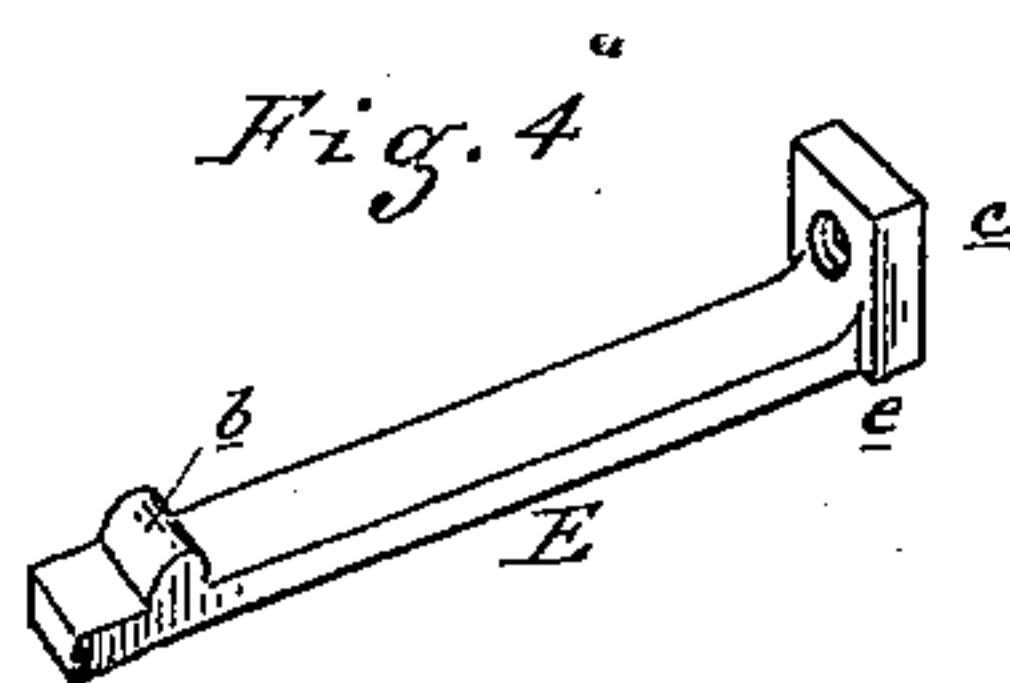
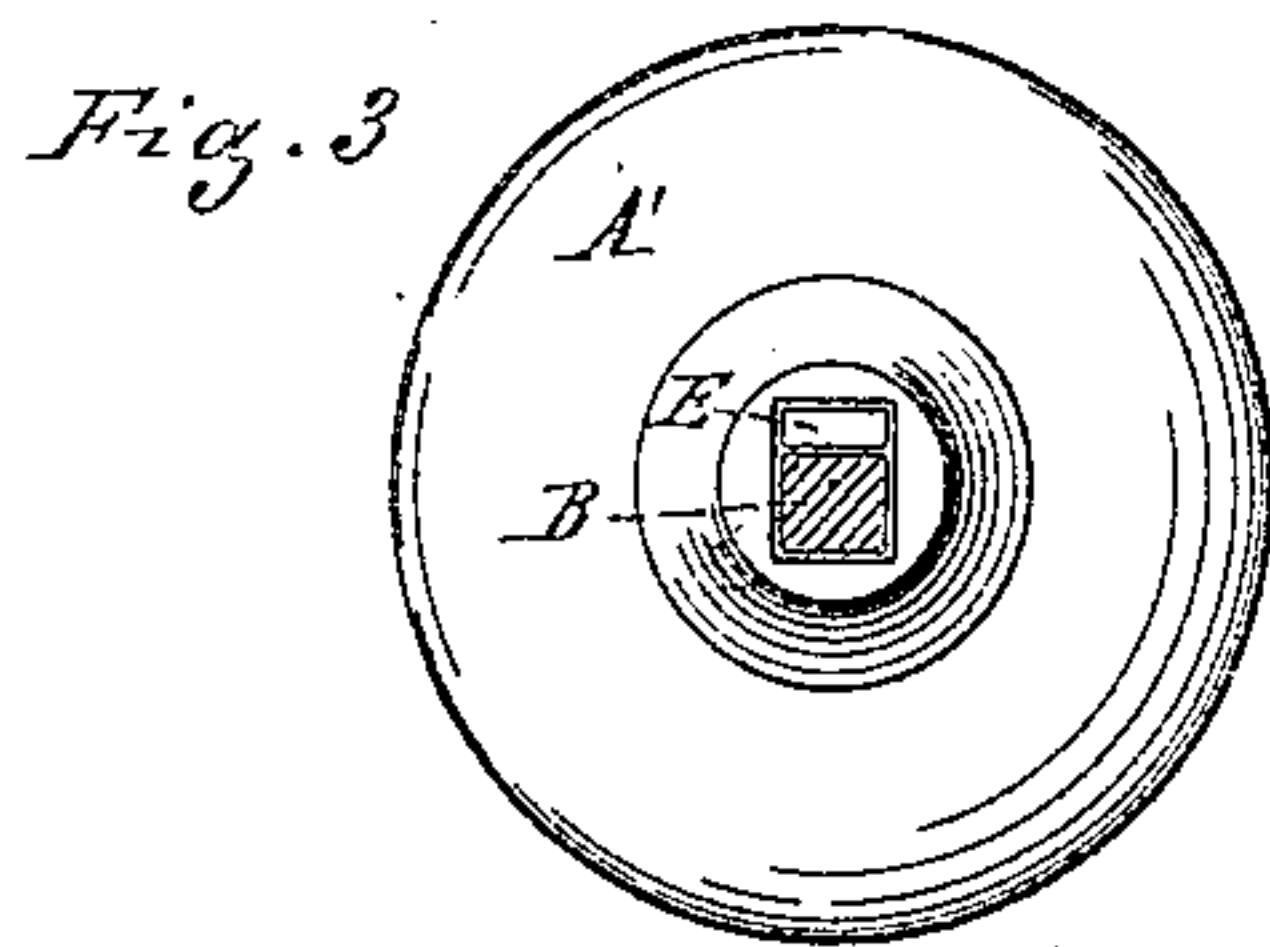
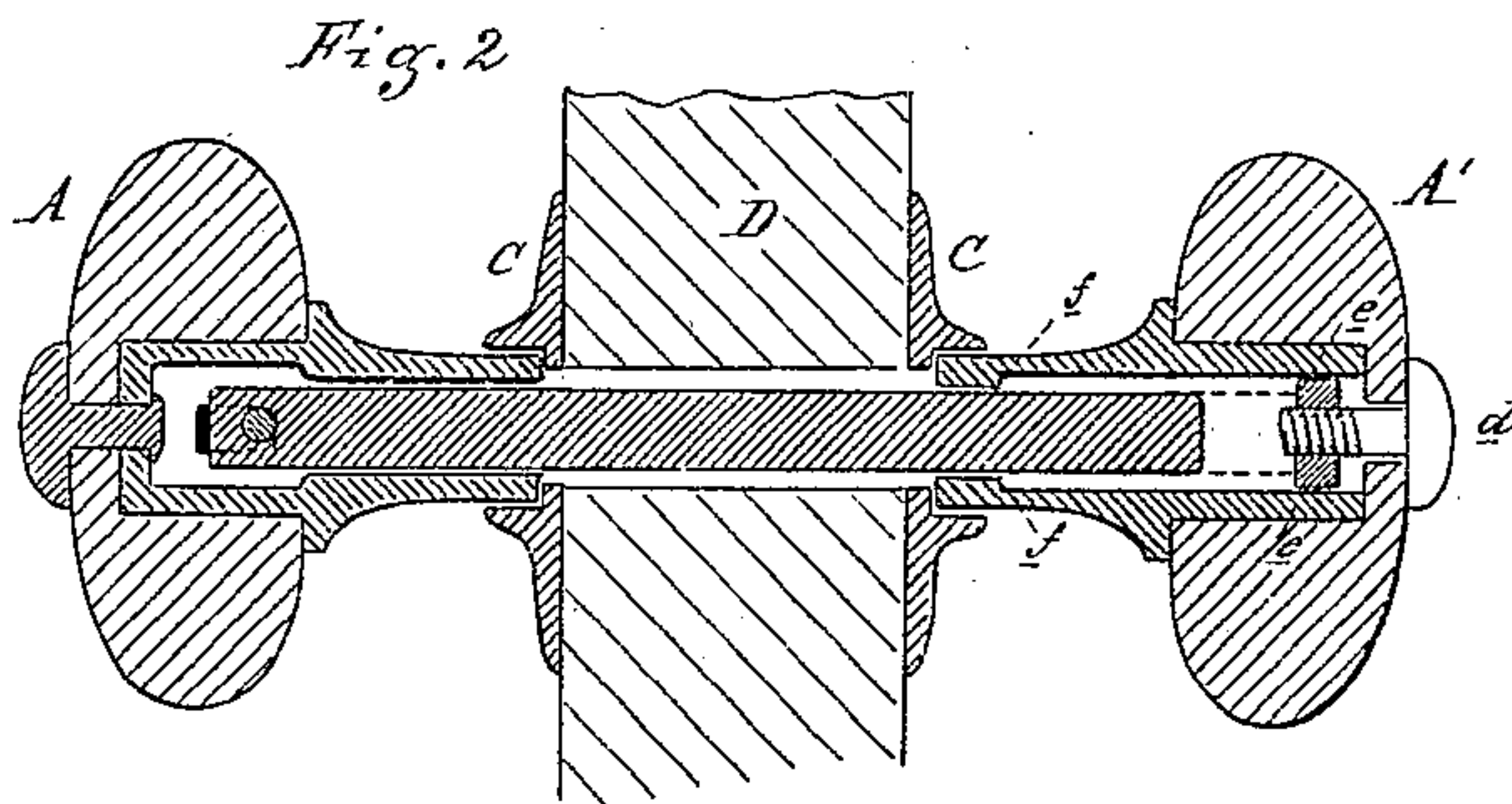
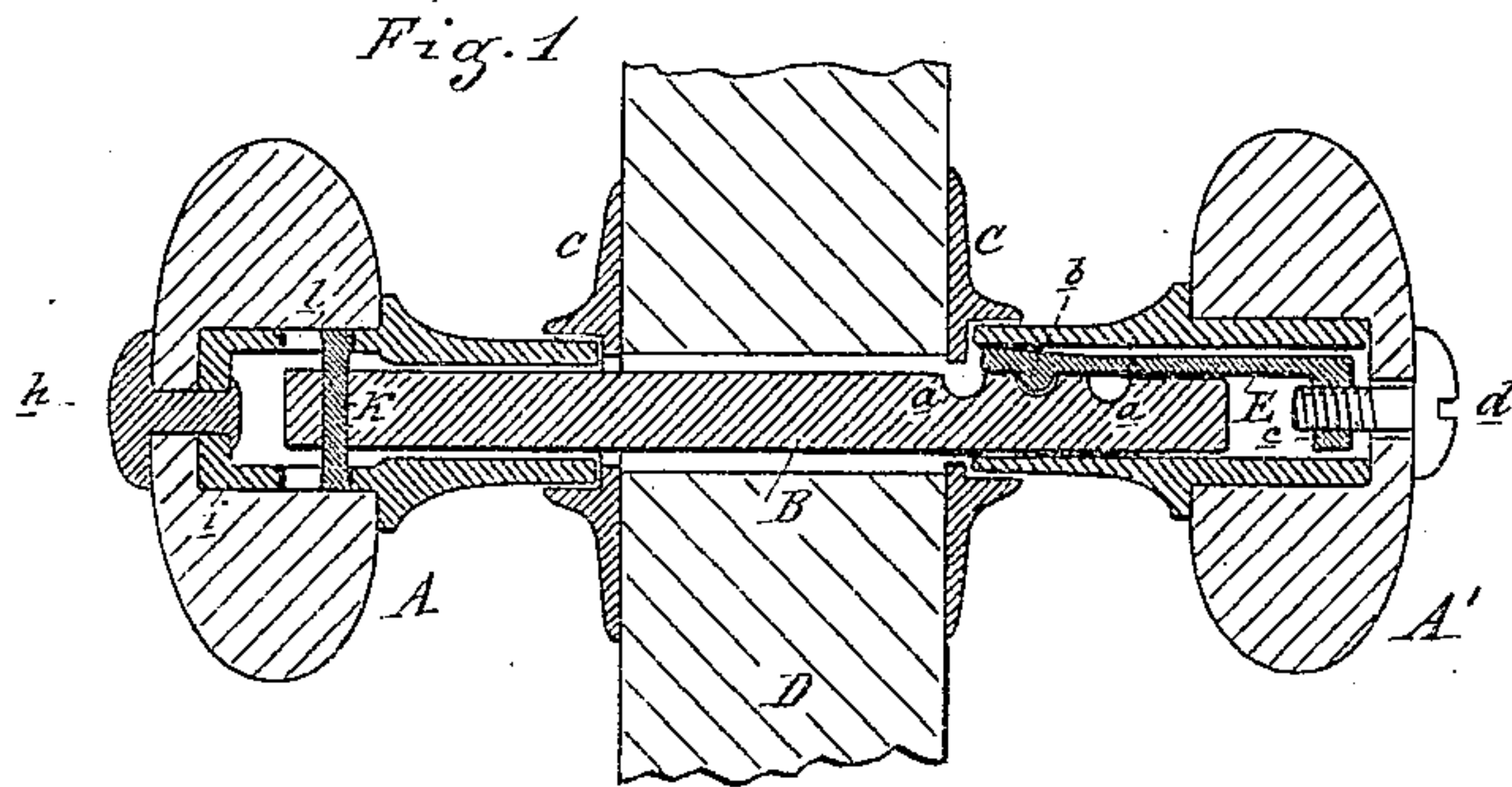


(Model.)

W. H. GONNE.
Knob Attachment.

No. 234,466.

Patented Nov. 16, 1880.



Attest:
J. Barthel
Thos. S. Day

Inventor:
W. H. Gonne
By Atty
Thos. S. Day

UNITED STATES PATENT OFFICE.

WILLIAM H. GONNE, OF CHATHAM, CANADA, ASSIGNOR OF TWO-THIRDS TO
GEORGE WATKINS AND OLIVER M. HIDDEN, OF BAY CITY, MICHIGAN.

KNOB-ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 234,466, dated November 16, 1880.

Application filed August 12, 1880. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM H. GONNE, of Chatham, Kent county, Dominion of Canada, have invented an Improvement in Door-Knob Attachments, of which the following is a specification.

The nature of this invention relates to certain new and useful improvements in the construction of door-knobs, whereby they can be adjusted to fit doors of different thickness; and the invention consists in the peculiar construction, arrangement, and combination of the various parts, all as more fully hereinafter set forth.

Figure 1 is a vertical central section through a set of door-knobs, when adjusted to the door. Fig. 2 is a horizontal central section. Fig. 3 is an elevation of one of the knobs. Fig. 4 is a perspective of the adjustable slide.

In the accompanying drawings, which form a part of this specification, A A' are two door-knobs, connected by a square spindle, B, which passes through the rosettes C C. D is a section of the door.

The knob A is stationary, while the knob A' is adjustable in the following manner: The spindle B carries on its end a series of notches, *a a*, one of which is made to engage with a lug, *b*, on the sliding plate E. Both the spindle and the plate E enter the neck of the knob, A', and the plate E reaches back into the shank and knob, where it terminates in a flange or head, *c*, which is provided with a screw-hole

to engage with the set-screw *d*, and furnishes an adjustment of the knob to the door. To prevent the plate from falling out and being lost the head *c* is slightly enlarged to form shoulders *e e* on each side, while other shoulders, *f f*, are left on the inside of the neck. In practice the spindle is passed through the door, the lug *b* of the plate E is made to engage with the notch nearest the rosette, the combined spindle and plate E then entered into the neck of the knob A', and the set-screw *d* is screwed home, drawing the knob against its rosette.

The mode of securing the spindle to the knob A is also novel, and consists in a rivet, *h*, which holds the shank *i* to place, while the spindle B is held by a short bolt, *k*, which passes through shank and spindle. The bolt *k* passes through a slot, *l*, of the shank to allow the spindle movement enough to enable the rivet *h* to be hammered down by striking against the end of the spindle.

What I claim as my invention is—

1. In adjustable door-knobs, the combination of the notched spindle B, plate E, engaging with said notches, and set-screw *d*, substantially as and for the purposes described.

2. The combination of the knob A, rivet *h*, spindle B, bolt *k*, and slot *l*, substantially as specified.

WILLIAM H. GONNE.

Witnesses:

H. S. SPRAGUE,
THEO. S. DAY.