

(No Model.)

C. H. BEEBE.
KNOB ATTACHMENT.

No. 318,684.

Patented May 26, 1885.

Fig. 1.

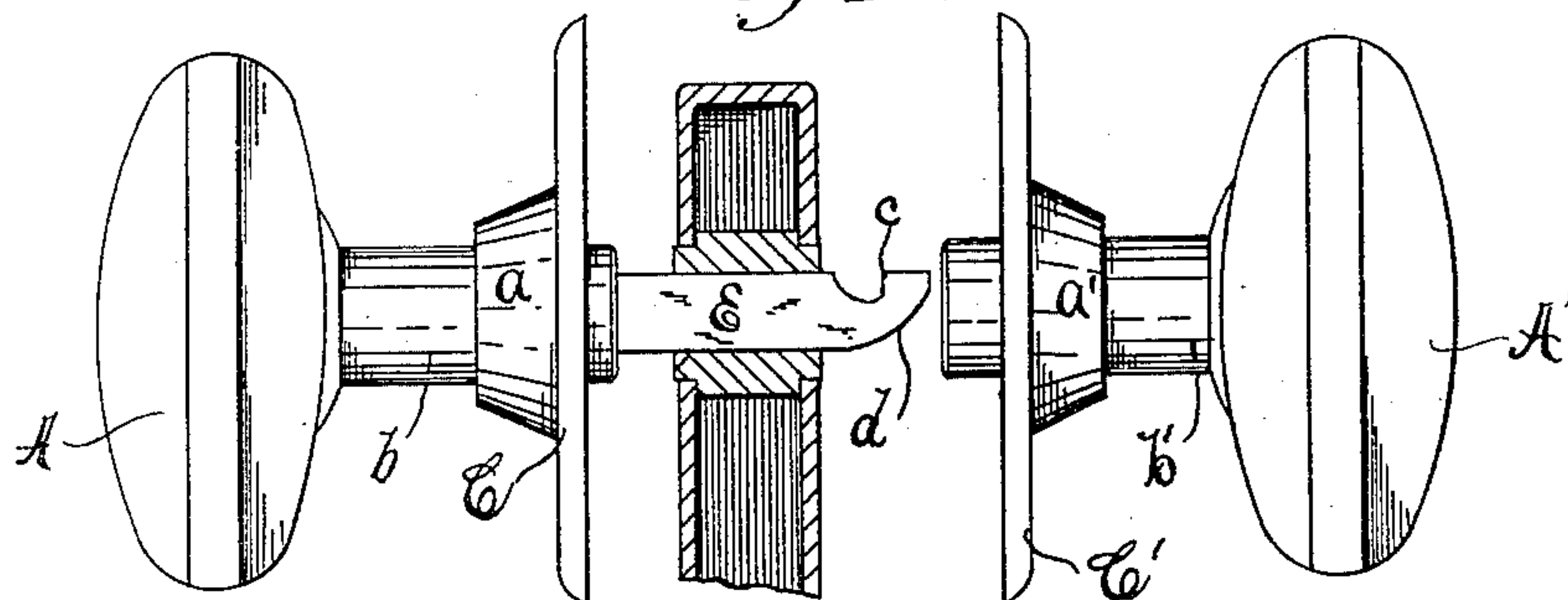


Fig. 2.

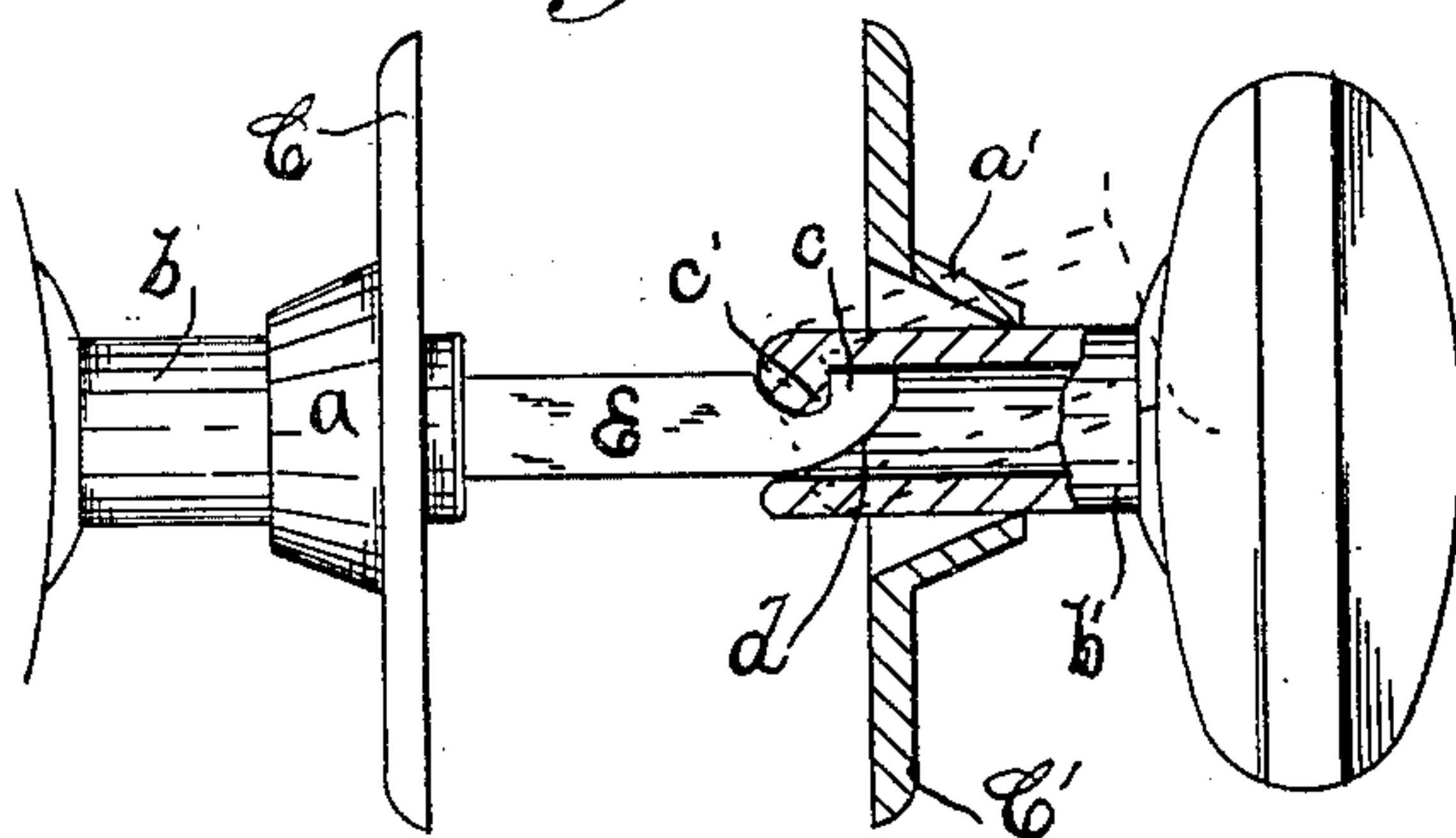


Fig. 3.

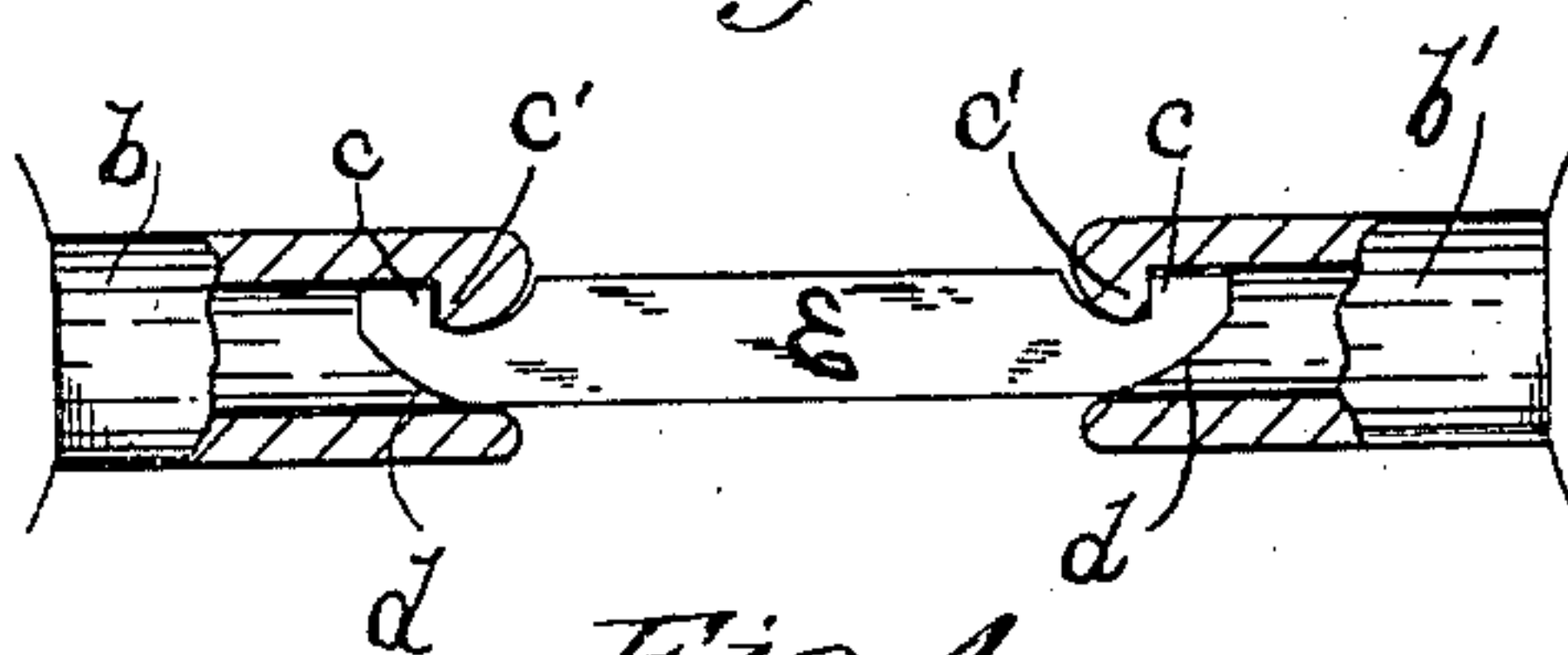
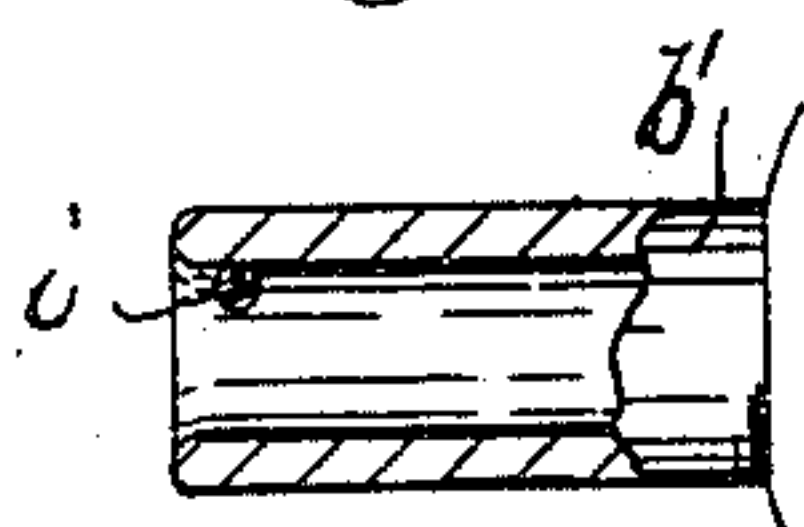


Fig. 4.



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UNITED STATES PATENT OFFICE.

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KNOB ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 318,684, dated May 26, 1885.

Application filed January 10, 1885. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BEEBE, of the city of Norwich, county of New London, and State of Connecticut, have invented a certain new and useful Improvement in Knob Attachments, which improvement is fully set forth and described in the following specification, reference being had to the accompanying drawings.

My immediate object is to produce a knob-attaching device which shall be strong in its parts, cheaply constructed, and easily applied to doors of ordinary thickness.

My device does not require a lock or latch made specially for it, but may be used with knob locks and latches as commonly constructed.

In the annexed drawings, Figure 1 is a side view of one form of my improved device, showing the several parts (knobs, spindle, hub, and rosettes) as they appear when about to assemble the same. Fig. 2 shows the same assembled, the knob-neck which engages the locking end of the spindle being in section. The position of the knob-neck *b'* while in the act of locking into the spindle is indicated by dotted lines in said Fig. 2. Fig. 3 shows another form of my device, in which a short detached spindle is provided having a locking-hook at each end to engage the hooks on the knob-necks. Fig. 4 shows the neck *b'* with a locking-pin, *i*, in place of a lug cast integral with said neck.

The knobs of my device are of porcelain, metal, or other suitable material, and are represented by the letters A A'. Each of said knobs is provided with the usual form of neck, *b b'*.

C C' represent rosettes or escutcheons, provided preferably with a collar, *a a'*, which is cored in casting to form a conical shell, the outer portion of the opening being of about the same diameter as the knob-neck which is to pass through it.

Secured rigidly in the neck *b* is a square spindle, E, of such length that it may extend through the lock, as shown in Fig. 1, having its upper side channeled transversely to form the hook *e*, and cut diagonally on the side opposite to said hook *e*, as at *d*.

Within the neck *b'* is a hook, *e'*, formed

preferably as an integral part of said neck, although said locking-hook may be formed by drilling the knob-neck transversely near its free end and inserting therein a pin, as shown in Fig. 4. By the use of such a pin, to produce the desired locking-hook, knob-necks of ordinary construction may be quickly and cheaply altered for use with the form of spindle already described.

To assemble my device, the spindle E is first passed through rosette C and through the lock. The neck *b'* is then passed through rosette C', and with its knob end elevated, as shown in dotted lines in Fig. 2, the hook *e'* is slipped over hook *e*, the hole in the door being somewhat enlarged to allow the neck to be raised, as described. The neck *b'* is now lowered in horizontal alignment with the spindle and securely held in place by fastening the rosette C' to the door.

In Fig. 3 I have shown a short detachable spindle having at each end a locking-hook, *e*, to receive the corresponding hook, *e'*, on the knob-necks. In such a form the spindle may be entered in the hub from either side of the door. The knob-necks in such a form would be precisely alike, and could be used on either side of the door. It will now be understood that after the several parts are assembled the knobs may be freely rotated; but the locking-hooks cannot be disengaged, except by releasing the rosettes and elevating the outer end of the neck *b'*.

Having thus described my invention, I claim—

In combination with a lock-hub having a rectangular spindle-hole, a spindle adapted to enter and nearly fill said hole and provided at one or both ends with a locking-hook, substantially as described, knob-necks having within their free ends a locking-hook which may, by elevating the knob end of said neck or necks, be slipped over the spindle-hooks, and means for retaining said knob-necks in longitudinal alignment with said hub-spindle, all as and for the purpose specified.

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Witnesses:

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