

No. 734,621.

PATENTED JULY 28, 1903.

S. SHANAHAN.

STREET BOX FOR UNDERGROUND MAINS FOR WATER, GAS, METER,
AND VALVE BOXES.

APPLICATION FILED APR. 18, 1903.

NO MODEL.

Fig. 1.

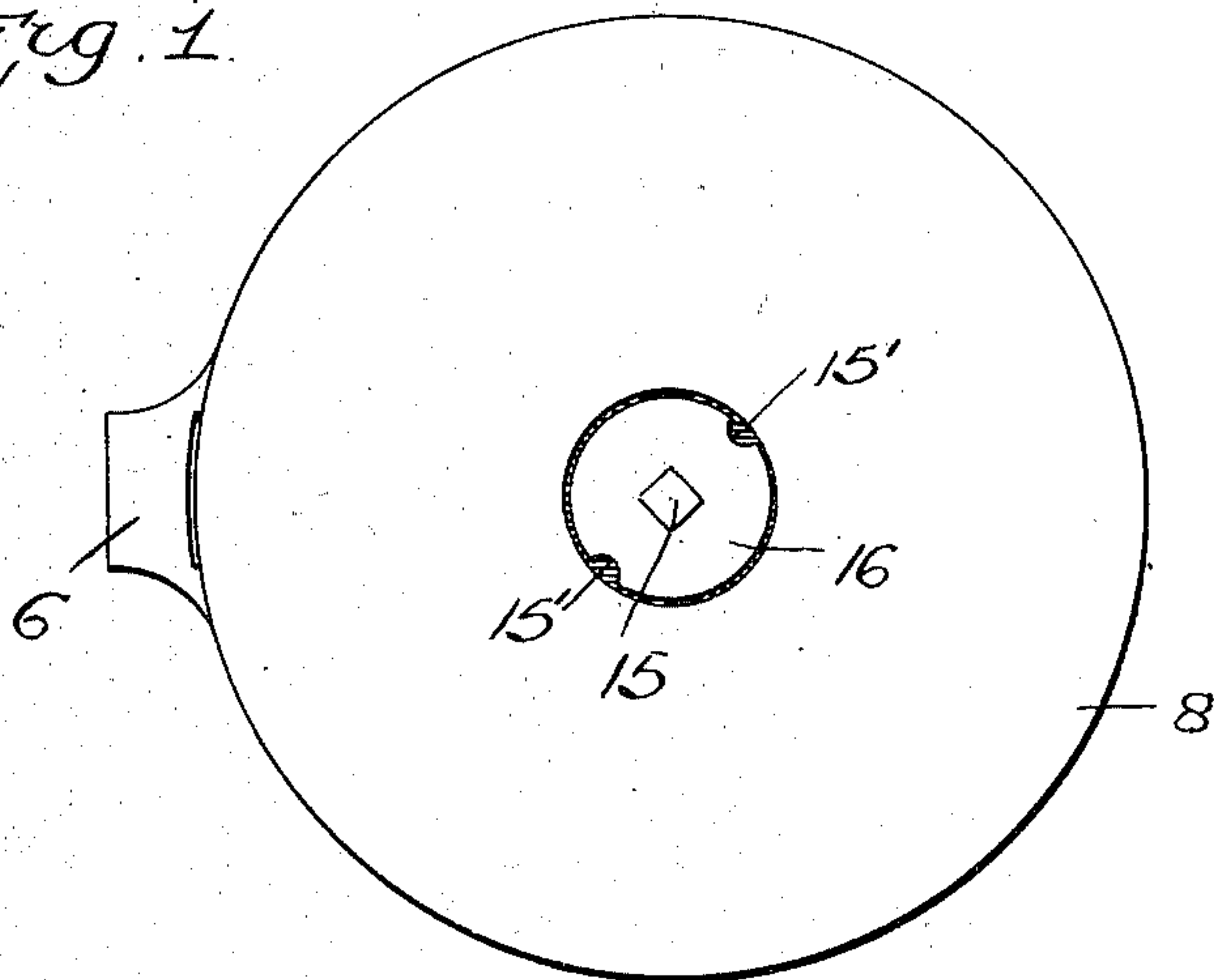


Fig. 2.

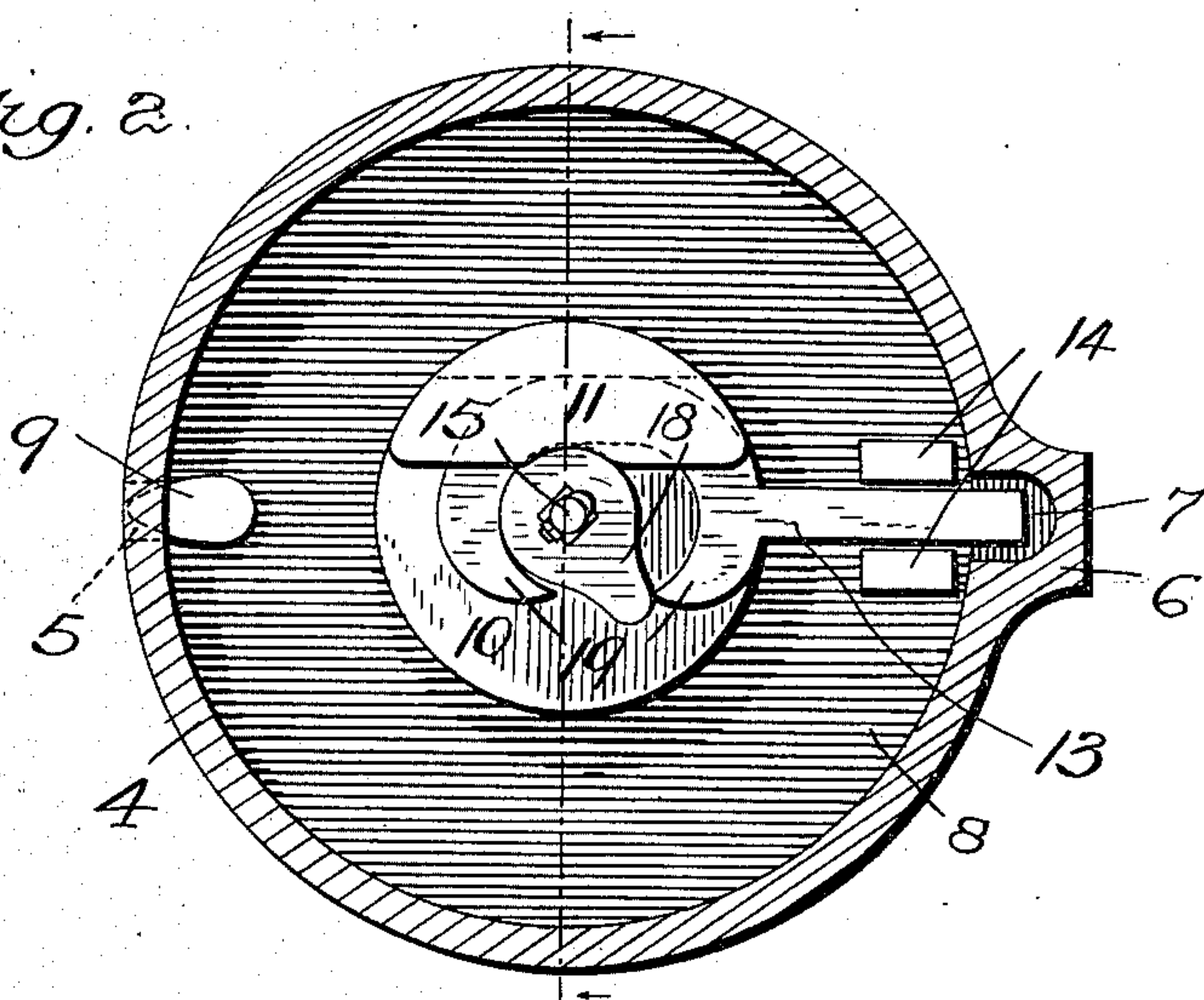
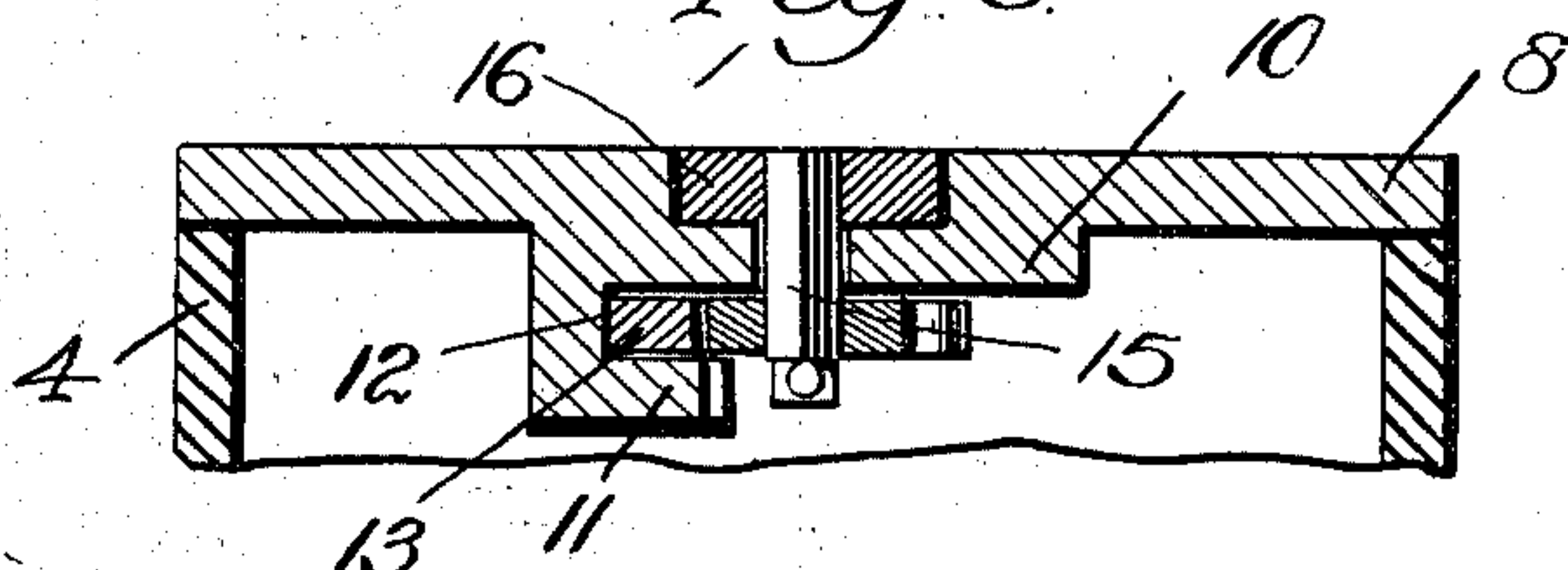


Fig. 3.



attest:

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UNITED STATES PATENT OFFICE.

STEPHEN SHANAHAN, OF CHARLESTON, WEST VIRGINIA.

STREET-BOX FOR UNDERGROUND MAINS FOR WATER, GAS, METER, AND VALVE BOXES.

SPECIFICATION forming part of Letters Patent No. 734,621, dated July 28, 1903.

Application filed April 18, 1903. Serial No. 153,299. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN SHANAHAN, a citizen of the United States, residing at Charleston, West Virginia, have invented certain new and useful Improvements in Street-Boxes for Underground Mains for Water, Gas, Meter, and Valve Boxes, of which the following is a specification.

My invention relates to improvements in street-boxes for the underground service-main of the ordinary type; and the object of the invention is to provide a simple and effective form of cover which will effectively close the box against unauthorized persons.

The invention includes the particular construction and arrangement of parts hereinafter described, and particularly pointed out in the claims.

It is illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view. Fig. 2 is a bottom plan view, and Fig. 3 a central vertical section.

In the drawings, 4 represents the street-box, which may be of cast metal and of the ordinary form. It is provided on one side near the top with an opening 5 and on the opposite side with a projection or lug 6, having a recess 7 formed therein to receive a locking-bolt, hereinafter described. The cover is indicated at 8 and is provided at one edge on the lower face with a projection or spur 9, which engages the recess or opening 5 in the box. A disk 10 is formed upon or secured to the lower face of the cover centrally thereof, and on one side of this is carried a segment 11, which overhangs the disk and provides a groove or space 12, which serves to guide the rear end of the locking-bolt 13. The outer end of the locking-bolt is designed to enter the recess 7 and is guided by lugs 14 and carried by the under face of the cover, near the outer edge thereof. The inner end of the locking-bolt 13 is enlarged and formed in substantially C shape, the closed side of the C being located in the groove 12. A shaft 15 is journaled in the disk 10 and carries at its upper end a disk 16, seated in a recess in the upper face of the cover and provided with oppositely-disposed openings 15' to receive a suitable tool by which the shaft may be turned. On its under side the shaft carries an arm 18, which has a slightly-con-

tracted portion projecting through the open side of the C-shaped part of the bolt, while the inner portion in proximity to the shaft or pivot is rounded or formed on a curve corresponding to the curve of the head and base of the C.

It will thus be seen that as the shaft is rotated and the arm moves the part which projects through the open side of the locking-bar will engage with one or the other of the projecting points 19, and thus according to the direction of rotation will shift the locking-bolt into or out of engagement with the recess in the box. The bolt will be moved until the curved portion at the head or base of the C comes in contact with the correspondingly-rounded portion of the operating-arm, which thus serves as a stop to limit the movement of the locking-bolt.

Having thus described my invention, what I claim is—

1. The combination with a street-box, of a cover having a projection on one side adapted to engage a recess in the box, a sliding locking-bolt carried by the under side of the cover adapted to engage a recess in the opposite side of the box, said locking-bolt having a C-shaped head, and an arm pivoted to the under side of the cover within the C-shaped head and projecting through the open side thereof, a segmental plate overlapping the head of the bolt and guiding the same and a guide for the outer end of the bolt, substantially as described.

2. The combination with a street-box, of a cover having a projection on one side adapted to engage a recess in the box, a disk on the under side of the cover, a segmental plate on one side of said disk and spaced therefrom forming a guide, a sliding locking-bolt carried by said guide to engage a recess in the opposite side of the box, said locking-bolt having a C-shaped head and an arm pivoted to the under side of the cover within the C-shaped head and projecting through the open side thereof, and means for rotating said arm, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

STEVE SHANAHAN.

Witnesses:

M. LEVI,

W. L. SCARBROUGH.