

(No Model.)

W. W. McKAY.
CARTRIDGE.

No. 538,620.

Patented Apr. 30, 1895

FIG. 1.

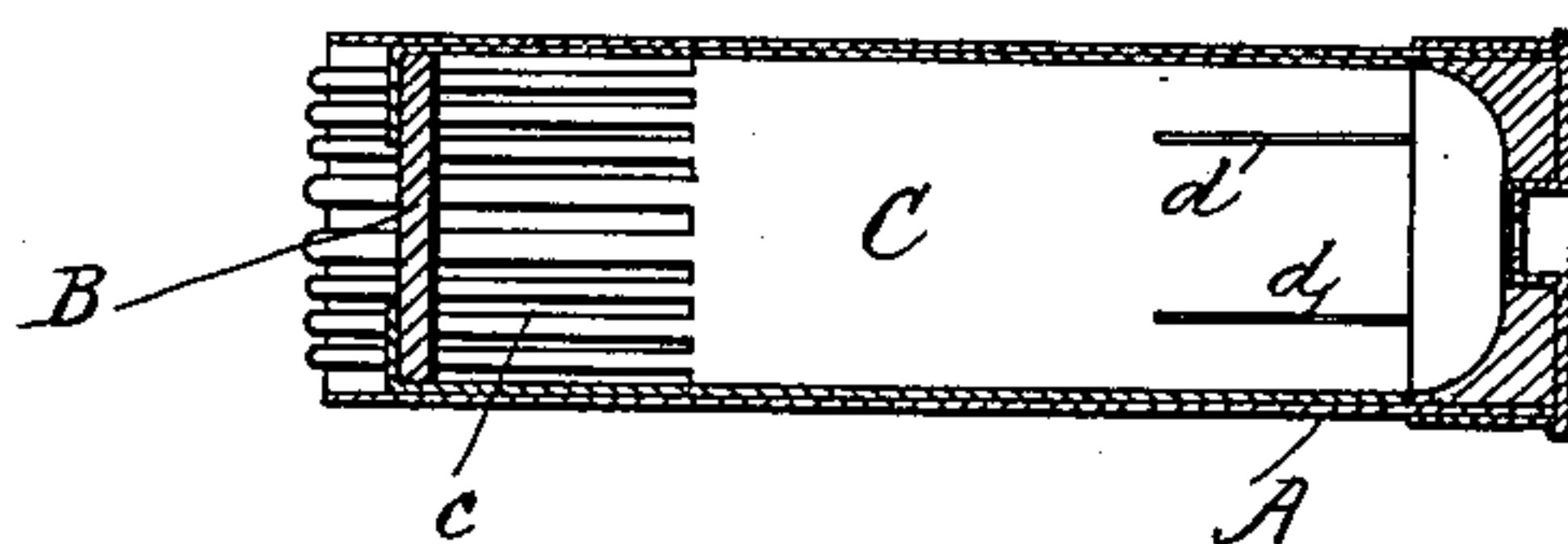
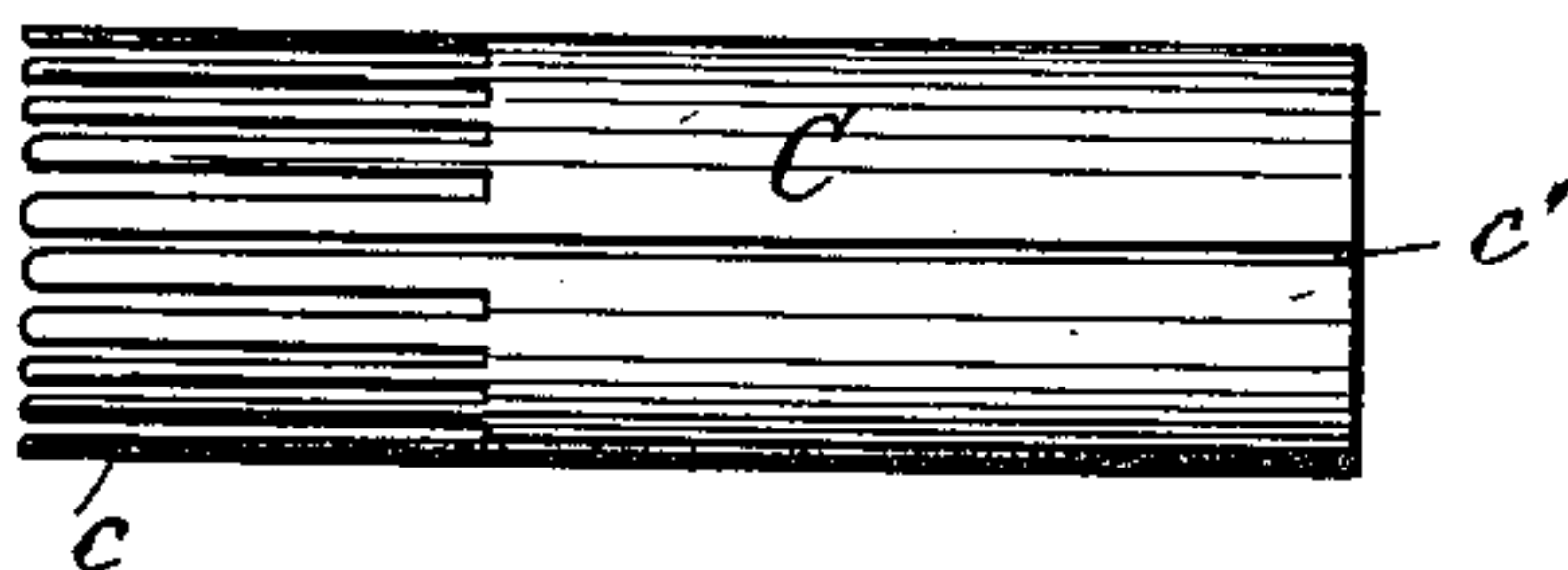


FIG. 2.



WITNESSES:

Henry N. App
Anna S. Gilbert.

INVENTOR

Wm. W. McKay

BY

Herbert W. Jenner.

ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM W. MCKAY, OF STANTON, NORTH DAKOTA.

CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 538,620, dated April 30, 1895.

Application filed July 20, 1894. Serial No. 518,137. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. MCKAY, a citizen of the United States, residing at Stanton, in the county of Mercer and State of North Dakota, have invented certain new and useful Improvements in Cartridges; and I do hereby 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.

This invention relates to cartridges used in shot guns; and it consists in the combination with the cartridge shell, of an expansible tube placed inside the cartridge and provided with tongues at its front end for retaining the wad, as hereinafter fully described and claimed whereby the wad is retained in position until the cartridge is fired and whereby the wad retainer is prevented from leaving the cartridge when the latter is fired.

In the drawings, Figure 1 is a longitudinal section through a cartridge constructed according to this invention. Fig. 2 is a side view of the wad-retainer removed from the cartridge.

A is an ordinary cartridge case which may be of any approved construction, and be formed of metal, paper or other approved material.

B is a wad at the mouth of the cartridge for retaining the powder and shot therein.

C is the wad retainer consisting of an open ended tube provided with a series of tongues at its front end. The tube is made to fit

closely in the cartridge case, and is preferably expansible. The tube C is preferably split longitudinally from end to end at *c'*, and in addition may have additional short splits *d* to render it more freely expansible.

When the cartridge case has been charged with powder and shot, and the wad has been placed in position, two or more of the tongues are folded over the wad and serve to retain it in position without crimping the end of the cartridge. When the charge is fired, its expansion retains the tube in the cartridge case, and the folded tongues are blown out straight.

The same wad retainer may be used repeatedly in the same case or in a new case, as long as there remain any tongues on it to fold over the wad.

What I claim is—

1. The combination, with a cartridge case and a wad, of a wad retainer formed of an expansible tube fitting the said case and provided with tongues at its front end adapted to be bent over the wad, substantially as set forth.

2. The combination, with a cartridge case and a wad, of a wad retainer fitting the said case and formed of a split tube provided with tongues at its front end adapted to be bent over the wad, substantially as set forth.

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

WILLIAM W. MCKAY.

Witnesses:

A. B. STRICKLER,
OTTO KRIEGER.