

No. 815,977.

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B. PHELPS.
KNOB FOR LOCKS AND LATCHES.
APPLICATION FILED MAR. 2, 1905.

Fig. 1.

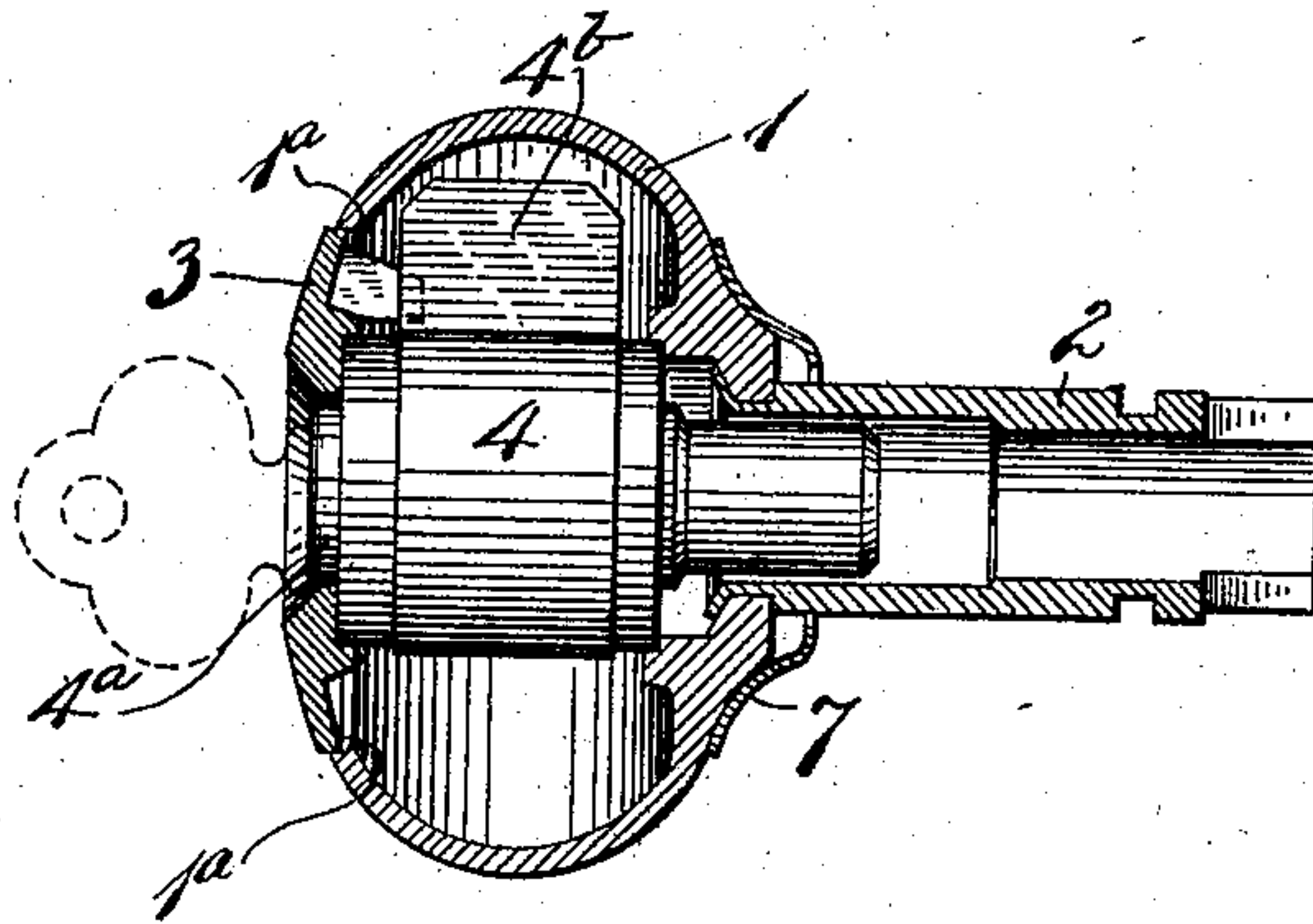


Fig. 2.

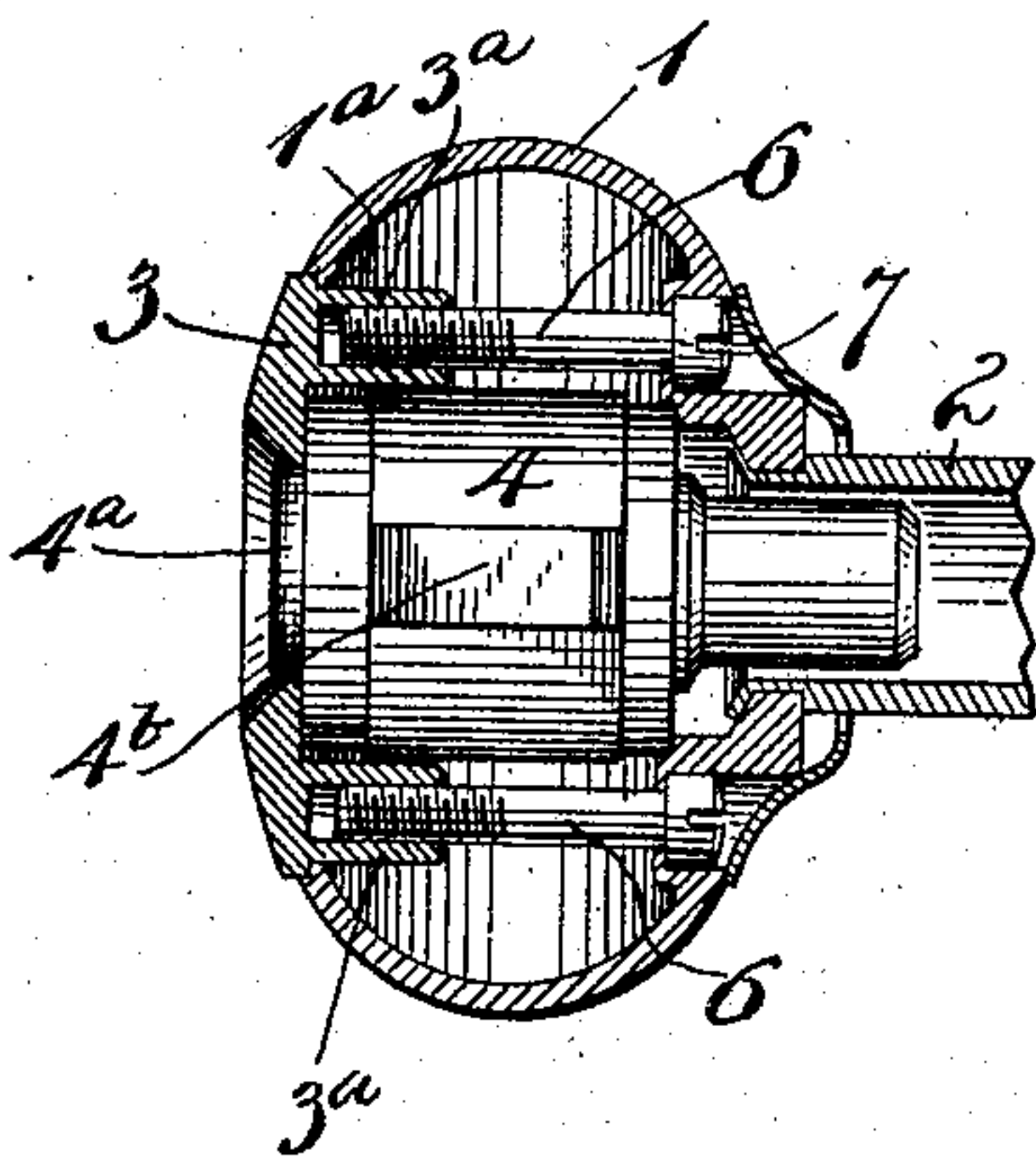


Fig. 3.

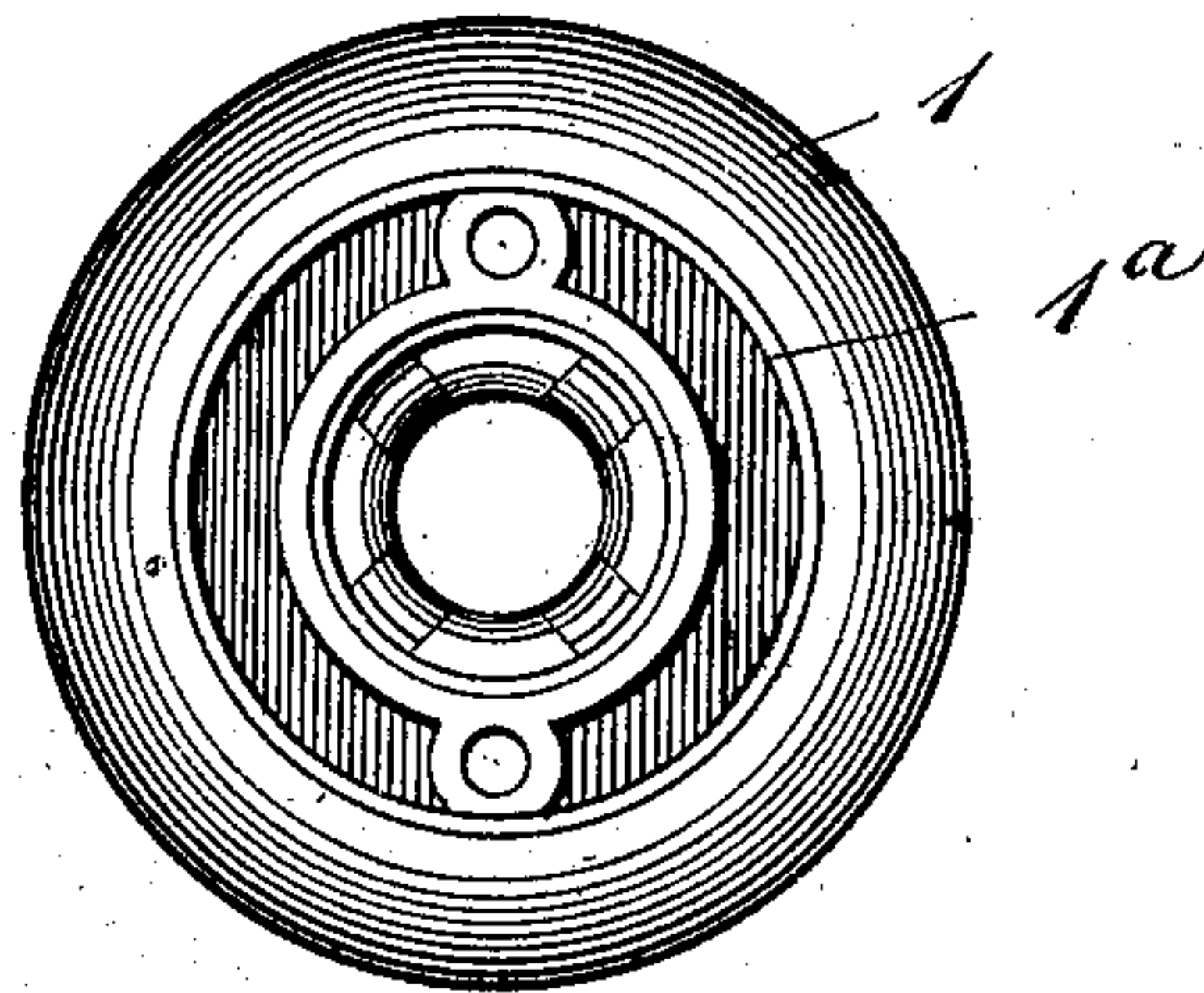
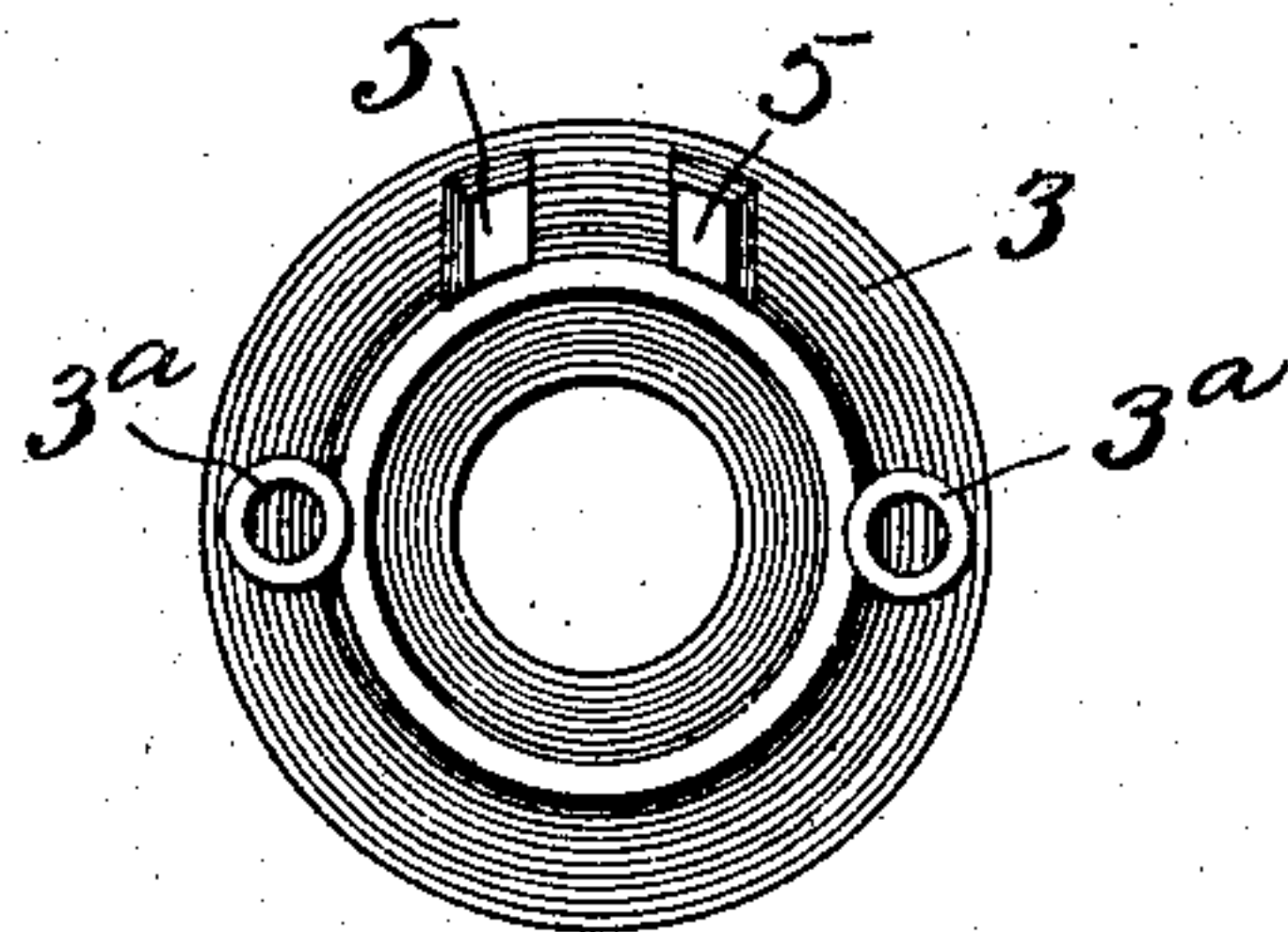


Fig. 4.



Witnesses
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KNOB FOR LOCKS AND LATCHES.

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To all whom it may concern:

Be it known that I, BYRON PHELPS, a citizen of the United States, residing at Seattle, county of King, and State of Washington, have invented certain new and useful Improvements in Knobs for Locks and Latches, of which the following is a full, clear, and exact description.

My invention relates to knobs for locks and latches.

The object of the invention is to provide a new and improved construction whereby a lock may be introduced into a knob and there protected and held securely in place.

In the accompanying drawings, Figure 1 is a longitudinal section of a knob of my improved construction fitted with a lock of the pin-cylinder type. Fig. 2 is a longitudinal section taken on a plane at right angles to that shown in Fig. 1. Fig. 3 is an end view of the knob, the lock-retaining devices and the lock being removed. Fig. 4 is a view of the inside of a detail of construction.

1 is the shell of the knob, which is hollow and which is suitably secured to a shank 2.

3 is a removable cover-plate fitted in an opening in the outer end of the knob, said opening being clearly shown in Fig. 3.

4 is a lock of the pin-cylinder type, the inner end of which may rest against a portion of the knob 1 so as to be properly seated, while the outer end may be supported by the plate 3.

The plate 3 is accurately fitted to the opening in the end of the knob, so that when the parts are assembled it will not be apparent that the plate 3 is anything but an integral part of said knob. The plate 3 has an aperture to permit of the introduction of a key into the lock 4. In the particular form shown the outer end of the hub 4^a of the lock is seated in said aperture.

4^b is the pin-casing, in which the pin-tumblers are mounted after the well-known manner.

Within the knob are suitable lugs or pro-

jections arranged to straddle the pin-casing 4^b or otherwise suitably engage the lock-case, so as to steady the same and hold it against displacement. In the particular form shown said lugs are carried by the cover-plate 3 and are indicated at 5 5.

6 6 are screws constituting fastening devices. These screws serve to clamp the plate 3 in place. The screws are introduced through holes in the inner end of the knob 1, while the threaded ends engage in bosses 3^a 3^a on the inner surface of the plate 3.

7 is a rose-plate which overstands the screw heads and perforations at the inner end of the knob, giving to the latter a finished appearance at that end.

The cover-plate 3 may lie flush with the surface of the knob or may stand slightly above the same, as indicated in the drawings. The opening in the knob 1, into which the cover-plate is inserted, may be provided with a supporting-ledge 1^a, upon which the edge of the cover-plate 3 may rest when in its home position. The opening in the outer end of the knob, which the cover-plate 3 is adapted to close, is of such a size or shape as to permit the lock to be introduced or removed at will.

What I claim is—

In a knob, a knob-body having a seamless grip portion, an opening in the outer end of said knob-body of sufficient size to admit of the introduction and removal of a lock, said opening being of substantially less diameter than the greatest diameter of the knob, a cover-plate for said opening, a bearing in said plate for said lock in combination with a lock and means accessible at the inner end of the knob only for securing said cover-plate in place and holding it against rotation independently of the knob.

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Witnesses:

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