

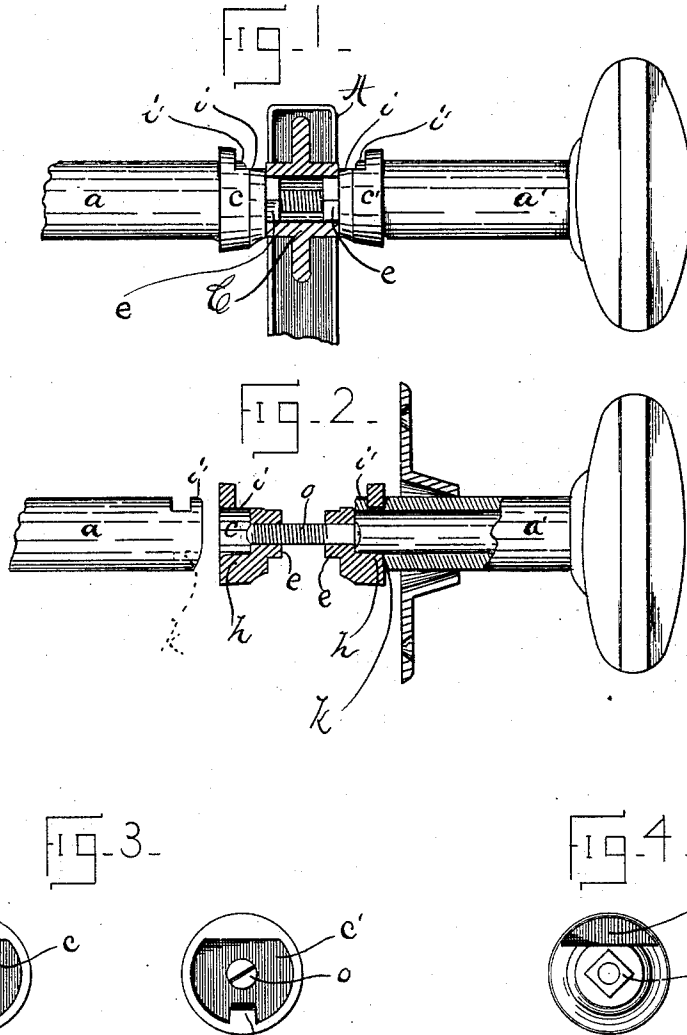
(Model.)

W. H. COMSTOCK.

KNOB ATTACHMENT.

No. 328,191.

Patented Oct. 13, 1885.



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UNITED STATES PATENT OFFICE.

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KNOB ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 328,191, dated October 13, 1885.

Application filed December 30, 1884. Serial No. 151,609. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM H. COMSTOCK, 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 drawings hereunto annexed, in which—

Figure 1 is a side view of my new device as it appears when properly secured to a knob-latch, a portion of the lock-case and the hub being shown in section. In Fig. 2 I have shown a sectional view of the connecting-disks *c c'* and the right-hand knob-neck *a'*, said knob-neck being shown properly locked in the disk *c'*. On the left or opposite side is shown the knob-neck *a* detached. Fig. 3 shows outer end views of the disks *c c'*, and Fig. 4 the inner end of one of said disks.

My invention relates to a new means for attaching knob-necks to mortise locks or latches, my purpose being to dispense with the long square connecting-spindle so long in use, yet to provide a device which may be used without materially changing the lock or its spindle-hub. To accomplish this purpose I have provided a pair of disks which may be secured to said hub by a single screw after the lock is in place in the door, and have so shaped the free ends of the knob-necks that they may interlock with said disks, as hereinafter described in detail.

The letter A represents a portion of a lock-case, and C the spindle-hub, having the usual square central opening.

c c' represent disks having on one end square projections *e*, centrally located and of such size that they may enter and fill the hole in the hub C, one on each end of said hub, as shown in Figs. 1 and 2. The outer ends of disks *c c'* are recessed and have at the lower side a lug, *h*, which extends well upward nearly to the central screw-hole. A transverse cut, *i*, is made on the periphery of each disk an eighth of an inch or thereabout from the face, cutting through into the recessed outer end of said disk and forming a slot to receive and support the lip *i'* on the knob-neck, said lip being formed by a transverse slot across the knob-neck near its outer end. Said knob-neck is formed preferably with the usual square hole, into which a cut is made opposite the lip *i'*, thus providing a recess, *k*,

which, when the several parts are assembled, slips over the lug *h*, so that when the knob-neck is rotated the disk and hub are also rotated.

The two disks *c c'* are alike in every particular, except that one is tapped to receive the threaded portion of the connecting-screw *o*.

My device is assembled as follows: After the lock is in place in the mortise the squared end of disks *c c'* is entered in hub C, as shown, and the screw *o* is passed through *c'*, entered in *c*, and screwed home, the disks being then practically rigid parts of said hub. One of the knob-necks is now passed through its rosette, and with the knob end elevated slightly the lip *i'* is entered in the disk-recess and slipped upward into its slot *i*, the recess *k* at the same time straddling the lug *h*, as described above.

The knob-necks are now in longitudinal alignment with the hub C, and are locked in said position by screwing or otherwise fastening the rosettes to the door.

Having thus described my invention, I claim—

1. The combination, in a mortise lock or latch having a hub with an angular opening, of disks *c c'*, having projecting ends adapted to enter and fill the hub-opening, and slots to engage locking-lips on the knob-necks, a screw passing through said disks and hub to secure the disks to the hub, knob-necks provided with lips, substantially as described, adapted to interlock with the slotted disks, and roses which when secured fixedly to the door will hold the knob-neck in longitudinal alignment with the lock-hub, all substantially as and for the purpose specified.

2. The combination of the hub C, having a rectangular central opening, the disks *c c'*, each having a projection, *e*, lug *h*, and locking-slot *i*, means for securing disks *c c'* to the hub, knob-necks having locking-lips *i'*, adapted to engage disk-slots *i*, and recess *k*, adapted to engage disk-lug *h*, and a rose which when secured fixedly to the door will hold the knob-necks in longitudinal alignment with the lock-hub, all substantially as and for the purpose specified.

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