

C. E. SNEIDER.

Improvement in Shot-Cartridges.

No. 131,189.

Patented Sep. 10, 1872.

Fig. 1.

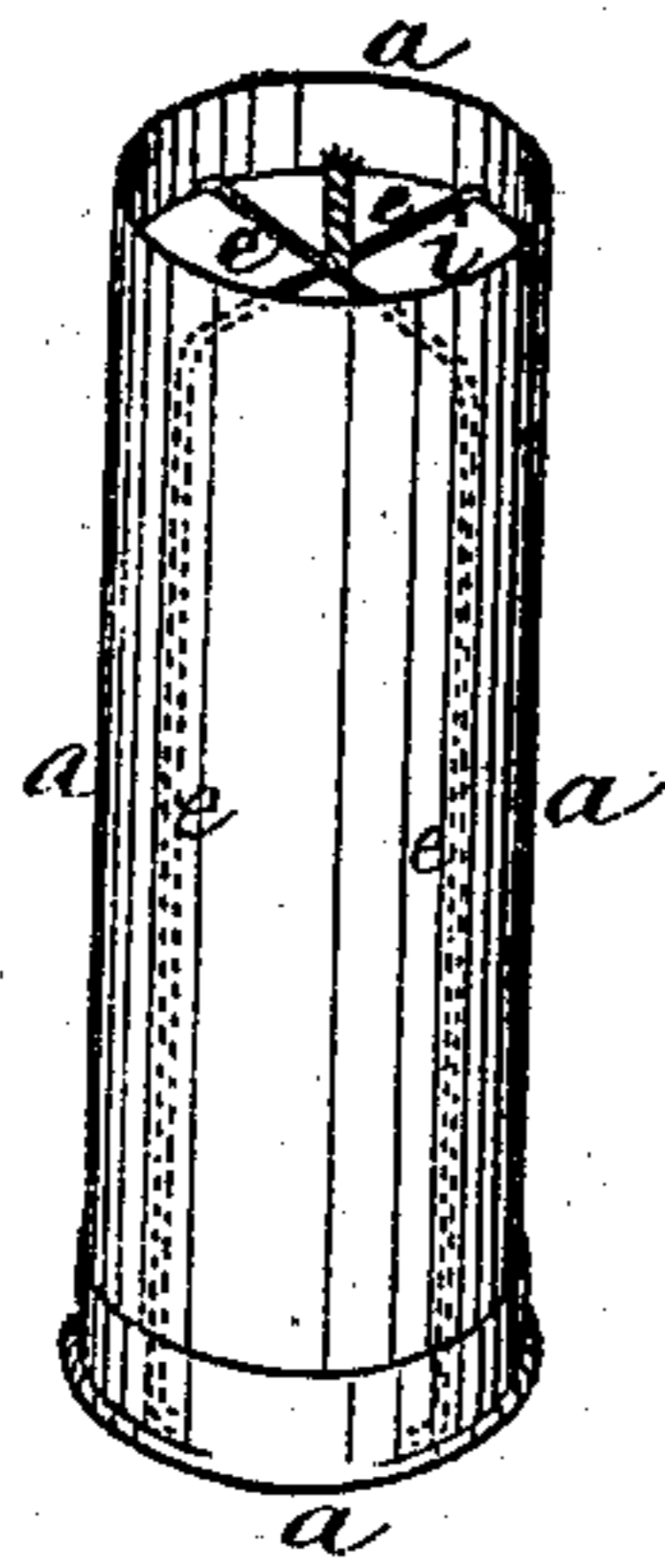
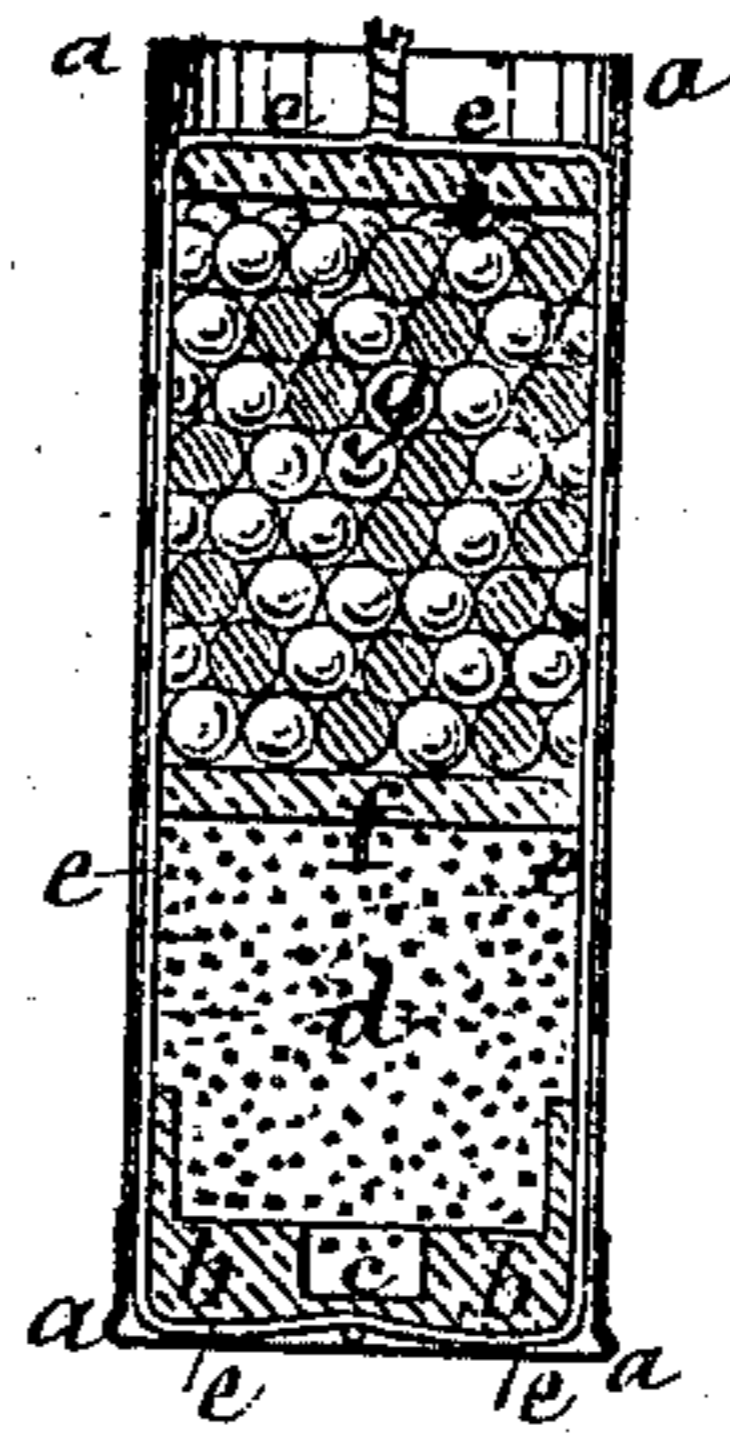


Fig. 2.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

CHARLES E. SNEIDER, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF  
AND DUNCAN C. CLARK, OF SAME PLACE.

## IMPROVEMENT IN SHOT-CARTRIDGES.

Specification forming part of Letters Patent No. 131,139, dated September 10, 1872.

To all whom it may concern:

Be it known that I, CHARLES E. SNEIDER, of Baltimore, in the county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Securing the Charge in Metallic Cartridge-Cases; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 represents in perspective a completed cartridge. Fig. 2 represents a vertical section through the same.

Shot-cartridges, by transportation, or the jars or concussions they are subjected to, are apt to become loose, which not only creates inconveniences but is wasteful and dangerous. Turning in the top of the cartridge-case and folding it down upon the top of the wad or charge will hold in the charge; but this involves two operations which are objectionable. First, the top of the case must be trimmed off, so as to have just enough and not too much material to admit of the turning and folding in of the edge; and the case, if reused, can only be done so with the same or a lesser charge, and not with a greater charge, which is at times desirable. Second, the trimming off of the excess beyond the inclosed charge gives the finished cartridge a constantly-varying length, so that it cannot always fill or occupy the same position in the chamber or bore of the gun.

By my invention I avoid all the objections to the old plans, and perfectly secure the charge in the case without trimming off any portion, and without changing its length, while I can reuse the cases and vary the charges in the cases at pleasure. My invention consists in the use of two or more wires or thin strips of metal, secured to the base of the shell or case, and extending up to or above the top of said case or the charge therein, so that when the top wad or its substitute is put in the ends of the wires or strips may be interlocked, and so securely hold the charge in the case.

To enable others skilled in the art to make

and use my invention I will proceed to describe the same with reference to the drawing.

*a* represents a metallic cartridge-case, in the bottom of which is fastened a cup or base, *b*, in a recess, *c*, of which, the cap or fulminate by which the cartridge is fired is placed. Underneath this base, or fastened to it, before it is secured in its position in the bottom of the case, are arranged the wires or strips *e e*, which extend upward in the case or beyond it a sufficient distance to interlock or fasten their upper ends over the charge or top wad after they are placed in the case.

In the drawing, *d* represents the powder; *f*, the powder-wad; *g*, the shot; and *i*, the shot-wad.

It will be perceived that the charge is fastened in the case without cutting off or disturbing the top portion of the case, so that in recharging the case the charge can be increased or diminished, while the case will always occupy the same position in the chamber or bore of the gun, which it would not do when trimmed off to be folded in over the charge.

The wires or strips may have one or two twists or interlockings, just sufficient to hold the charge in place, but to yield when the cartridge is fired, though they will break if they do not yield, without further injury or trouble than the mere replacing of them when the cartridge is recharged, while if they yield or untwist only the same ends may be reused.

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

In combination with a metallic cartridge-case, the wires or strips fastened therein, for the purpose of securing the charge in the case by twisting, interlocking, or fastening the ends of said wires or strips over the charge, substantially as described.

CHARLES E. SNEIDER.

Witnesses:

SAML. JARDEN,  
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