

(Model.)

R. W. MORGAN.

CHARGE RETAINER AND CONCENTRATOR FOR CARTRIDGES.

No. 287,151.

Patented Oct. 23, 1883.

Fig. 1

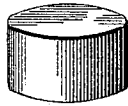
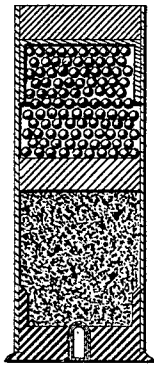


Fig. 2.



Witnesses;
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CHARGE RETAINER AND CONCENTRATOR FOR CARTRIDGES.

SPECIFICATION forming part of Letters Patent No. 287,151, dated October 23, 1883.

Application filed June 27, 1883. (Model.)

To all whom it may concern:

Be it known that I, ROBERT W. MORGAN, a citizen of the United States, residing at Lynchburg, in the county of Campbell and State of Virginia, have invented a new and useful means by which the charge of powder and shot is retained in brass and paper shells used in breech-loading shotguns, of which the following is a specification.

My invention relates to a new and useful means for retaining the charge in brass and paper shells, and of concentrating the charge of shot with increased penetration. There are several ways of retaining the charge in shells to avoid crimping, but none have the double advantage that my invention has of retaining the charge and of concentrating the shot, being both simple and cheap. The objection that has been raised by sportsmen against the "metal star" and "wads with wire points," which enter the sides of the shell to retain the charge and avoid crimping, is that this metal will scratch the barrels of the gun. The ordinary brass shell, it is conceded, shoots harder than the paper, but the means heretofore employed in using it and the trouble and expense of making it so as to admit of being crimped prevent most sportsmen from using it.

In using my invention with the brass shell there is no necessity of making it thinner, so as to admit of crimping, but to be used just as it is at present. The paper shell can be crimped by the use of the crimper; but it takes an extra amount of work, and when a shell has once been crimped and discharged it is difficult to insert the wads in reloading. All sportsmen agree that if a shell is not loaded properly poor shooting will be the consequence—that is, if the wad is not carried squarely down on the shot the gun does not shoot well, either in penetration or pattern;

but in using my invention, even in careless hands, every shell is loaded alike. It also obviates the cutting off the paper shell, which is necessary when the charge does not come out near the end, as there is too much to be smoothly crimped.

I attain the objects of my invention by the mechanism of the accompanying drawings, in which—

Figure 1 is a representation of the retainer and concentrator combined, showing it to be a cylinder closed at one end and about half of an inch in length. Fig. 2 is a section of a loaded shell with the retainer and concentrator in position.

My invention consists of a cylinder-shaped cap, about one-half of an inch in length, closed at one end, and of about the thickness of the ordinary paper shell, and of several sizes to fit the different-sized shells. The material used is best to be made of paper, although some other material might be used. They are made by the process generally employed in making paper shells. The outside of this cap is gummed or glued, which is moistened and inserted in the shell and pressed firmly down on the shot, which completes the loading.

I claim as my invention and desire to secure by Letters Patent of the United States—

The described wad or charge-retainer for cartridge-shells, consisting of a cylindrical shell or cap closed at one end, and having its outer walls gummed, whereby by moistening the same it shall be caused to adhere to the shell, and thus be retained when placed in position in the latter, substantially as set forth.

ROBERT W. MORGAN.

Witnesses:

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