No. 662,137. Patented Nov. 20, 1900.

H. A. TELLERSON.

COMBINATION GUN CARTRIDGE.

(Application filed Mar. 10, 1900.)

(No Model.)

Fig. 1.

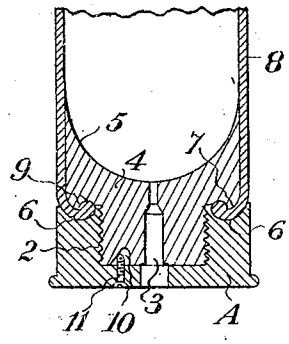
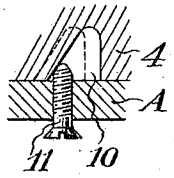


Fig. 2.



Witnesses,
[illegible]
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UNITED STATES PATENT OFFICE.

HENRY A. TELLERSON, OF OAKLAND, CALIFORNIA, ASSIGNOR OF ONE-HALF TO WINFRED CASTOR, OF SAN FRANCISCO, CALIFORNIA.

COMBINATION GUN-CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 662,137, dated November 20, 1900.

Application filed March 10, 1900. Serial No. 8,181. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. TELLERSON, a citizen of the United States, residing at East Oakland, county of Alameda, State of California, have invented Improvements in a Combination Gun-Cartridge; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improved construction for gun-cartridges.

It consists of the parts and the constructions and combinations of parts hereinafter described and claimed.

It also comprises details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a section, and Fig. 2 is an enlarged view.

In the manufacture of paper and like cartridges there is a metallic base to which the paper portion of the cartridge is united, said paper portion being adapted to contain the charge of powder and shot or like projectile, and when such cartridges have been used they are practically destroyed and cannot be used again.

It is the object of my invention to provide a means for fixing the paper shell to the base, so that the paper portion can be continuously renewed and the more expensive metallic portion can be saved and used indefinitely.

As herein illustrated, A is the head of the metallic portion, having an interior socket screw-threaded, as shown at 2, and a hole 3 through the center.

4 is the interior metal portion, having a projection at the rear screw-threaded, so that it may be screwed into the part 2. The inner portion of the part 4 is concaved, as shown at 5, terminating in thin edges, the outer periphery being of a diameter equal to the interior diameter of the paper shell which is to be employed therewith. The inner end of the part 2 has an annular concaved channel made between its outer periphery and the inner screw-threaded socket, this annular concavity being shown at 6. The part 4 has a corresponding annular projection 7, which fits and coincides with the groove 6.

The paper shells 8 are cheaply made and are fitted to the head by first pushing the part 4 into one end of the shell, with the screw-threaded portion projecting. The corresponding end of the paper shell 8 is so disposed that when the part 4 is screwed into the part A the bottom or inner end of the shell is crimped and turned inwardly, following the curvature of the annular groove 6 in the head A, and the projecting rim or flange 7 locks it firmly in place, as is well shown at 9. The paper shell thus becomes practically a part of the metallic portion, to which it is firmly locked. The inner portion 4 is adapted to receive the primer, which fits into it and projects through the opening 3 in the outer head A, the primer being thus maintained in position to be struck by the firing-pin of the gun.

The cartridge which I have herein illustrated is intended to represent a shotgun-cartridge; but it will be manifest that cartridges may be made in this manner for any class of gun in which they are available, and as the base, which is the expensive portion, is practically indestructible it will be seen that the same base may be used with new paper shells for an indefinite time, thus greatly reducing the cost of reloading cartridges.

To prevent the parts of the base being accidentally separated, a locking-screw 11 may be inserted through the outer section, so as to engage a hole made in the inner section, this hole being so inclined or formed as to allow for some difference in the thickness of the paper and the alinement of the parts, as clearly shown in Fig. 2.

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

1. In a cartridge, a base composed of an outer and inner portion adapted to be screwed together, an annular channel and corresponding rim formed between the meeting surfaces of the base, and a paper or equivalent shell having the inner end removably clamped between said channel and rim.

2. A cartridge consisting of a head having a screw-threaded interior socket, an inner portion, the end of which is screw-threaded and adapted to interlock with said socket, the periphery of said inner portion being of a diameter to fit the interior of a paper or like shell,

said shell having its inner end clamped between the meeting ends of the outer and inner base portion and one of said meeting ends having a groove or channel and the other a corresponding rim.

3. In a cartridge, a head and an inner portion with interlocking threads by which they are clamped together, a paper cartridge having an exterior diameter corresponding with the exterior diameter of the head, and an inner diameter which fits the inwardly-projecting portion of the inner metal portion, and an annular groove or channel formed in the head and corresponding rim in the inner portion between which the inner end of the shell is crimped and clamped.

4. A cartridge-shell consisting of an outer head and inner metallic portion and a paper shell, means for locking the outer and inner metallic portions together, an annular groove and tongue formed on the meeting ends of the metallic portions whereby the inner end of a paper or like shell is clamped between the two metallic portions, a primer-seat formed in the inner metallic portion and a hole through the outer portion through which the primer is exposed to the firing-pin of the gun.

5. In a cartridge, a two-part base with means for removably securing them together, a paper or equivalent shell having one end crimped and clamped between the two, and a pin by which the two parts of the base are secured in their interlocked position, one of the parts of the base having a hole with an inclined wall engaged by said pin to allow for variations in the thickness of the shell and to insure the alinement of the parts.

In witness whereof I have hereunto set my hand.

HENRY A. TELLERSON.

Witnesses:
GEO. H. STRONG,
S. H. NOURSE.