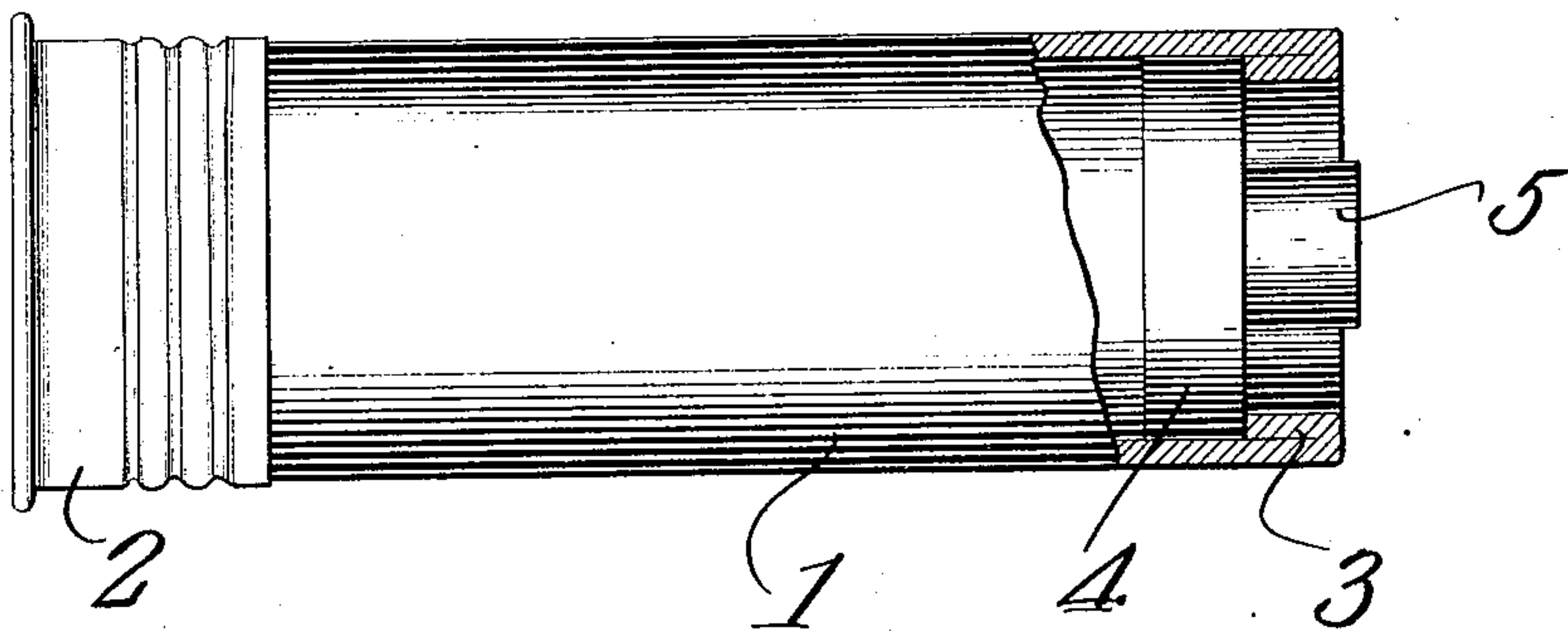


Fig. 2.

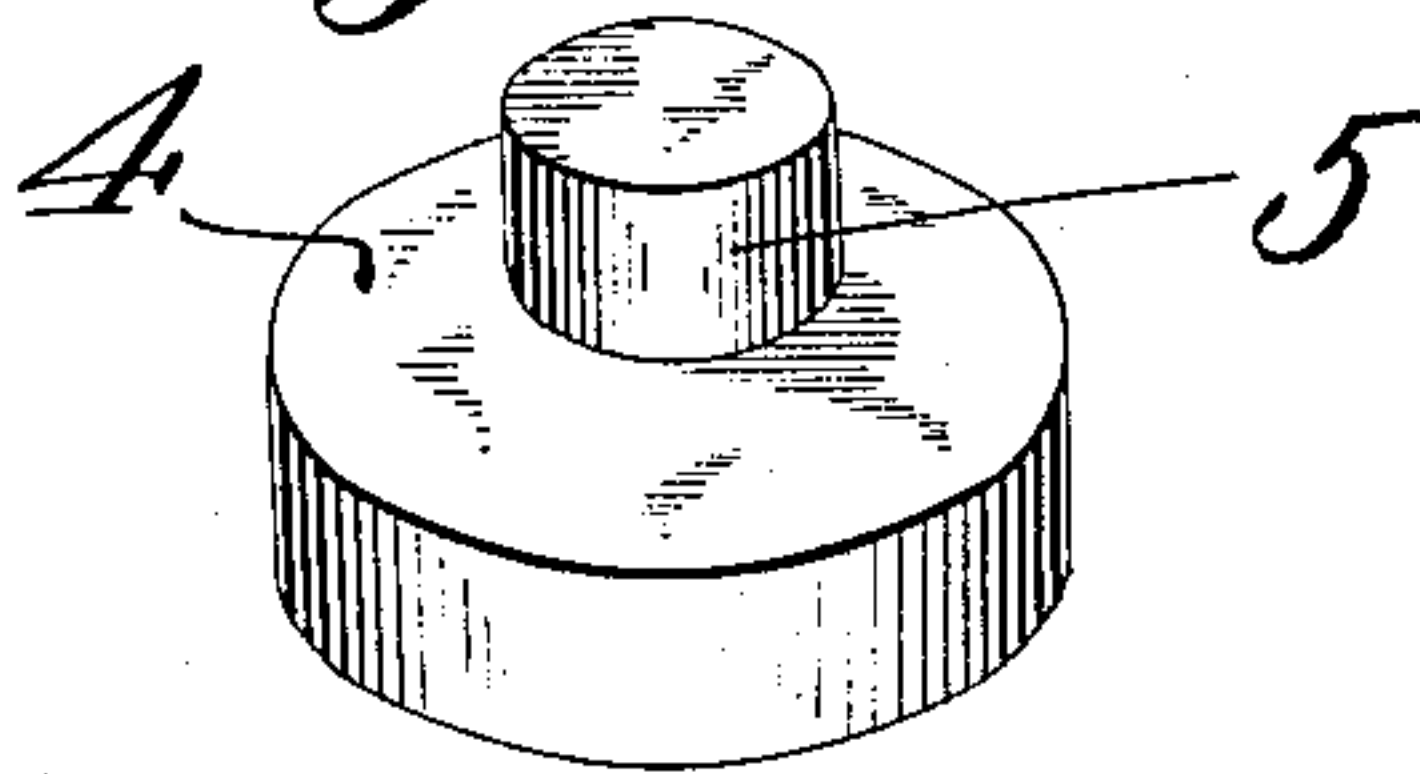


Fig. 3.

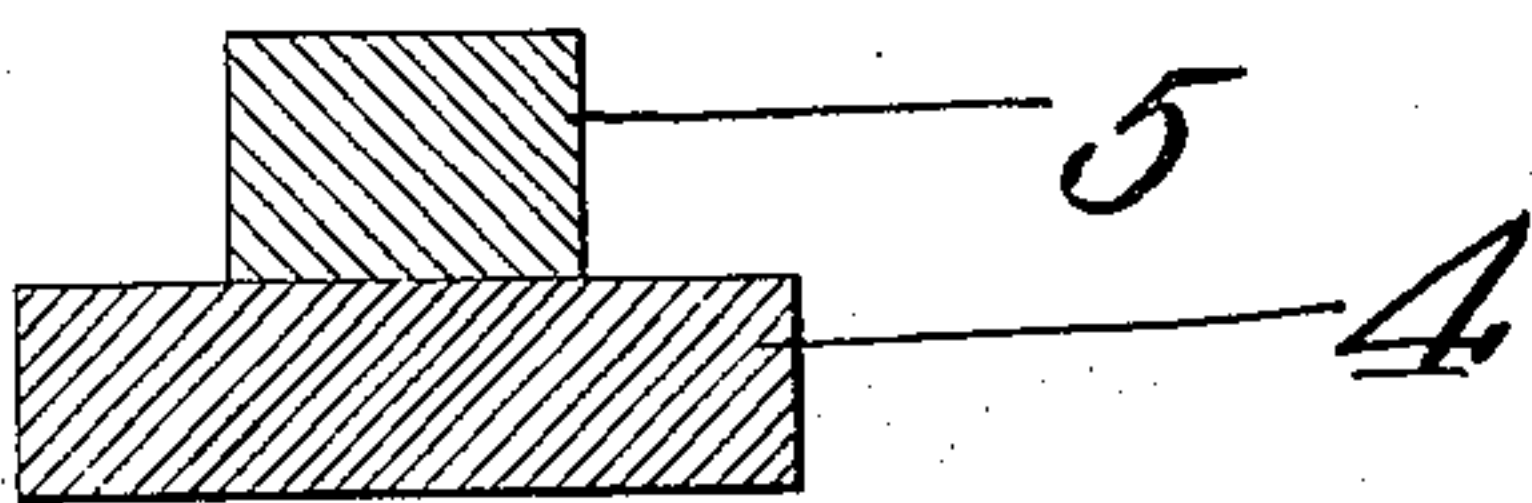
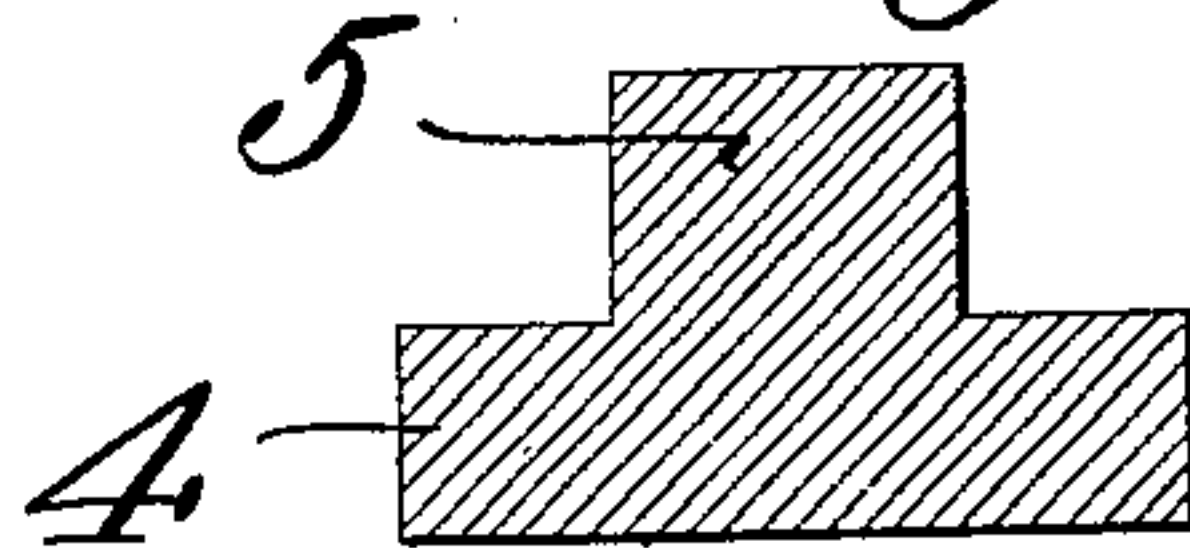


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM L. MYERS, OF INDUSTRY, ILLINOIS.

GUN-WAD.

No. 890,686.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed December 14, 1907. Serial No. 406,557.

To all whom it may concern:

Be it known that I, WILLIAM L. MYERS, a citizen of the United States, residing at Industry, in the county of McDonough and State of Illinois, have invented a new and useful Gun-Wad, of which the following is a specification.

This invention relates to gun wads.

The upsetting or distortion of the crimped end of paper cartridges is a source of trouble and annoyance, when such cartridges are used in modern magazine shot guns, for the reason that such distortion frequently prevents the cartridge from entering the cartridge chamber, and thereby necessitates removal from the magazine of the entire series of shells. This distortion or mashing is caused by the contact between the crimped end of one cartridge and the cap end of a succeeding cartridge, and is accentuated by the pressure of the feeding spring.

It is the object of the present invention in a ready, practical, inexpensive and positive manner to obviate the above objectionable feature, so that as much assurance of proper feeding of the cartridges will be present with the use of paper shells as with those made of metal.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the combination with a cartridge shell having a crimped edge, of a flat gun wad abutting against the edge and having a guard projecting therebeyond.

The invention consists further in certain novel details of construction of a gun wad, as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a view in side elevation, partly in section, of a paper shell gun cartridge, displaying the gun wad of the present invention assembled therewith. Fig. 2 is a perspective detail view of the gun wad. Fig. 3 is a section through the wad. Fig. 4 is a similar view of a modified form.

Referring to the drawings, 1 designates the body of the shell, which is constructed of paper in the usual manner, 2 the cap or butt end of the body, and 3 the crimped edge. As these parts may be of the common, or any

preferred construction, further description thereof is deemed unnecessary.

The present invention resides more particularly in the novel form of wad to be used in connection with the shell. This wad, which is shown in detail in Fig. 2, comprises the wad proper, 4, and a boss or protuberance 5 projecting from one side thereof and constituting a guard. The wad 4 is a flat disk and may be one of any of the ordinary kinds in use, and the guard 5 may be constructed of any suitable material, such as leather, paper pulp, or the same material as that from which the wad is made, and may be attached to the wad by a suitable adhesive, or otherwise.

While it will generally be preferred to construct the guard in cylindrical form, as shown in Fig. 2, it is to be understood that it may be of any other contour that may be elected.

Instead of having the wad and guard made as two separate elements and assembled, they may, as shown in Fig. 4, be integral structures formed by molding, stamping, or otherwise.

As shown in Fig. 1, when the wad is positioned within the shell, and the latter is crimped, the guard will project a sufficient distance beyond the crimped end of the shell positively to prevent the latter from contacting with the butt end of an adjacent shell, so that no matter what pressure the feeding spring may exert on the series of cartridges, distortion, upsetting, or bruising of their crimped ends will be effectively obviated.

As will be obvious, the cost of production of the gun wad herein shown over the ordinary forms in common use will be so slight as more than to offset the loss of cartridges resulting from having their crimped ends injured in the manner above described.

I claim:—

The combination with a cartridge shell having a crimped edge, of a flat gun wad abutting against the edge and having a guard projecting therebeyond.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM L. MYERS.

Witnesses:

JOHN O. MILLER,

JAMES K. GUNNING.