

No. 702,615.

Patented June 17, 1902.

G. F. BARDEN.
PUZZLE.

(Application filed Jan. 31, 1902.)

(No Model.)

Fig:1.

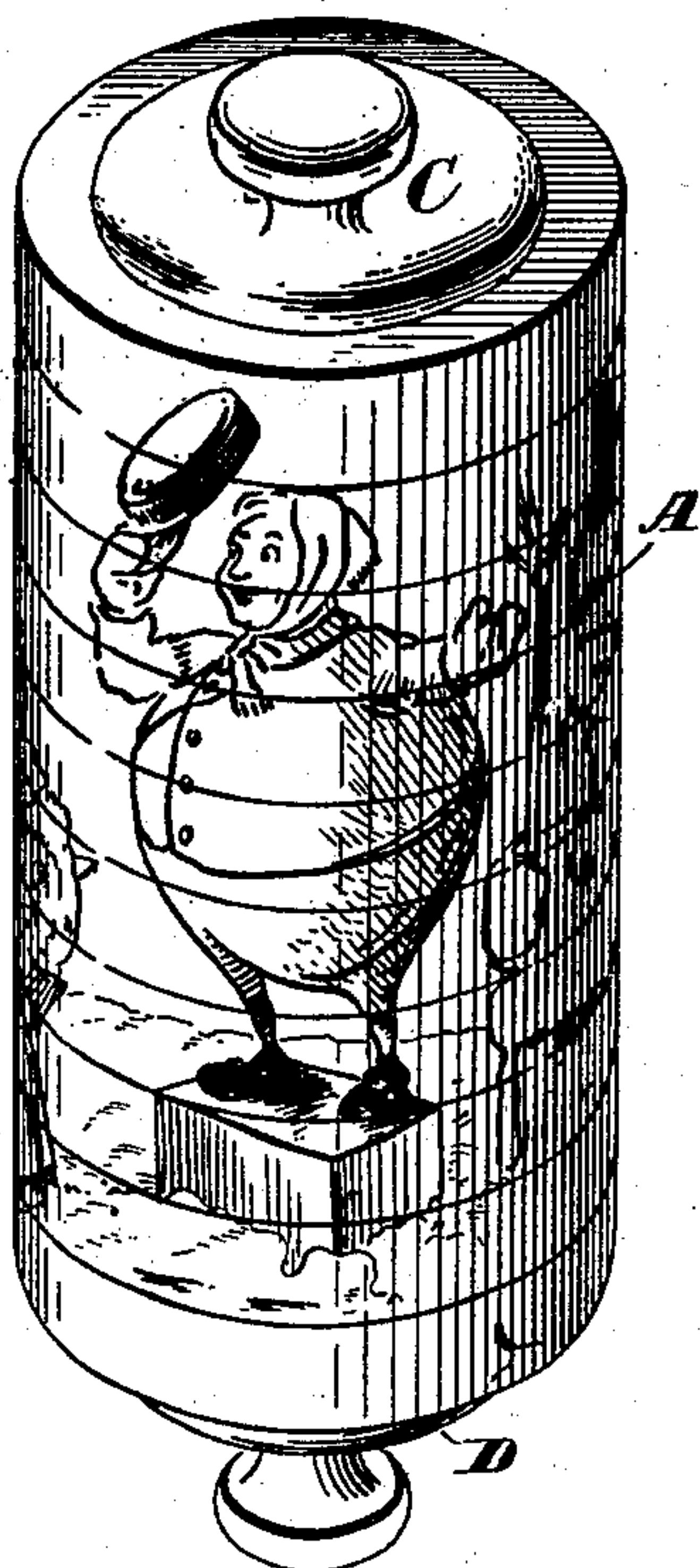


Fig:2.

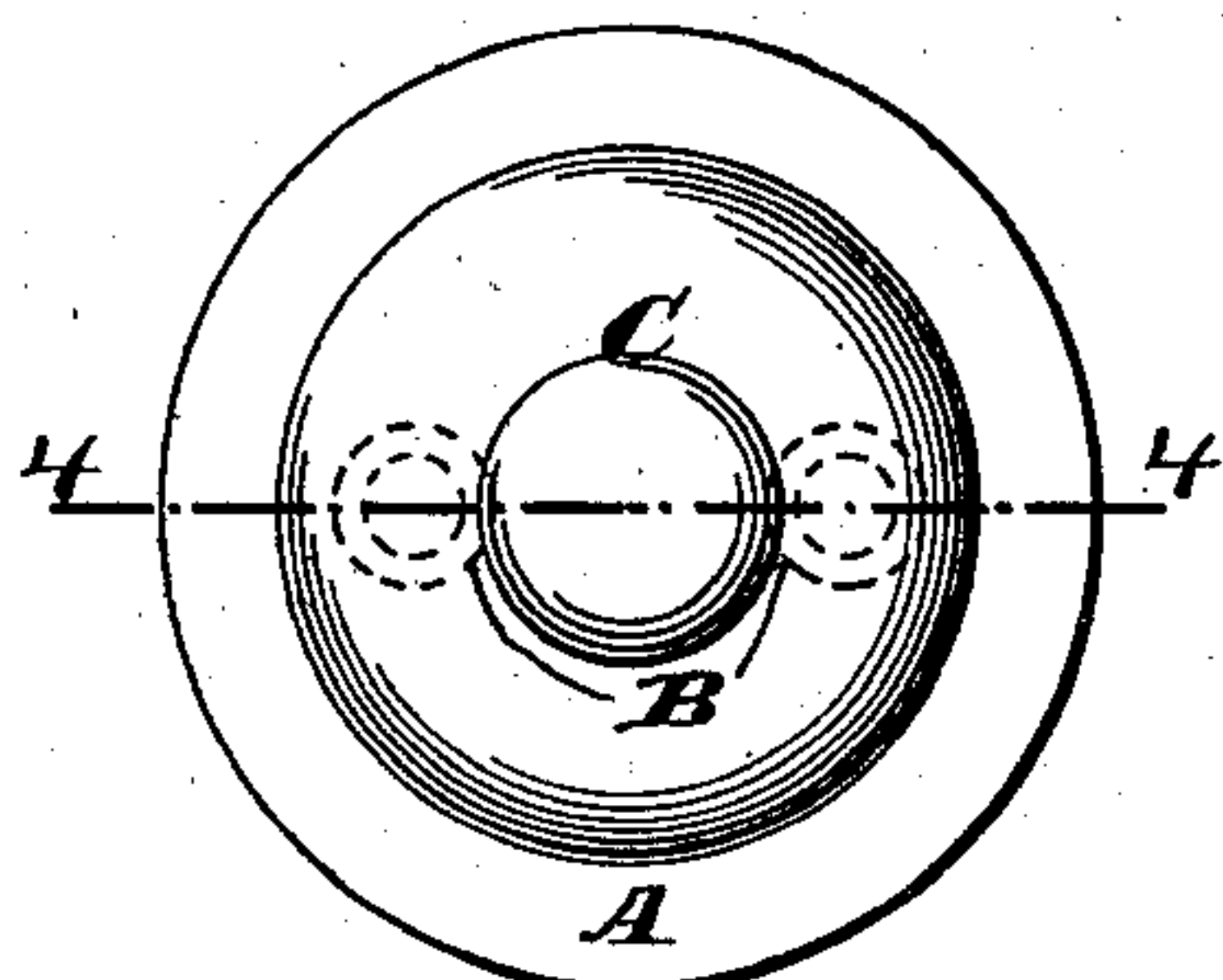


Fig:3.

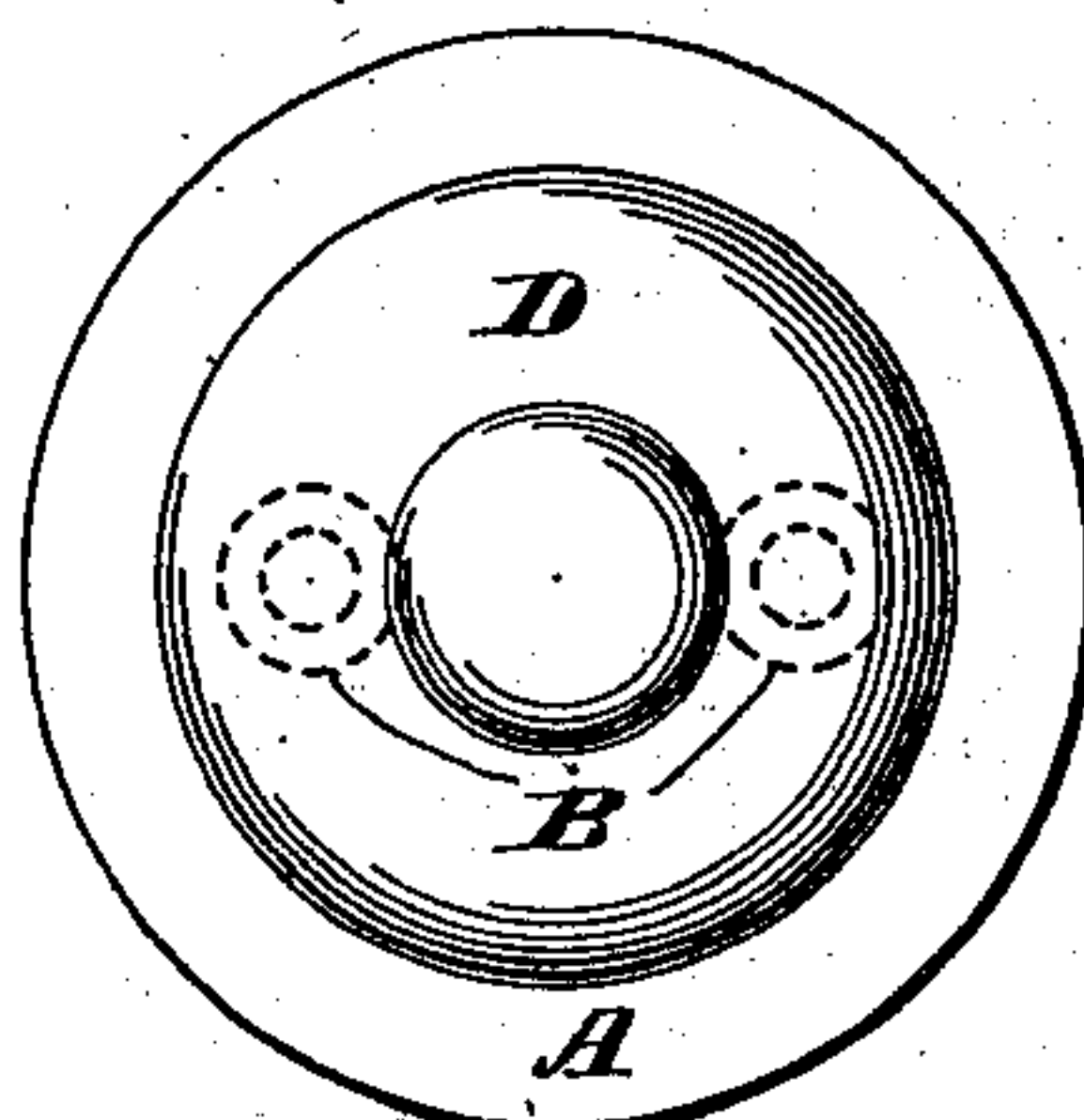


Fig:4.

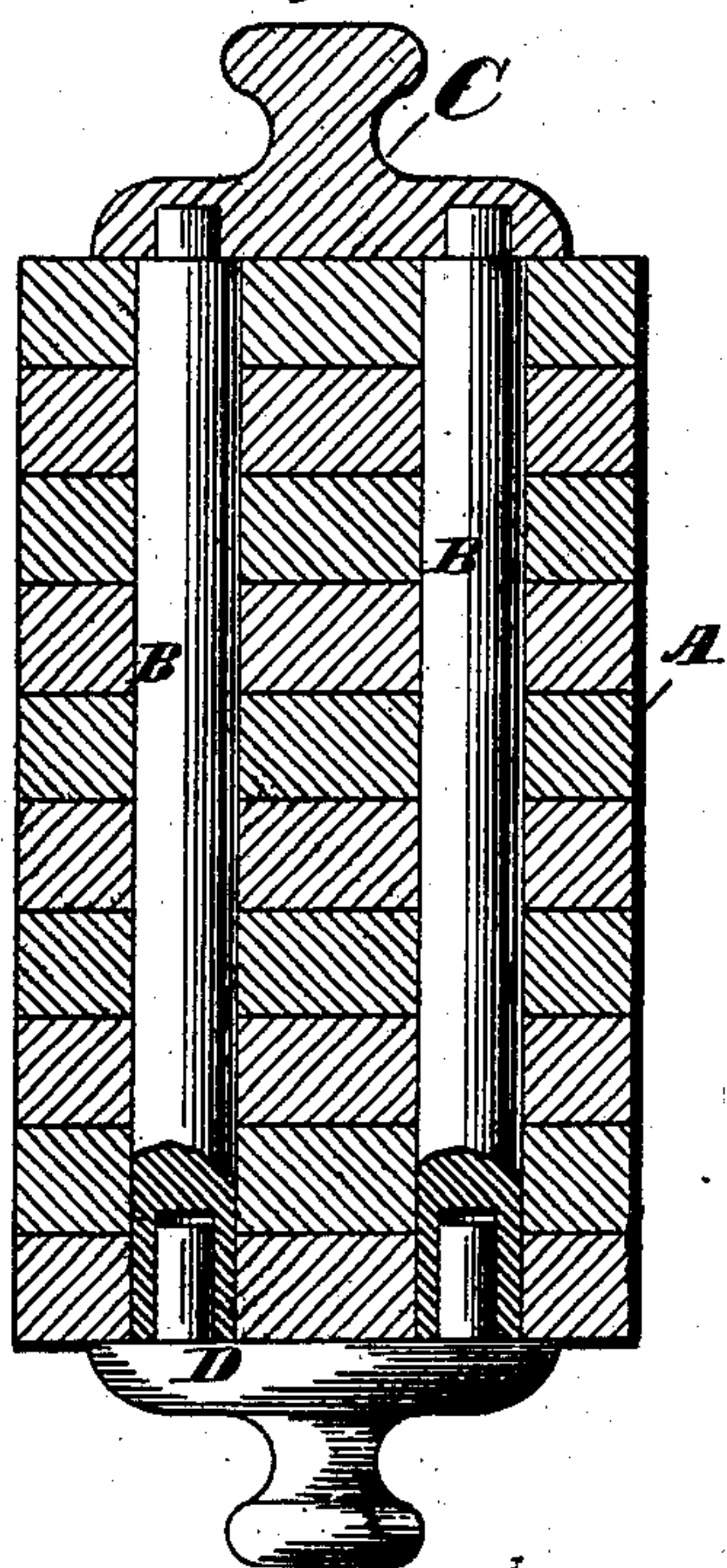


Fig:5.

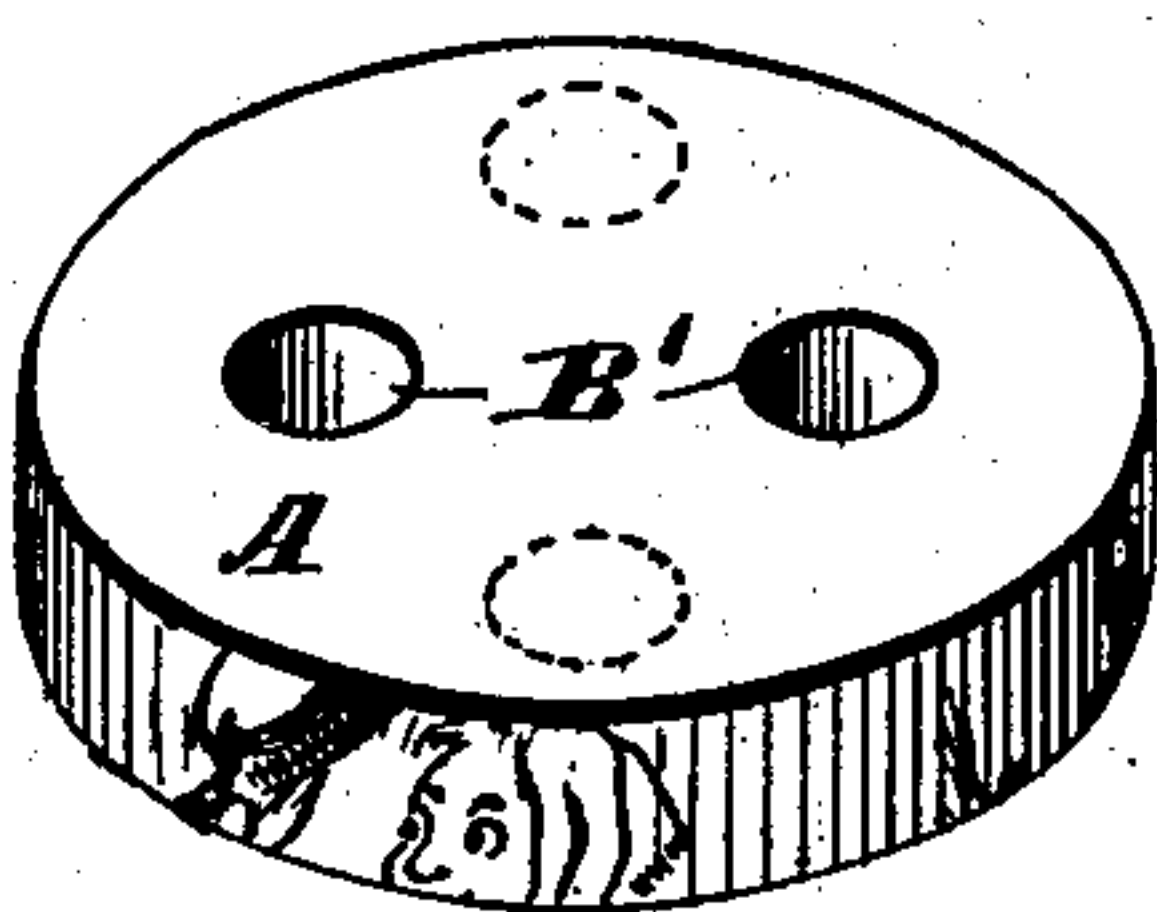


Fig:7.

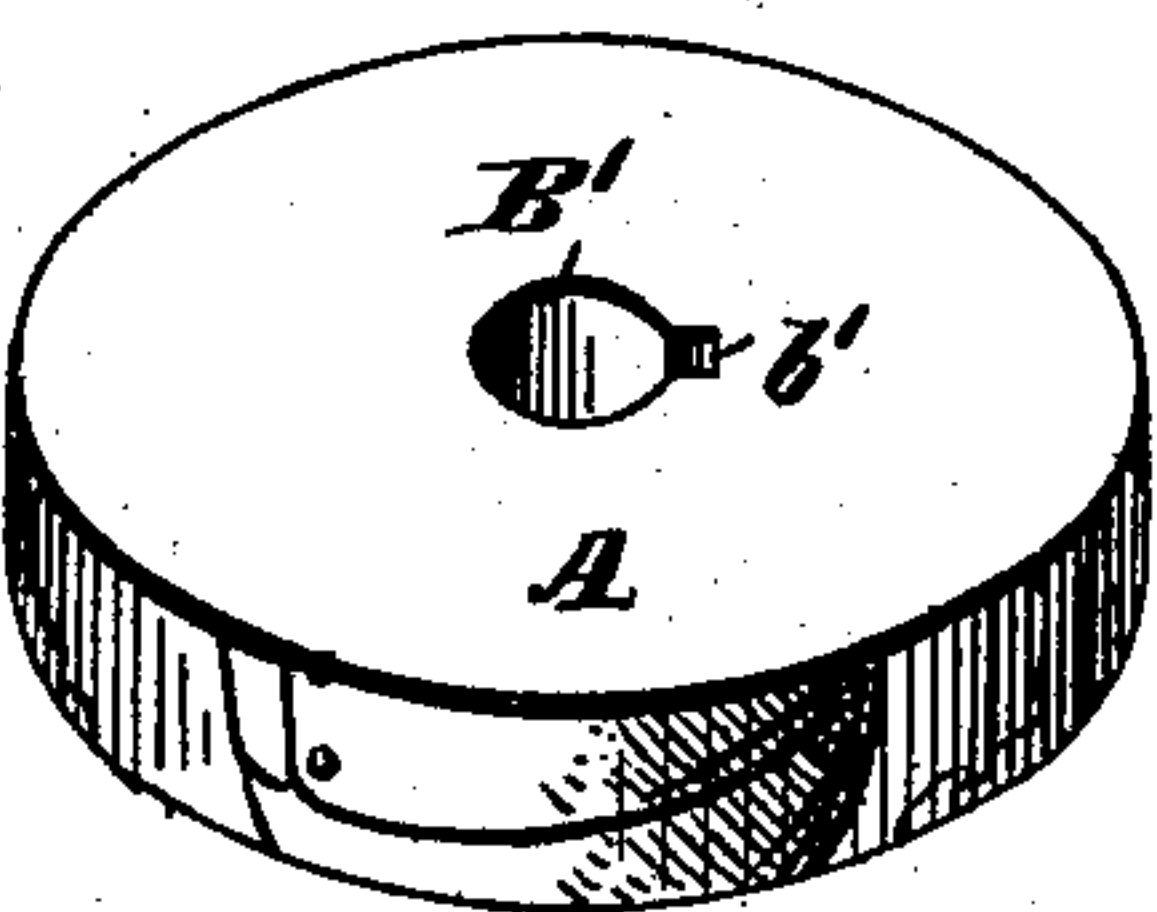
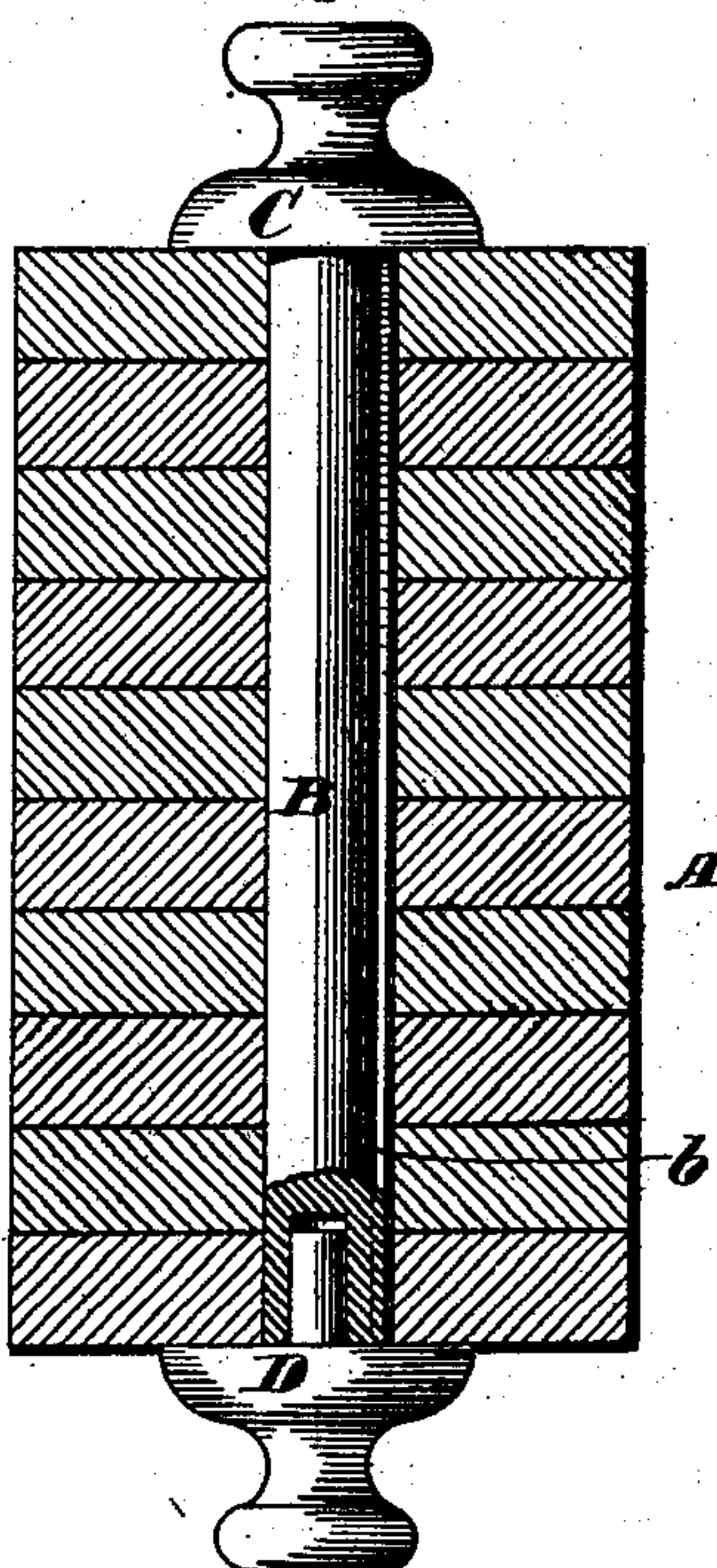


Fig:6.



Witnesses:
John Borah
O. A. Kehoe

Inventor:
George F. Barden
By *Philip James Rice & Kennedy*
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE F. BARDEN, OF SPRINGFIELD, MASSACHUSETTS.

PUZZLE.

SPECIFICATION forming part of Letters Patent No. 702,615, dated June 17, 1902.

Application filed January 31, 1902. Serial No. 91,961. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. BARDEN, a citizen of the United States, residing at Springfield, county of Hampden, and State of Massachusetts, have invented certain new and useful Improvements in Puzzles, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 This invention relates to improvements in picture or like puzzles in which a picture, map, diagram, or other matter is divided up into sections mounted on blocks or the like, the picture or the like being completed when
15 the several blocks are brought together in a certain order and in a certain alinement.

It is the object of the present invention to provide a puzzle of this character of simple and inexpensive construction and one in
20 which the difficulty of bringing together the different blocks of the puzzle in proper order to complete the picture or the like will be sufficient to render the puzzle interesting without being laborious or tiresome.

25 As a full understanding of the invention can best be had from a detailed description of an organization embodying the same, such description will now be given in connection with the accompanying drawings, in which—

30 Figure 1 is a perspective view of a structure embodying the present invention. Fig. 2 is a top plan view of the same, illustrating the preferred means of supporting the several blocks of the puzzle. Fig. 3 is a bottom plan
35 view of the same. Fig. 4 is a vertical section on the line 4 of Fig. 2. Fig. 5 is a perspective view of one of the blocks, this view illustrating also in dotted lines a modification, which will be hereinafter referred to. Fig. 6 is a
40 view similar to Fig. 5, illustrating another modification, which will be hereinafter described; and Fig. 7 is a perspective view of one of the blocks of Fig. 6.

Referring to Figs. 1 to 5 of the drawings, A
45 represents a series of blocks, which may be of any desired thickness and number and which may also be of the disk or circular form shown or of angular or other cross-section. Each of these blocks A is provided on its edge with a
50 portion or section of a picture, which picture is completed, as shown, when the several blocks are superposed in proper order and

alinement and is incomplete in any other order of said blocks or when said blocks are out of alinement. In place of a picture any other
55 subject may be divided up on the several blocks—as, for example, a map, diagram, &c. The blocks A are adapted to be strung upon a support, which in the preferred embodiment of the present invention illustrated in
60 Figs. 1 to 5 consists of a pair of rods B B, which are adapted to enter corresponding openings B' B' in the blocks A. The rods B B are connected at their upper ends with a cross-head or knob C and at their lower ends
65 are adapted to receive a like cross-head or knob D, as shown in Fig. 4. The purpose of employing two rods B B is to prevent turning of the blocks A when they are strung on said rods, so that said blocks will be retained in
70 proper alinement to secure register or matching of the several sections of the picture or the like. The rods B B and openings B' B' also are so arranged relatively to each other, as shown—that is, with the openings diamet-
75 rically opposite each other and the rods in like position, so that the blocks may be strung on the rods in two positions—namely, in alinement with each other or out of alinement with each other. This introduces another diffi-
80 culty in the assembling together properly of the several blocks. If desired, the number of openings B' B' may be increased, as indicated by dotted lines in Fig. 5, so as to increase the number of positions the blocks
85 may occupy upon the rods B B, and thus further increase the difficulty of properly assembling the blocks.

Although the structure shown in Fig. 5 is preferred, other structures may be adopted
90 without departing from the invention. For example, a single rod B may be employed, as shown in Fig. 6, in place of two rods, provided with a feather *b*, adapted, when the rod B enters the openings B' in blocks A, to
95 enter a groove *b'* in each of said blocks, and thus permit turning of said blocks on rod B.

What is claimed is—

1. A puzzle comprising a suitable support and a plurality of blocks adapted to be su-
100 perposed and strung on said support and provided on their edges with sections of a picture or the like which is completed when said blocks are superposed in proper sequence,

said blocks and support being so formed that when the blocks are strung on said support they are held thereby against turning, substantially as described.

5 2. A puzzle comprising a suitable support and a plurality of blocks adapted to be superposed and strung on said support and provided on their edges with sections of a picture or the like which is completed when said
10 blocks are superposed in proper sequence, said blocks being provided with openings inside their edges for the passage of the support, the said openings and support being so formed that the blocks when strung on said support
15 are held against turning, substantially as described.

3. A puzzle comprising a suitable support and a plurality of blocks adapted to be superposed and strung on said support and provided on their edges with sections of a picture or the like which is completed when said
20 blocks are superposed in proper sequence and alinement, said support being so formed as to permit the blocks to be strung thereon in proper alinement and also out of proper
25 alinement and in either of said positions of the blocks to prevent turning thereof, substantially as described.

4. A puzzle comprising a suitable support
30 and a plurality of blocks adapted to be superposed and strung on said support and provided on their edges with sections of a picture or the like which is completed when said blocks are superposed in proper sequence
35 and proper alinement, said blocks being each provided with a plurality of openings inside their edges for the passage of the support,

said openings and support being so formed as to permit the blocks to be strung on the support in proper alinement and also out of
40 proper alinement and to prevent turning of the blocks on the support in either of said positions, substantially as described.

5. A puzzle comprising a plurality of rods connected together and a plurality of blocks
45 each provided with a like number of openings adapting them to be superposed on said support and provided on their edges with sections of a picture or the like which is completed when said blocks are superposed in proper
50 sequence and alinement, said rods and openings being so disposed as to permit the blocks to be strung on said rods in proper alinement and also out of proper alinement and in either
55 of said positions of the blocks to prevent turning thereof, substantially as described.

6. A puzzle comprising a plurality of rods B and a plurality of blocks A provided on their edges with sections of a picture or the like which is completed when said blocks are
60 superposed in proper sequence and alinement, said blocks being provided with openings B' equal in number and corresponding in position to the rods B, said rods being of such length as to each pass through the sev-
65 eral blocks, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE F. BARDEN.

Witnesses:

G. M. BORST,
EDITH J. GRISWOLD.