

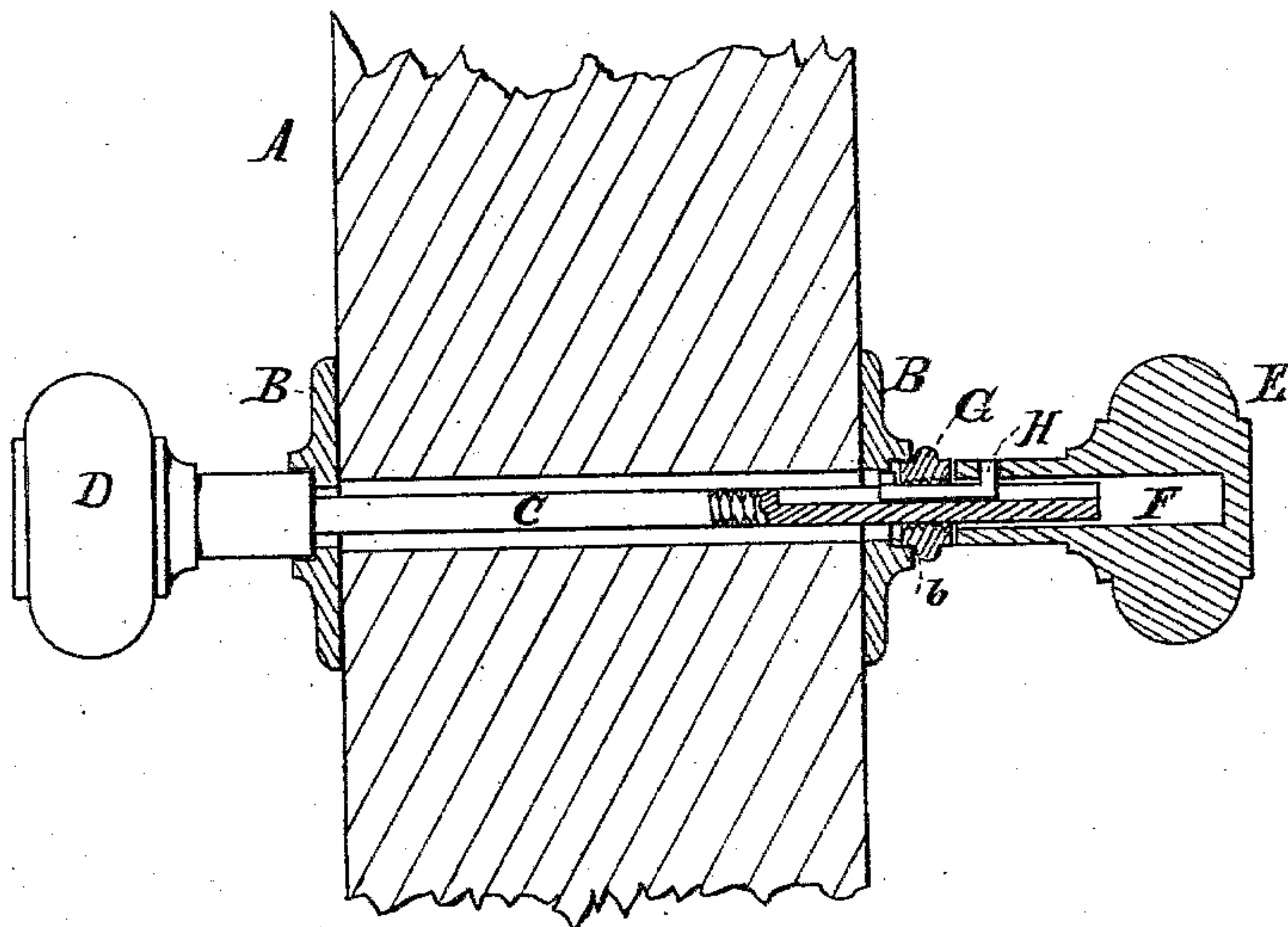
(No Model.)

O. STODDARD.  
DOOR KNOB ATTACHMENT.

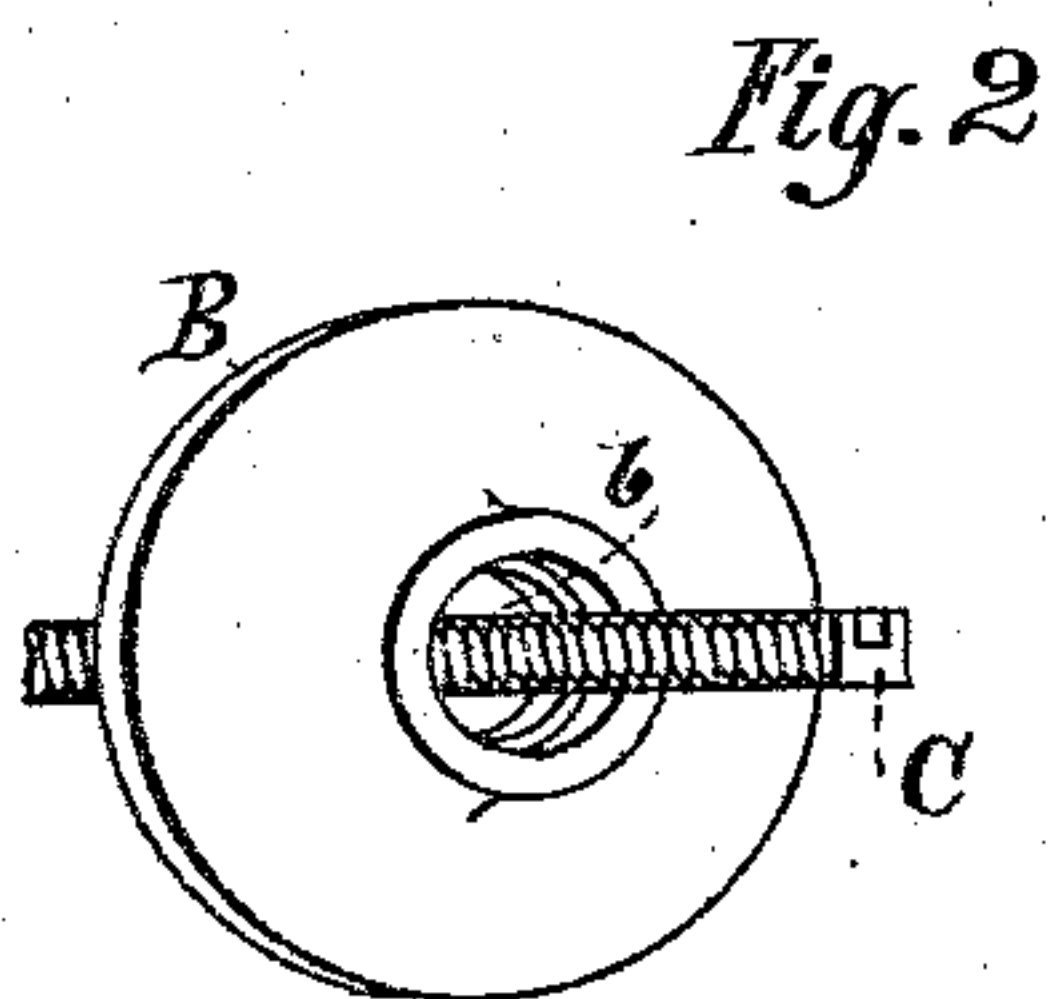
No. 280,877.

Patented July 10, 1883.

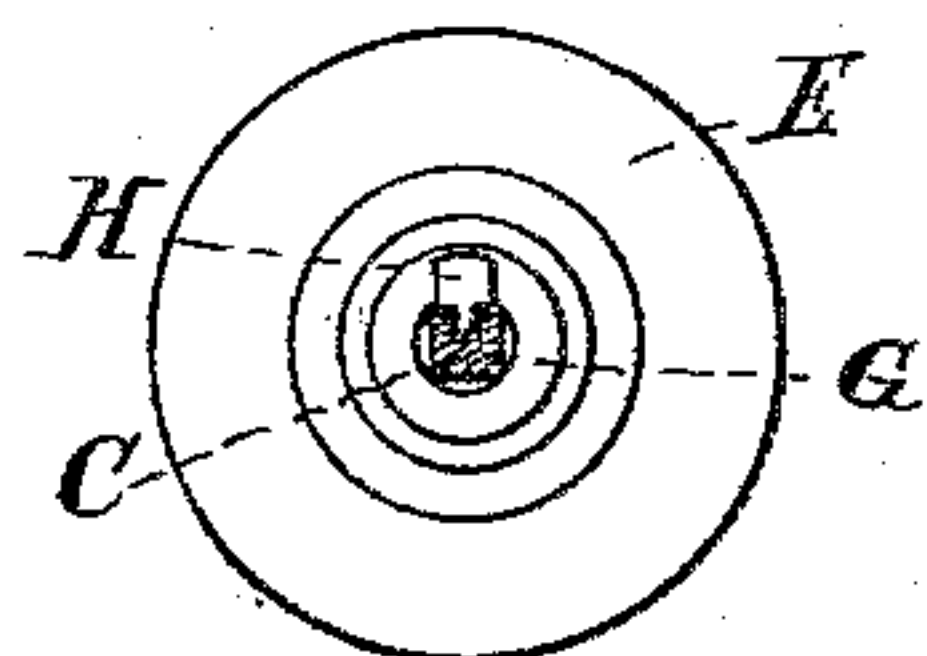
*Fig. 1.*



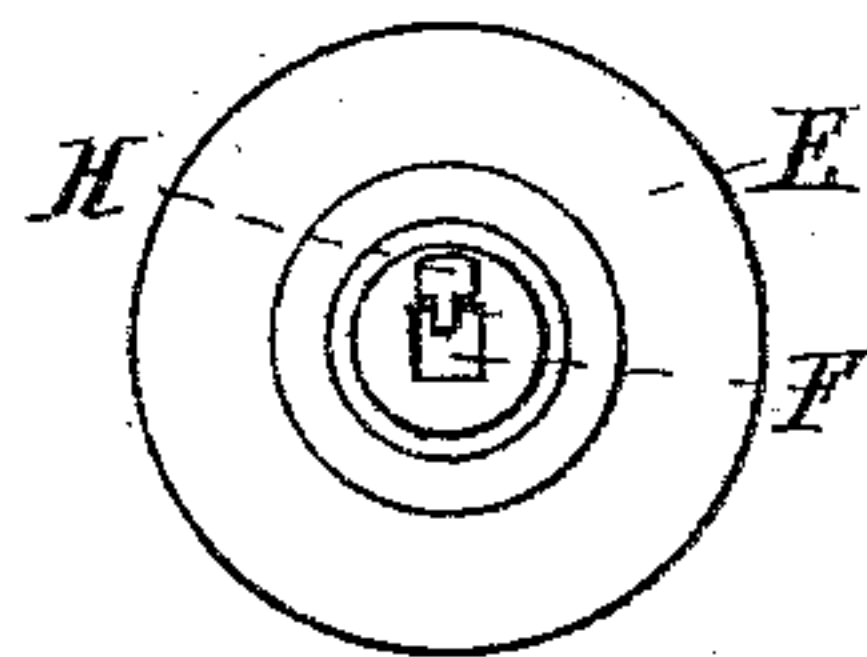
*Fig. 2.*



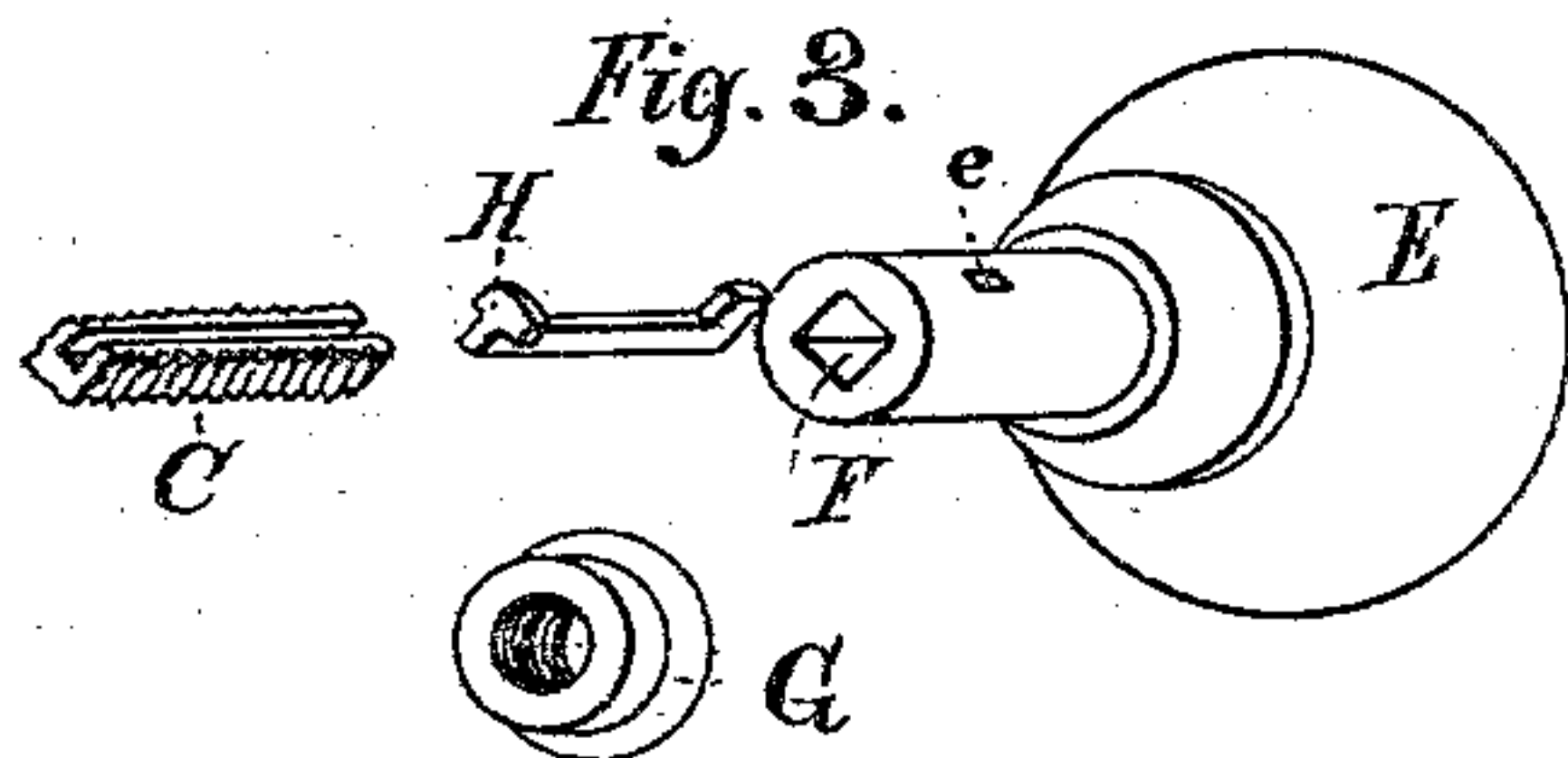
*Fig. 4.*



*Fig. 5.*



*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

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## DOOR-KNOB ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 280,877, dated July 10, 1883.

Application filed September 16, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR STODDARD, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Door-Knobs; and I do hereby declare that the following is a full, clear, and exact description of my invention, sufficient to enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional elevation of a portion of a door, with my improved knob-fastening shown in section. Fig. 2 is an elevation of the thumb-screw with the threaded grooved spindle and knob and neck with outer portion of double hook. Fig. 3 is a plan view of double hook, thumb-screw, knob, and neck with its opening, and a portion of the threaded slotted spindle. Fig. 4 is an end view of the knob, showing the spindle in section; and Fig. 5 is an end view of the knob and neck with the outer end of double hook in its groove in the spindle.

Similar letters of reference in the several figures of the drawings denote the same parts.

My invention relates to that class of door-knobs in which the knob-spindle is passed through the lock and operates the latch-bolt or lock-bolt, or both, the special features of my invention being apparent from the following description.

The object of my invention is to provide means for fastening the knobs to the spindle in such a manner as to admit of ready adjustment to doors of different thicknesses, and also avoiding any possibility of the knobs becoming loose on the spindle.

The invention consists, first, in providing the common square form of spindle with a longitudinal slot or groove on one of its sides and having its angles screw-threaded; secondly, in permanently fastening one lug of a double hook in the neck of the knob, the other end with its lug projecting some distance beyond the neck of the knob to receive and hold in

place an open-threaded screw-nut; thirdly, in the threaded screw-nut held in position by the outer lug of the hook, for the purpose of drawing the knob to the required position on the spindle.

In the drawings, A represents a door; B B, the roses; C, the spindle; D and E, the knobs; F, the opening in the neck of the knob. G is the open-threaded thumb screw or nut. H is the double hook. *b* is the opening through the rose, and *e* is the slot in the neck of the knob to receive and hold the inner lug of the double hook.

The operation is as follows: Place the thumb-screw G in the recess of the double hook formed by the neck of the knob and the outer lug of the double hook, and then insert the end of the spindle in the neck of the knob, with the double hook resting in the groove of the spindle, and then by simply turning the thumb screw or nut the knob is drawn to the required position on the spindle and firmly held in place thereby.

By this construction all possibility of the knob becoming loosened on the spindle is avoided, and it is easily adjusted to any required thickness of doors.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The door-knob adjustable to doors of any thickness, and firmly held together on the spindle by means of a longitudinal groove or slot in the spindle, and a double hook serving to connect the neck of the knob to an internally-threaded nut adapted to work on the spindle, substantially as set forth.

2. In door-knobs, the combination of the slotted square spindle C, threaded on its angles, with the thumb screw or nut G and double hook H, fastened in the neck of the knob, substantially as herein shown and described, and for the purposes specified.

OSCAR STODDARD.

Witnesses:

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EMMETT N. PARKER,