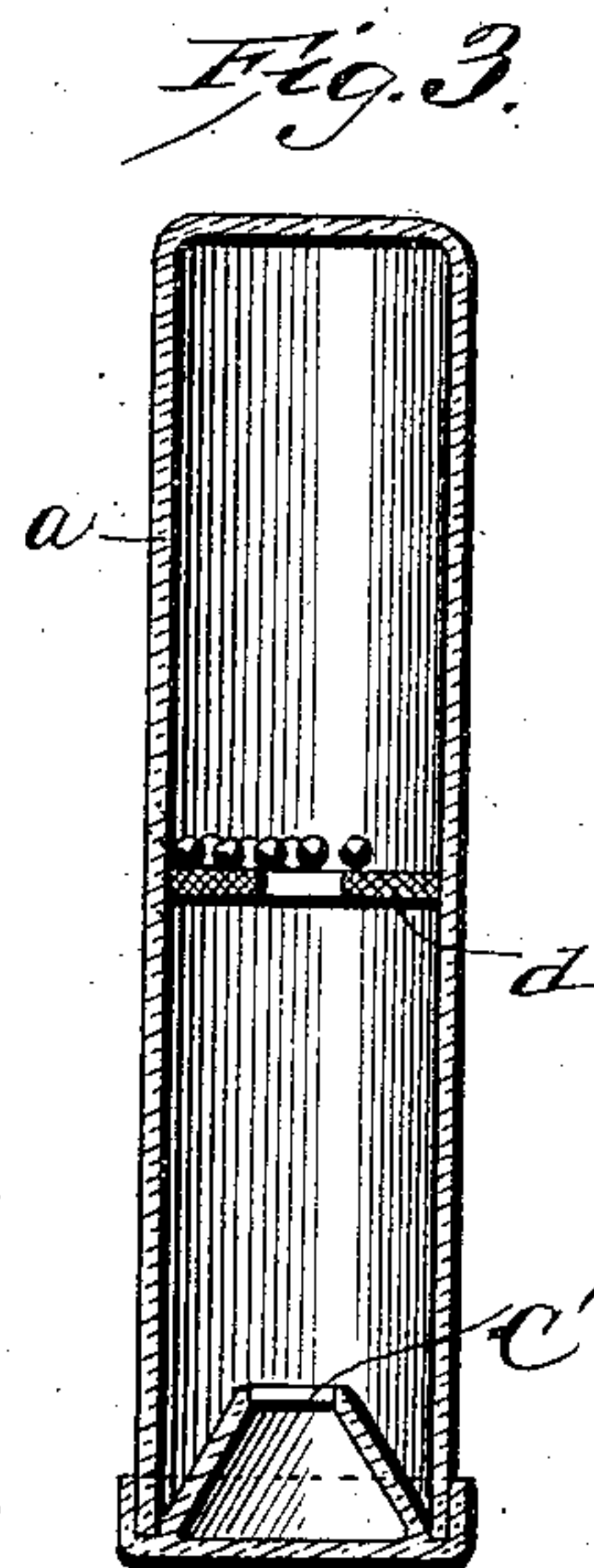
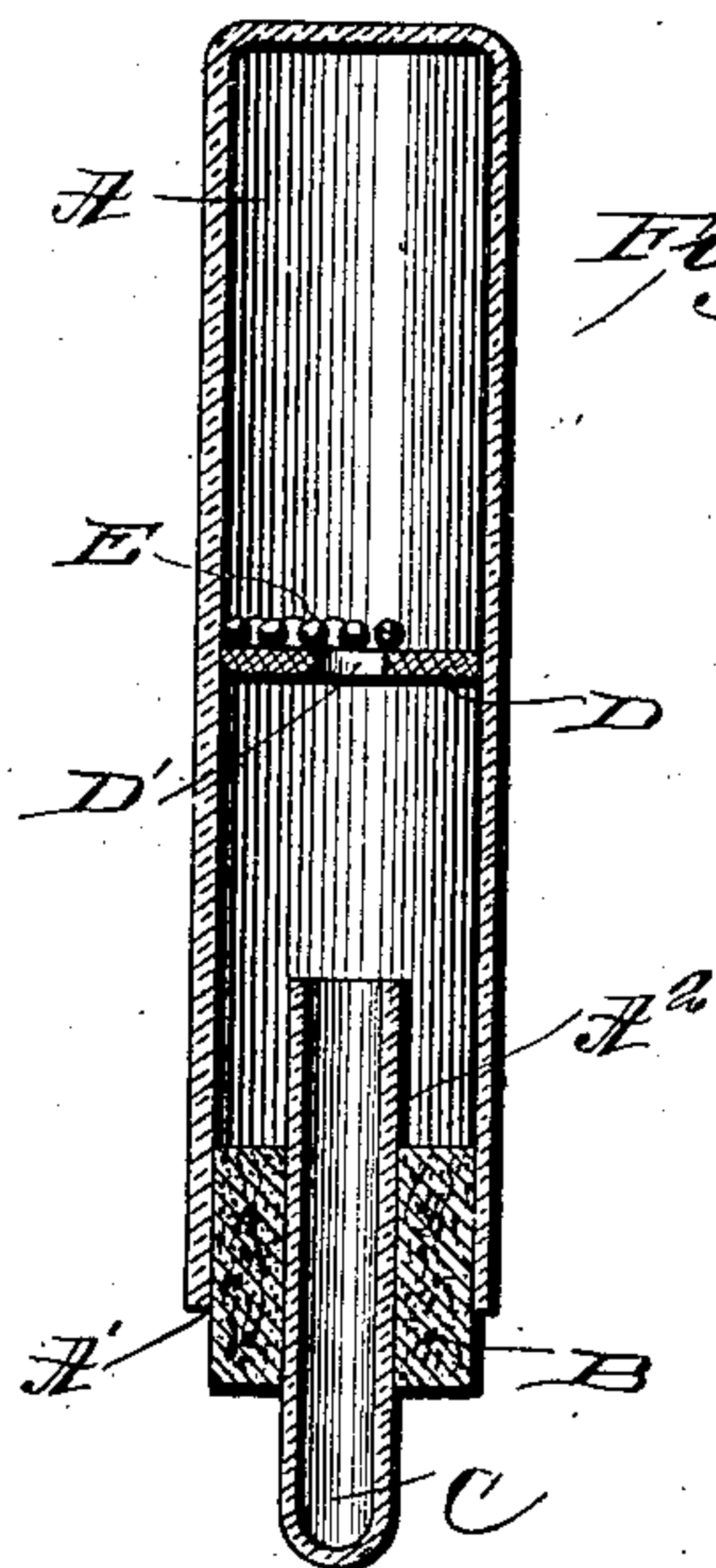
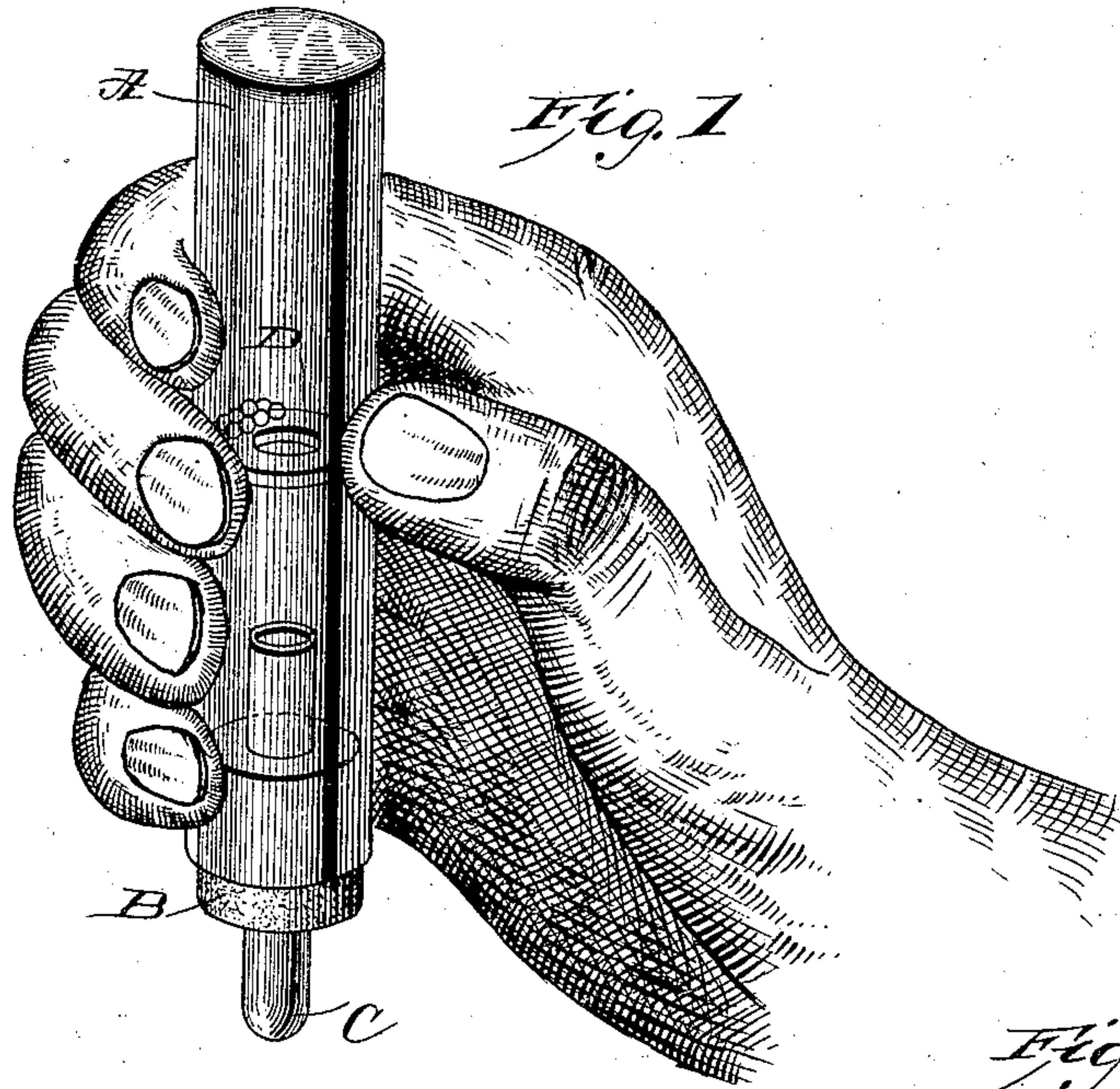


No. 876,820.

PATENTED JAN. 14, 1908.

W. H. MALTBIE.
PUZZLE.

APPLICATION FILED DEC. 27, 1906.



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WILLIAM H. MALTBIE, OF BALTIMORE, MARYLAND.

PUZZLE.

No. 876,820.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed December 27, 1906. Serial No. 349,655.

To all whom it may concern:

Be it known that I, WILLIAM H. MALTBIE, a citizen of the United States, and a resident of Baltimore, Maryland, have invented certain new and useful Improvements in Puzzles, of which the following is a specification.

My invention is an improvement in puzzles; and consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

By my invention I seek to provide in connection with a transpicious body, an apertured diaphragm within the same together with a pound below the diaphragm and in alinement with the opening therein, said pound being adapted for the reception of movable devices discharged from above the diaphragm through the opening therein, and the puzzle consisting in securing the deposit of such devices in the pound when discharged through the opening or aperture in the diaphragm.

In the drawings Figure 1 is a perspective view of the puzzle as in use. Fig. 2 is a vertical longitudinal section thereof, and Fig. 3 is a sectional view showing a somewhat different construction from that shown in Figs. 1 and 2.

In the embodiment of the invention illustrated in Figs. 1 and 2, the body A is in the form of a glass tube preferably round in cross-section, and open at its lower end A' and receiving at such end a stopper B, which may be of cork and has projecting centrally through it a tube C, preferably of glass and projecting at its lower end below the stopper B and extending at its upper end above the stopper and open at such upper end within the body A and in alinement below the opening D' in an apertured disk D. This disk may be of any suitable material, preferably such as will bind by frictional contact within the body A so it may be self-retaining in any position to which it is adjusted up or down within the body A, so it may be set to different distances from the pound C to increase or decrease the difficulty of directing the devices E discharged through the aperture D' into the pound C, this difficulty being increased as the diaphragm D is moved away from the pound, as will be readily understood. This same variation of difficulty may be effected in a somewhat lesser degree by adjusting the pound tube C longitudinally within the stopper B, the latter being preferably of cork so the pound C may be

frictionally secured in any desired adjustment therein, but by extending the tube C below the stopper B, I secure a useful result in that thereby the shot E deposited in the said tube C may be seen below the stopper B and by extending the tube C above the stopper I form surrounding the upper end of said tube a pocket or chamber A² in which the shot E, which miss the pound, in the use of the puzzle will be accumulated.

Manifestly, instead of using a stopper B, and tube C, as shown in Fig. 2, the invention might be practiced by the construction shown in Fig. 3, which includes a body a, a diaphragm d which may be similar to corresponding parts in Figs. 1 and 2, and a pound C' is secured by the construction shown in said Fig. 3. Manifestly such construction might be employed without departing from the principles of my invention.

While ordinarily the invention will be embodied in a body A of glass, manifestly other forms of transpicious bodies, such for instance, as wire gauze might be employed without departing from some of the broad principles of my invention.

When using the puzzle the shot after being dropped through the opening in the diaphragm may be readily adjusted by reversing the body end to end for another trial.

Manifestly, the entire puzzle may be made of glass and in one piece if desired.

What I claim is—

1. A puzzle comprising a tubular transpicious body open at one end, a diaphragm within said body and having an opening for discharge through it of movable devices, a stopper in the open end of the body and a tube extending through said stopper and projecting at its outer end beyond the same and closed at said outer end and extending at its inner end beyond the inner end of the stopper and open at such inner end forming a pound in alinement with the opening in the diaphragm for the reception of movable devices discharged through said opening, substantially as set forth.

2. A puzzle comprising a transpicious body, a diaphragm within the same and having an opening and a pound below the diaphragm and in alinement with the opening therein for the reception of movable devices discharged through the opening in the diaphragm, the upper end of the pound being sufficiently below the diaphragm to permit the movable devices discharged through the

opening in the diaphragm to pass outside the upper end of the pound, substantially as set forth.

3. A puzzle having a transpicious body,
5 an apertured diaphragm within the same and a pound below the diaphragm and in alignment with the aperture therein and spaced from the diaphragm and from the walls of the body to form a pocket or chamber below
10 the top of said pound for the reception of movable devices which may escape the pound, substantially as set forth.

4. A puzzle comprising a tubular body having an apertured diaphragm, a stopper in
15 one end of the body and a tube within the stopper and open at its inner end in position to receive movable devices discharged through the aperture in the diaphragm, substantially as set forth.

20 5. A puzzle comprising a body open at one end and having an apertured diaphragm, a stopper in the open end of the body, and a pound carried by said stopper in position to receive devices discharged through the opening in the diaphragm.
25

6. A puzzle comprising a body having a chamber or receptacle, an opening leading therefrom, and a second chamber or receptacle, and a pound in the latter in position to
30 receive movable devices discharged through

the opening from the first receptacle and forming with the walls of the body, a pocket or chamber below the mouth of the said pound for the reception of movable devices which may miss the pound, substantially as
35 set forth.

7. A puzzle comprising a tubular transpicious body having an upper chamber, and a lower chamber with an opening establishing communication between the same and provided in the lower chamber with an upwardly
40 projecting tube spaced from the diaphragm and forming a pound for the reception of movable devices discharged through said communicating opening and forming with
45 the walls of the body, a pocket or chamber surrounding said upwardly projecting tube for the reception of such devices as may miss the pound, substantially as set forth.

8. A puzzle comprising a body and a pound
50 in the form of a tube extending at one end within the body and projecting at its outer or closed end beyond the body whereby to expose in such outer end movable devices which may be deposited therein, substantially
55 as set forth.

WILLIAM H. MALTBIE.

Witnesses:

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