(Model.)

# R. S. WATSON.

## KNOB ATTACHMENT.

No. 276,942. Patented May 1, 1883.

Fig. 1.

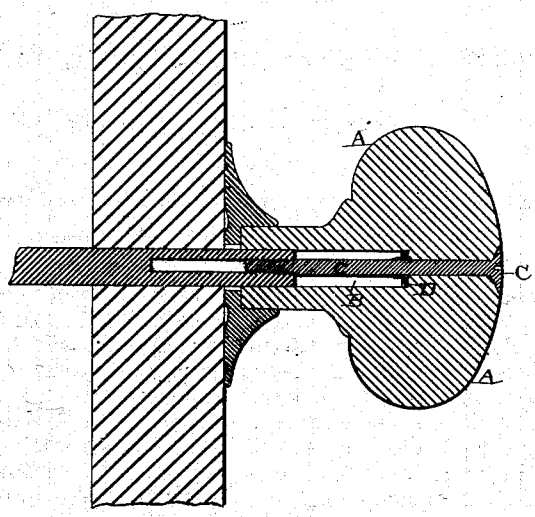
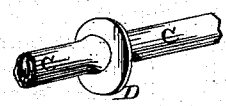



Fig. 2.




Witnesses.

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per
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# UNITED STATES PATENT OFFICE.

ROBERT S. WATSON, OF BAY CITY, MICHIGAN.

## KNOB ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 276,942, dated May 1, 1883.

Application filed October 26, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, R. S. WATSON, of Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Door-Knobs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in door-knobs; and it consists in the combination of the knob, having an opening through its center, with a screw, which is passed through the knob and swiveled therein, either by means of a washer or by spreading the screw, whereby the screw is allowed a rotary but no endwise movement, as will be more fully described hereinafter.

The object of my invention is to provide a means for positively adjusting the knob upon the spindle, so as to adjust the knob to the exact thickness of the door.

Figure 1 is a vertical section taken through the knob. Fig. 2 is a detail view.

A represents a knob, which may be made of any suitable material, and which has the socket B formed upon its inner side, so as to receive the end of the spindle. Passed through the center of this knob is the screw C, which will preferably have a conical head, made to fit a correspondingly-shaped seat in the knob. This screw has a washer, D, passed over its inner end, and then the screw is flattened or otherwise spread just above the washer to hold the washer in position at the inner end of the socket. If so desired, the washer may be dispensed with and the screw itself spread at the inner end of the socket, whereby the screw is allowed to be turned freely around, but is prevented from having an endwise movement through the knob. The spindle to which the knob is to be secured has a screw-socket formed in its end, and into which a screw is turned. As the screw is turned either back or forth the knob is adjusted endwise upon the spindle, so as to bring the inner end of the socket nearer to or farther from the surface of the door.

I am well aware that a screw has been passed through the knob into the spindle; but in no case has the screw been swiveled in the knob, as is here shown and described.

Having thus described my invention, I claim—

The combination of the door-knob having an opening through its center, a screw which is passed through the knob and provided with a suitable stop, substantially as shown, for preventing the screw from moving endwise through the knob, with the spindle, whereby the knob can be adjusted back and forth upon the end of the spindle, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT STEWART WATSON.

Witnesses:
O. WATERS,
S. T. THORNE.