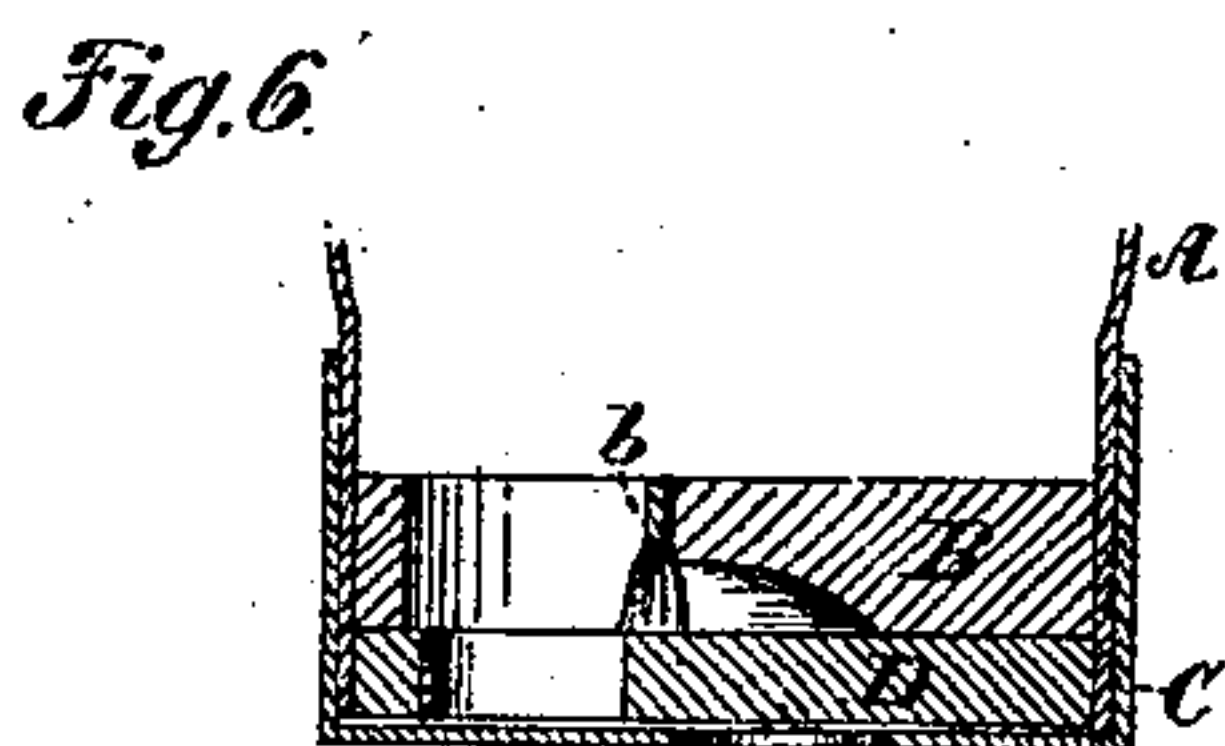
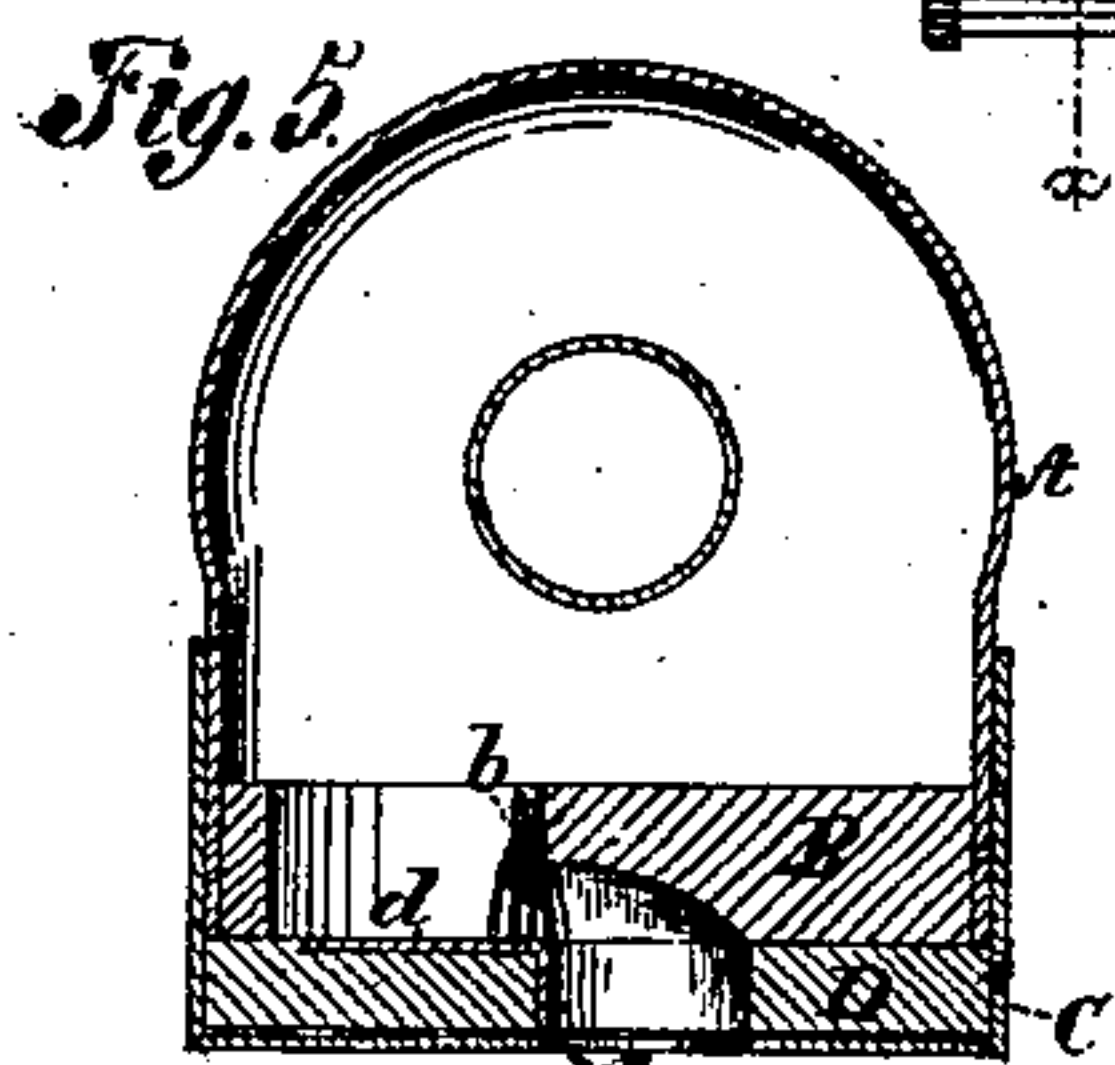
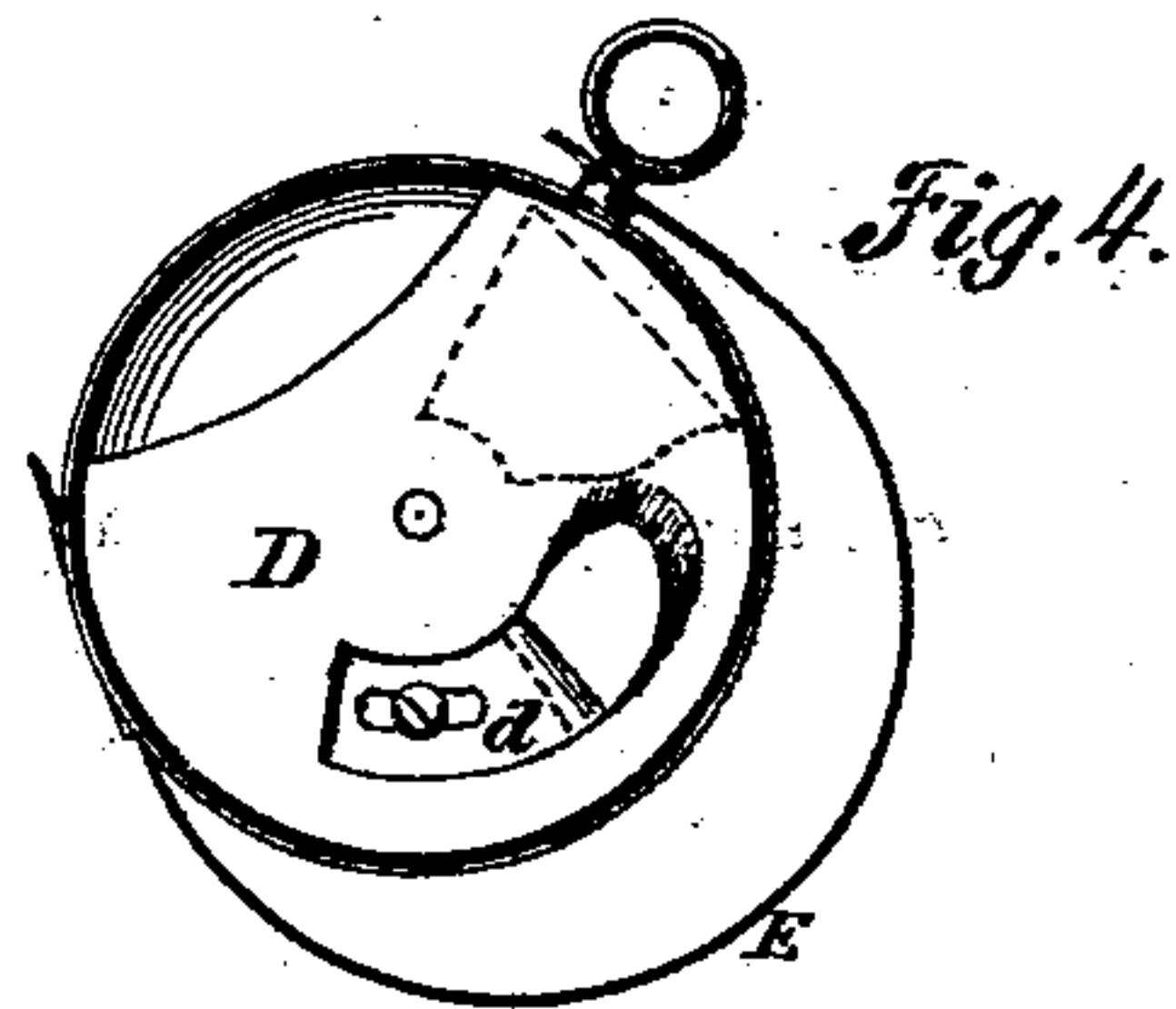
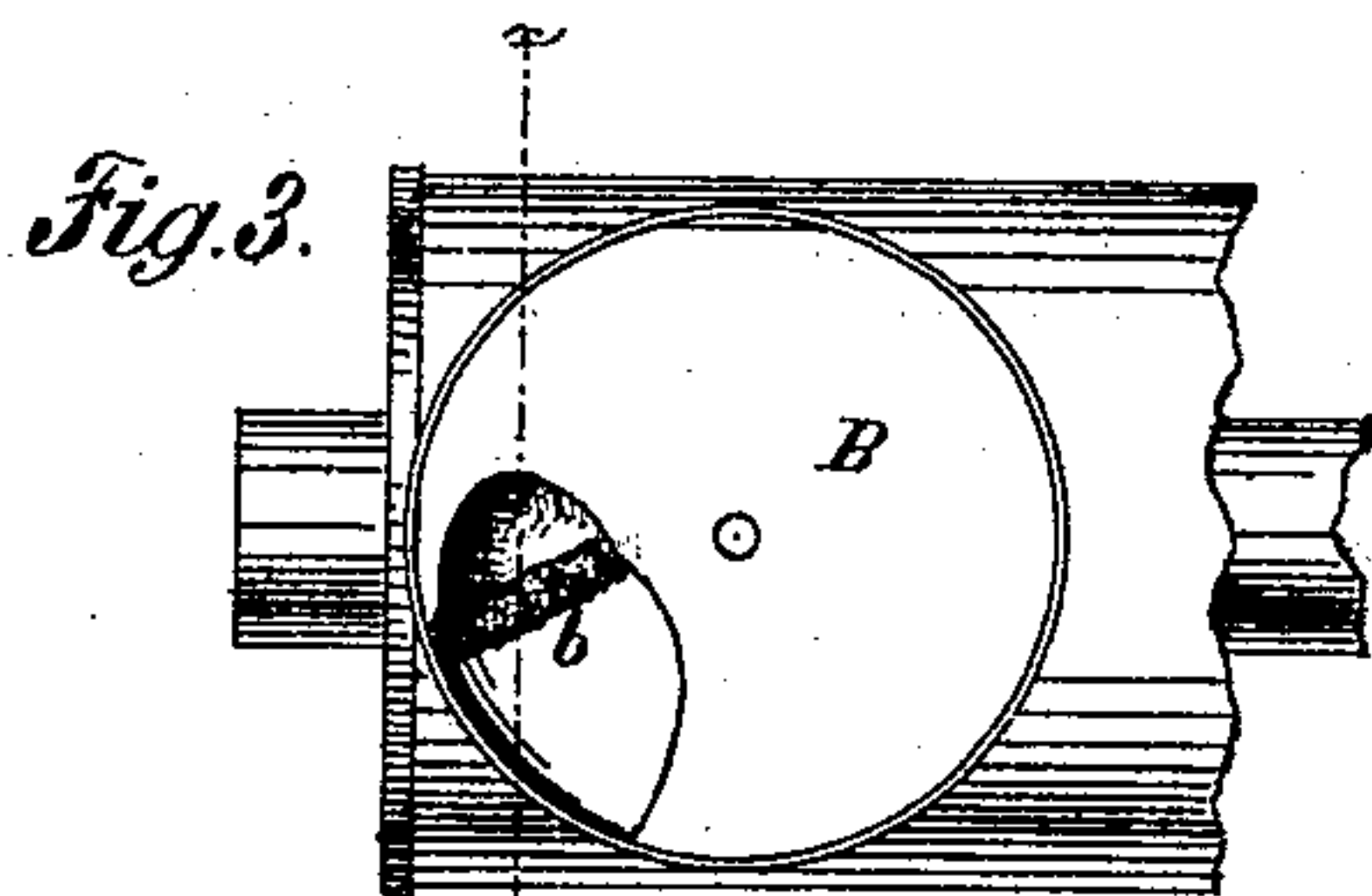
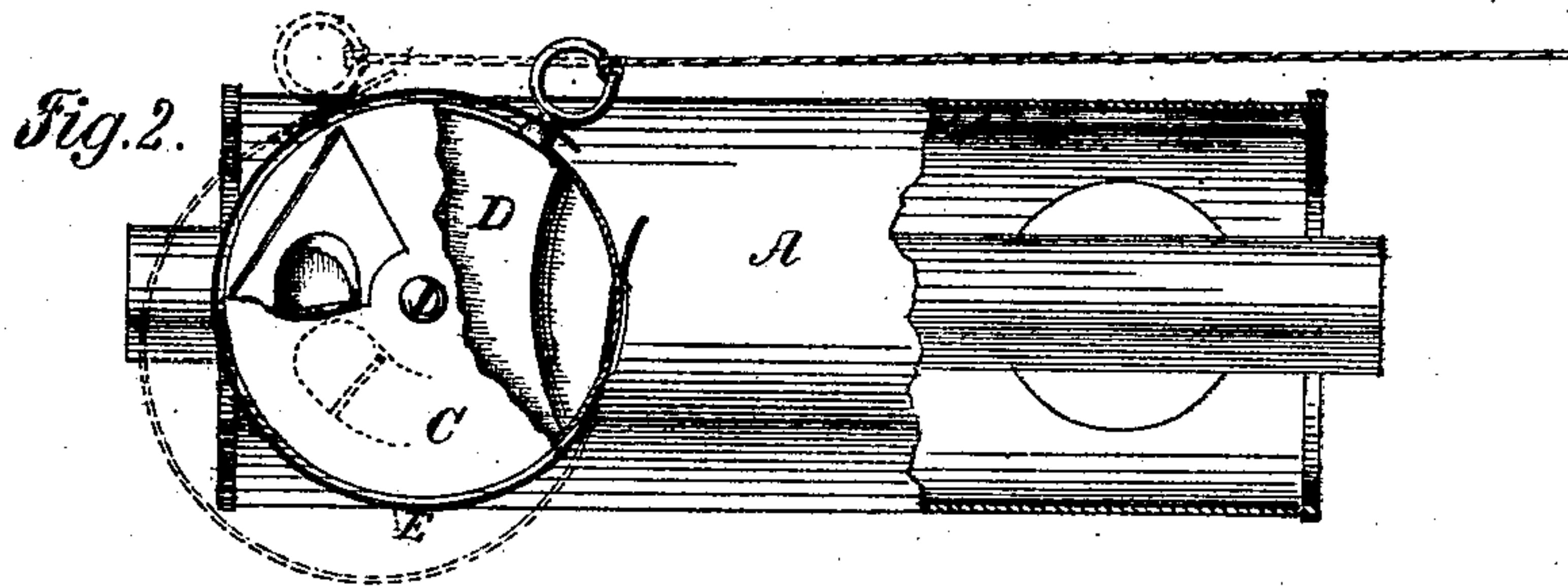
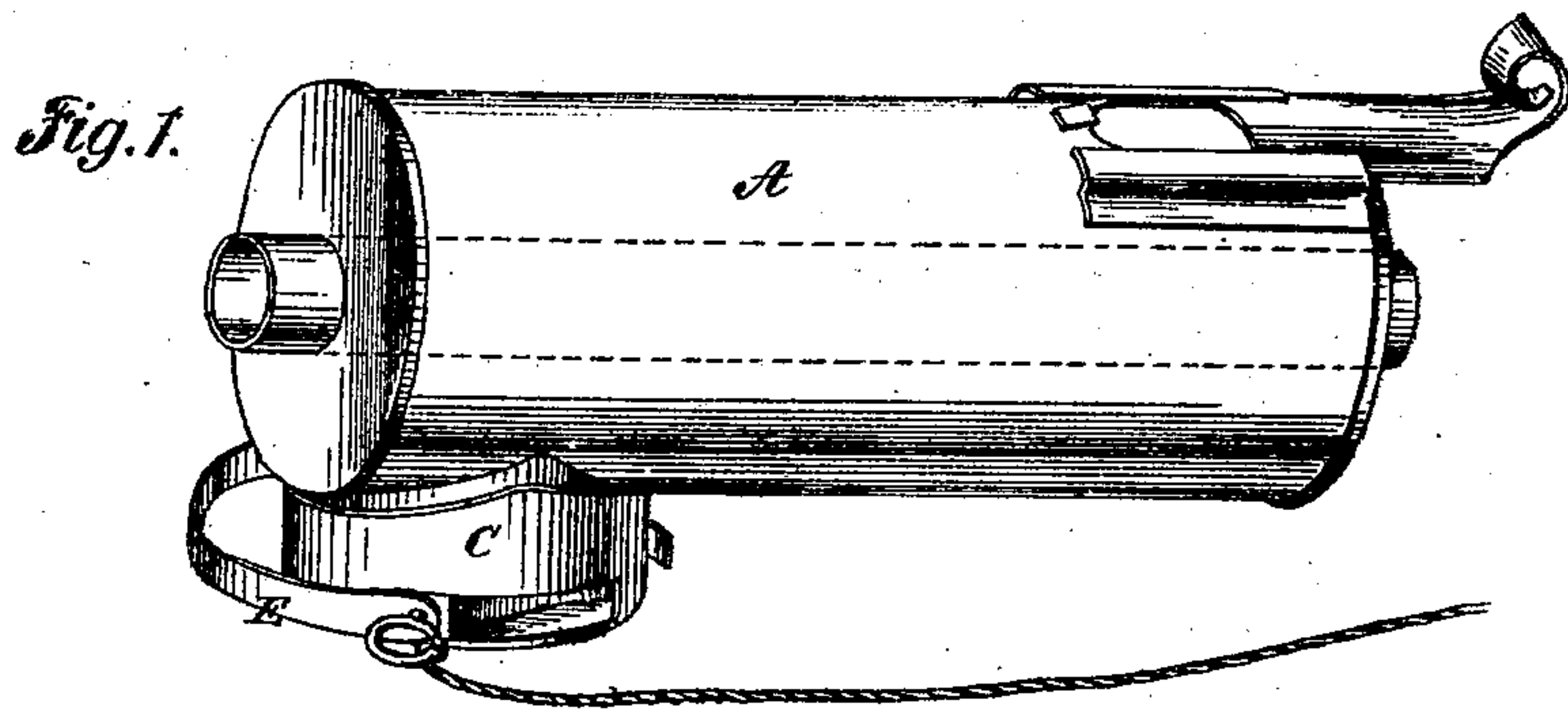


H. G. Porter,

Corn Planter.

No. 109,936.

Patented Dec. 6. 1870.



Witnesses:
Fred. Arto's.
J. H. Rhodone Lamy.

Inventor:
H. G. Porter
per Edmund Smith
Attorney

United States Patent Office.

HENRY G. PORTER, OF HOPKINTON, IOWA.

Letters Patent No. 109,936, dated December 6, 1870.

IMPROVEMENT IN CORN-PLANTERS.

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

To all whom it may concern:

Be it known that I, HENRY G. PORTER, of Hopkinton, in the county of Delaware and State of Iowa, have invented a new and improved Corn-Planter; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing.

Figure 1 is a perspective view of my improved corn-planter.

Figure 2 is a bottom view of fig. 1, partly in section.

Figure 3 shows the discharge-aperture, the cap being removed.

Figure 4 is an inside view of the cap.

Figures 5 and 6 are transverse vertical sections, taken on the line *x x* of fig. 2, the first showing the discharge-aperture open, and the latter closed.

Similar letters of reference refer to identical parts in each of the figures.

To enable others skilled in the art to which my invention relates to make and use the same, I will proceed to describe the construction and operation.

In the annexed drawing forming a part of this specification—

A represents a cylinder, within which the seed is to be deposited which it is desired to have sown.

It has a tube running through its center for the reception of the hoe-handle.

At the lower under side of the seed-cylinder there is inserted a bung, B, having an opening in it, which has arranged upon one side a brush, *b*, as shown in fig. 3.

Over these parts the cap C is placed, which has an opening in its face, as shown in fig. 2, and by dotted lines in fig. 4.

Within this cap rotates the slide D, having an aperture which can be increased or diminished, so as to hold more or less seed, by means of the guide *d*, which has a slot in it and is secured to the slide, as shown in fig. 4.

The slide has a hook or eyelet, which projects

through a slot in the cap C, to the shank of which one end of spring E is secured, the other end being fastened on the reverse side of the cap.

The action of this spring upon the seed-slide D is such as to hold it closed, as indicated by dotted lines in fig. 2.

The dotted lines upon the face of the cap C indicate the position of the aperture in the slide D where the same is closed.

The brush *b* is to act as a scraper to the aperture in the slide D, as also to provide a pliable surface to prevent the corn from getting between parts B and D, thus clogging and preventing free action.

The operation may be stated as follows:

The parts being in position, as shown in figs. 1 and 6, seed will fall and fill the apertures in the part B and the seed-slide D, the slide is then drawn into position, as shown in figs. 2 and 5, the aperture being thus brought immediately over the opening in the face of the cap C, and the seed falls to the ground.

The draft upon the slide is then slackened, when the action of the spring E brings the parts to their normal position.

Its simplicity, durability, and certainty of performing the purpose for which it is designed must commend it to those interested in the branch of industry to which it relates.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The arrangement of the cylinder A, bung B, brush *b*, cap C, slide D, guide *d*, and spring E, substantially as shown and specified, and for the purpose set forth.

In testimony whereof, I have signed my name to this specification in the presence of two attesting witnesses, this 1st day of August 1870.

HENRY G. PORTER.

Witnesses:

S. R. SALISBURY,
P. H. WARNER.