G. D., G. A., & J. T. CAPEWELL,

Shot Charger.

No. 113,139. Patented March 28, 1871.

FIG. 1

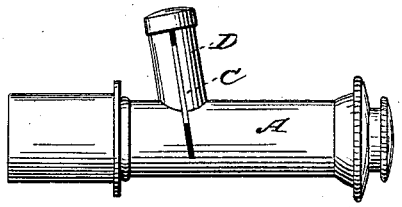


FIG. 2

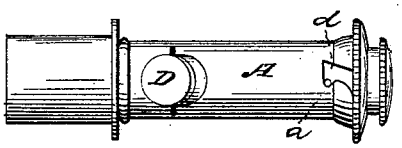


FIG. 3

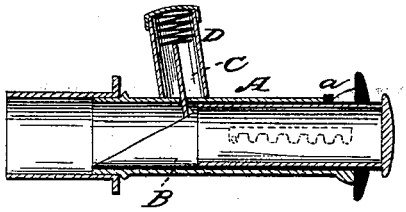
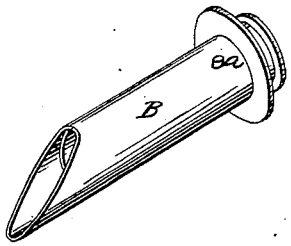


FIG. 4



WITNESSES:

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GEORGE D. CAPEWELL, GEORGE A. CAPEWELL, AND JOSEPH T. CAPEWELL, OF WOODBURY, CONNECTICUT, ASSIGNORS TO GEORGE D. AND GEORGE A. CAPEWELL.

Letters Patent No. 113,139, dated March 28, 1871.

IMPROVEMENT IN SHOT-CHARGERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

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

Figure 1, a side view;

Figure 2, a top view;

Figure 3, a longitudinal central section; and in

Figure 4, a detached perspective view of the charger.

This invention relates to an improvement in the construction of the charger of shot-pouches, the object being to avoid the use of the steel latch heretofore employed in this class of chargers; and

The invention consists—

First, in providing the charger with a stud and the cylinder with a corresponding notch, combined with the gate, so that the said stud or projection on the charger is held in position by the pressure of the gate upon the inclined portion of the charger.

Second, in the arrangement of the gate in a position inclined to the cylinder, so that it works obliquely across the cylinder.

A is the cylinder, attached to the pouch in the usual manner.

B, the charger, of common construction, made to fit into the cylinder in similar manner as in the common construction.

The charger is provided with a projection or stud, *a*, which, when inserted into the cylinder, passes into a recess, *d*, (see fig. 2,) in the cylinder into a notch formed in the said recess, to prevent its being drawn directly out from the cylinder.

The end of the charger is inclined in the usual manner, and when pressed into the cylinder raises the gate, and the pressure of the gate upon the inclined end of the charger causes the gate to hold the charger in a certain defined position.

The notch in the recess *d* is made relatively to the position in which the gate naturally holds the charger, so that the stud *a* passes into this notch, and is there held by the pressure of the gate until the charger can be turned to remove the stud from the notch, which is done when the person using it desires a charge of shot, by taking hold of the head of the charger and turning the charger until the stud passes beyond the control of the said notch; then the charger is withdrawn in the usual manner, and when returned the stud strikes the inclined side of the recess, and, passing down the incline, flies into the notch and is latched into position.

The form of the groove and notch may be varied, it only being essential that the relative position of these to the gate and incline be such as described.

Heretofore the gate has been arranged to work transversely across the cylinder in a right angle. In this construction the shot frequently clog at the gate and prevent the charger filling.

To overcome this difficulty we arrange the gate C in an inclined position to the cylinder, as seen in figs. 1 and 3, cutting the channel into the cylinder in a correspondingly-inclined position, and also setting the barrel D, in which the spring is arranged, at a similar inclination.

As the gate in this construction moves diagonally through the mass of shot, it prevents the shot from packing or forming a bearing of themselves within the cylinder, as is the case when the gate lies at right angles across the cylinder.

We claim as our invention—

1. The shot-charger B, provided with a stud or projection, *a*, combined with a cylinder, A, and gate or cut-off, when the said cylinder is constructed with a recess and notch, *d*, corresponding with the stud *a*, arranged relatively to the gate and inclined end of the charger, as and for the purpose described.

1. In combination with the cylinder A and charger B of a shot-pouch, the gate C, arranged to operate diagonally across the said cylinder, substantially as and for the purpose set forth.

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Witnesses:

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