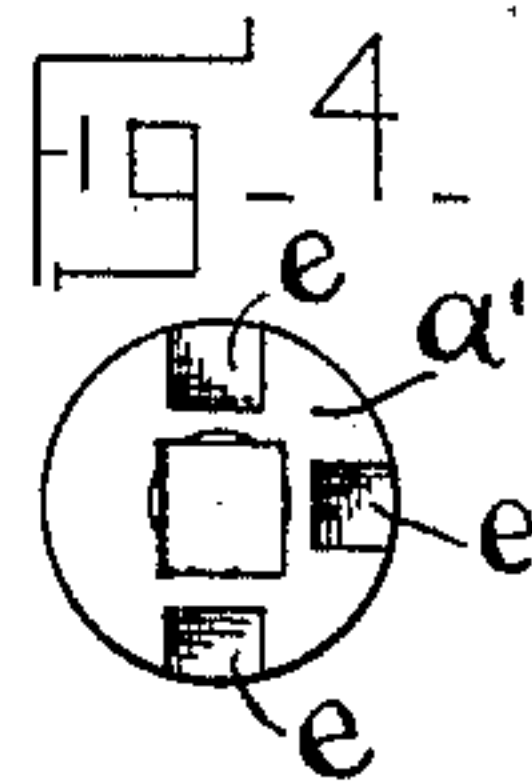
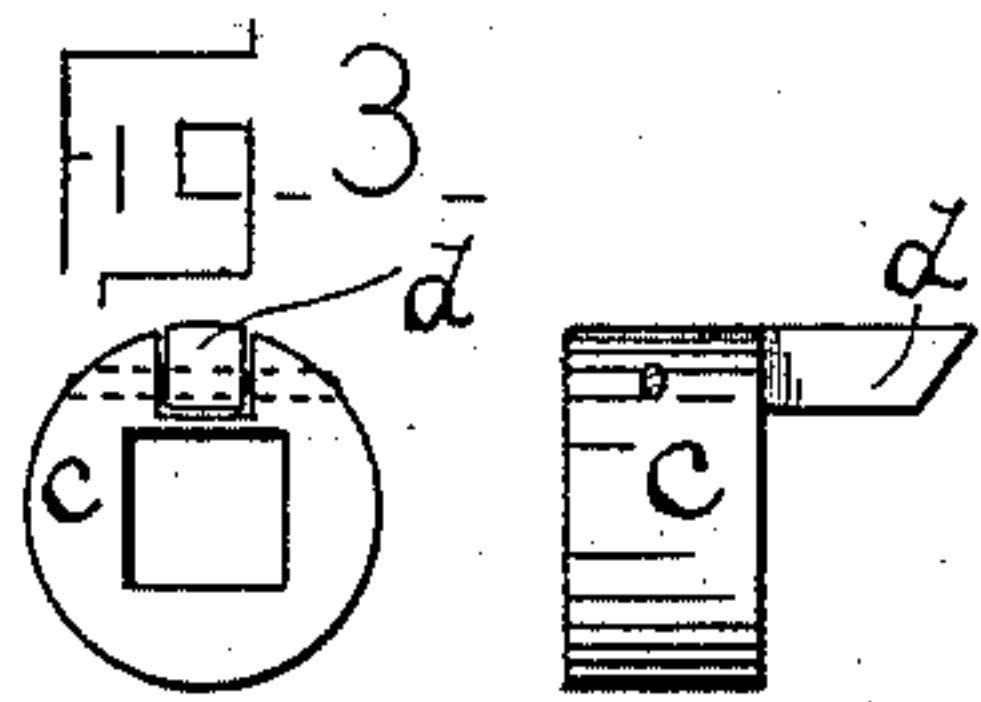
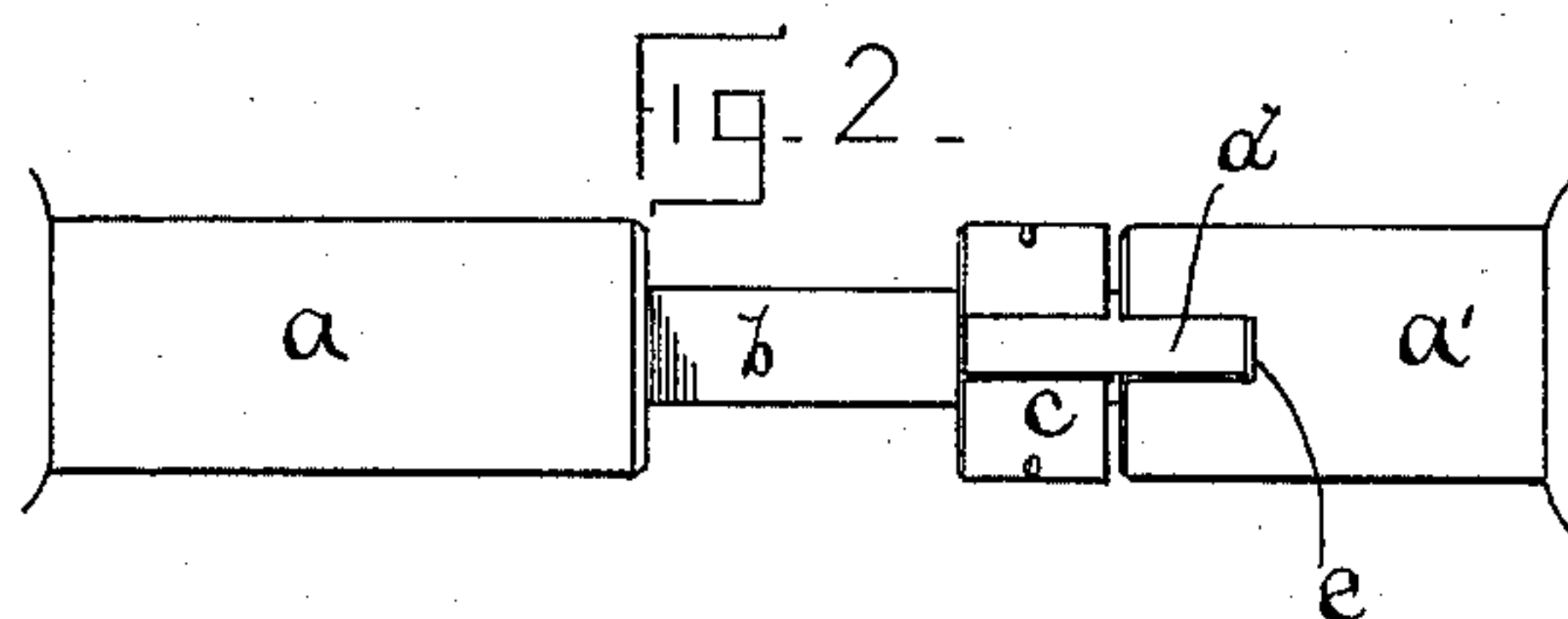
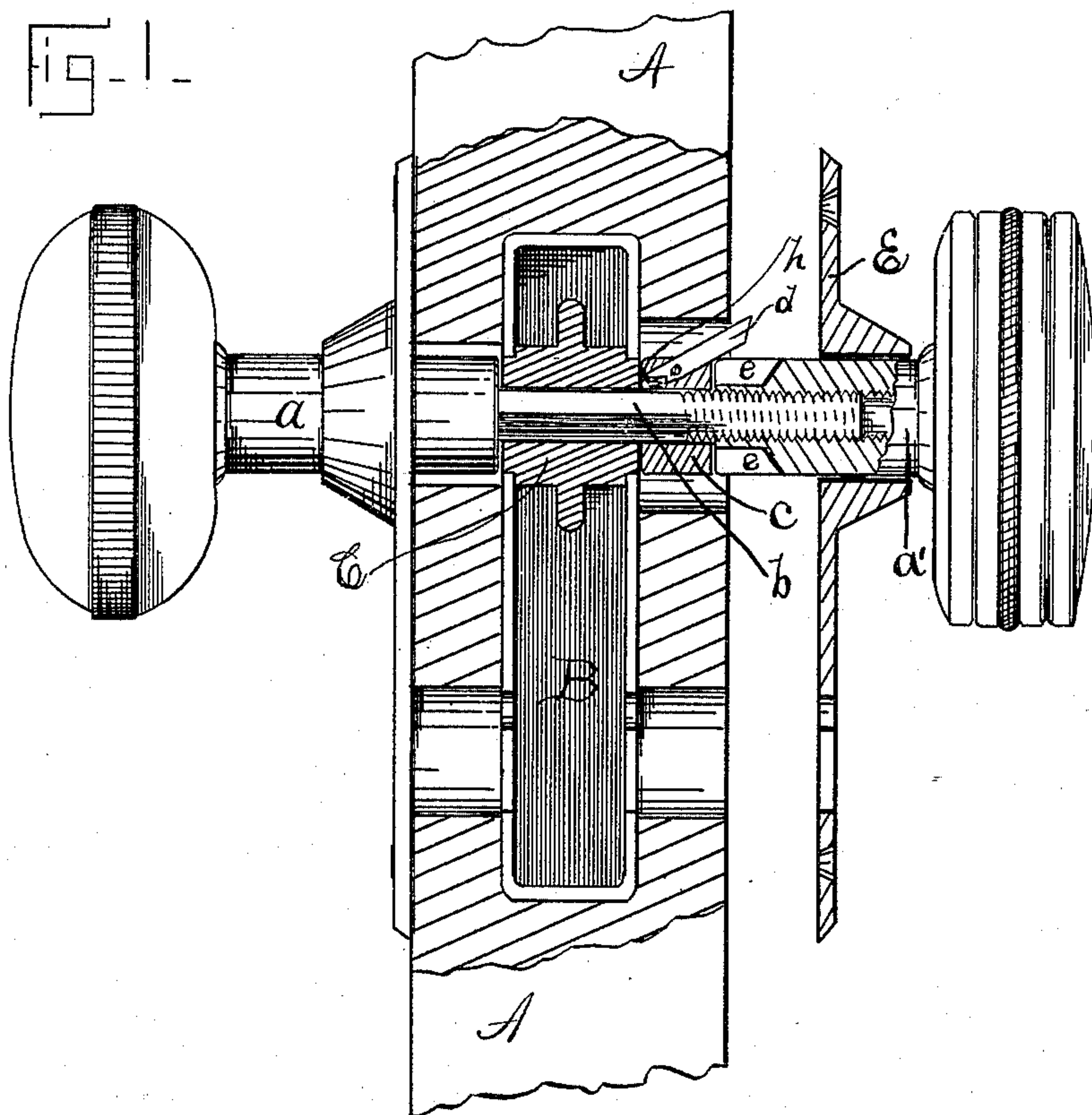


(No Model.)

C. H. BEEBE.
KNOB ATTACHMENT.

No. 331,112.

Patented Nov. 24, 1885.



Witnesses -
Tyler J. Howard
Frank L. Lathrop

Inventor -
Charles H. Beebe
By his Attorney,
Frank H. Allen

UNITED STATES PATENT OFFICE.

CHARLES H. BEEBE, OF NORWICH, CONNECTICUT.

KNOB ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 331,112, dated November 24, 1885.

Application filed April 6, 1885. Serial No. 161,304. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BEEBE, a citizen of the United States, residing at Norwich, in the county of New London and State of Connecticut, have invented a certain new and useful Improvement in Knob Attachments, of which the following is a specification, reference being had to the annexed drawings, in which—

10 Figure 1 represents a mortise-lock case in place in a door and my improved form of knob-attaching device properly applied, one of the knob-necks being cut away to show more clearly said improvement. Fig. 2 is a top
15 view of the knob necks, spindle, and locking device. Fig. 3 shows end and side views of the collar *c* and its locking-latch. Fig. 4 is an inner end view of knob-neck *a*.

My invention relates to that class of knob
20 attachments in which a square spindle threaded at its corners or angles is screwed into an internally-threaded knob-neck for convenience in adjusting the knobs to doors of any reasonable thickness, my immediate object being to furnish a simple device for preventing
25 the knob-necks from unscrewing while in the act of rotating the knob to operate the bolt.

Referring to the accompanying drawings, the letter A represents a portion of a door,
30 and B the lock-case having in proper position the customary form of hub C, provided with a central angular opening to receive the operating-spindle *b*. This spindle *b* is preferably secured rigidly in knob-neck *a*, and that portion which extends through the hub, when in
35 place, is threaded at its angles, as shown. The knob-neck *a'* is threaded internally to fit the threaded spindle. *c* represents a collar of about the diameter of the knob-necks, having
40 secured pivotally in its upper slotted side a latch, *d*, whose free end extends well outward

from said collar. Collar *c* is not threaded to engage the square spindle, but is formed with a square central opening adapted to slide loosely on the square spindle. The knob-neck
45 *a'* has one or more chambers, *e*, at the end which confronts the movable collar *c*, said chambers being of such a size and so located that when the several parts are in their respective places and adjusted to the desired
50 positions, the latch *d* may be lowered into one of the chambers *e* to securely lock the rotatable knob-neck to the non-rotatable collar *c*.

To hold the latch *d* in engagement with chamber *c*, I have shown a spring, *h*, which
55 acts with a constant tendency to force the free end of the latch toward spindle *b*. This spring, however, is not absolutely necessary to the satisfactory working of my device, as the escutcheon E, when in place and fastened to the
60 door, covers the latch and also prevents it from leaving chamber *e*.

I am aware of the patent to Fenn, No. 112,134, granted February 28, 1871, and do not broadly claim a sliding sleeve on a threaded
65 square spindle.

What I do claim as my invention is—

In combination with a spindle threaded at its angles, a collar longitudinally movable on
70 said spindle and provided with a pivoted locking-latch, as described, an internally-threaded knob-neck adapted to engage the threaded spindle, and provided with one or more chambers, *e*, to receive the locking-latch when
75 properly adjusted, and means for holding said latch in engagement with said chamber, all substantially as and for the purpose specified.

CHARLES H. BEEBE.

Witnesses:

FRANK H. ALLEN,
TYLER J. HOWARD.