G. A. CAPEWELL.

Shot-Charger.

No. 162,349. Patented April 20, 1875.

Fig. 6.

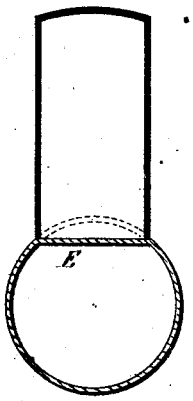


Fig. 1.

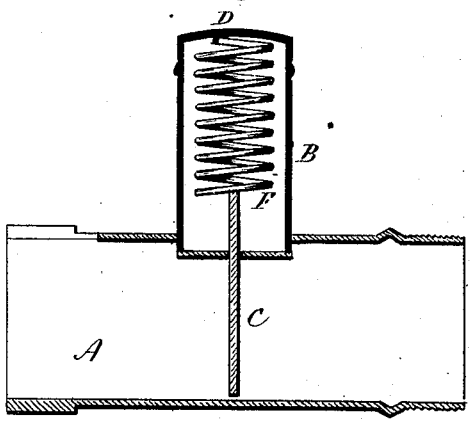


Fig. 5.

Fig. 2.

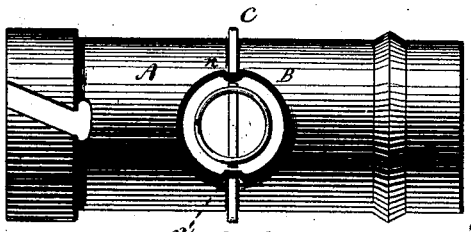


Fig. 7.

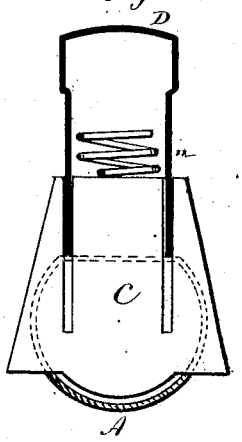


Fig. 3.

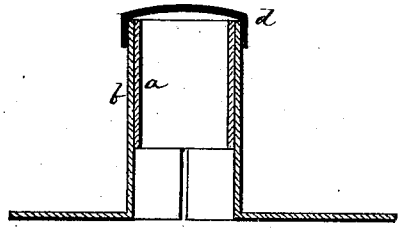
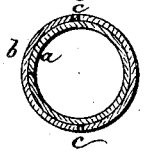


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE A. CAPEWELL, OF WOODBURY, CONNECTICUT.

IMPROVEMENT IN SHOT-CHARGERS.

Specification forming part of Letters Patent No. **162,349**, dated April 20, 1875; application filed March 19, 1875.

To all whom it may concern:

Be it known that I, GEORGE A. CAPEWELL, of Woodbury, in the county of Litchfield and State of Connecticut, have invented a new Shot-Charger; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figure 1, longitudinal central section; Fig. 2. sectional top view; Figs. 3 and 4, sections of the usual construction; Figs. 5, 6, and 7, detached views.

This invention relates to an improvement in the chargers attached to shot-pouches, and for similar uses, and particularly to that part in which the gate is supported.

In the usual construction of the cylinder which supports the gate there has been employed two cylinders, the one, *a*, within the other, *b*, as seen in Figs. 3 and 4, the outer cylinder constructed with two slots, *c*, in which the gate works; and the upper end of the cylinders, after the spring is inserted, is closed by a cap, *d*, as seen in Fig. 3. Thus this part is formed in three pieces, and this cylinder *b* has been fitted to the surface of the barrel, and soldered thereto.

The object of this invention is simplify the construction and attachment of this part of the charger.

The invention consists, first, in constructing the gate-cylinder with a vertical depression upon opposite sides, as a guide for the gate; second, in constructing the cylinder which supports the gate complete in a single piece of metal; and, third, in attaching the cylinder to the barrel by a depression in the surface of the barrel, into which the lower end of the cylinder fits.

A is the barrel, constructed for attachment to the pouch, and to receive the scoop in the usual manner. B is the cylinder, which supports the gate C, the said gate working through slots in the barrel in the usual manner. Upon opposite sides of the cylinder, and in line with the slot in the barrel, a groove, *n*, is formed by depressing the metal of the cylinder, as seen in Figs. 2 and 5. The gate C is slit to work in these depressions, as seen in Fig. 7, these depressions serving the same purpose as the slots *c*, in the usual construction, and dispense with the necessity of the internal cylinder *a*, of the usual construction. The cylinder B is constructed with its top D in one and the same piece, as seen in Fig. 1, by striking up the cylinder from a disk of metal, and thus dispensing with the third part or cap *d*, of the usual construction.

To attach the cylinder B to the barrel a depression, E, is made in the barrel, corresponding to the external circumference of the cylinder B, bringing the surface within that circumference down into a plane, and forming a recess in the surface of the barrel, into which the cylinder will set, the recess defining the proper position of the cylinder, and when so set the cylinder is secured by solder or otherwise.

The arrangement of the spring F within the cylinder, to actuate the gate, is substantially that of the usual construction.

I claim—

1. In a shot-charger, the gate-cylinder B, with the grooves *n* formed therein by depression, substantially as described.

2. The gate-cylinder B of the shot-charger, constructed complete from a single piece of metal, substantially as described.

3. In a shot-charger, substantially such as described, a depression, E, in the barrel, to receive and locate the gate-cylinder, substantially as set forth.

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