

William A. Fenn's *Imp'd in Attaching Door Knobs to Spindles*

PATENTED JUL 11 1871

116941

fig. 1

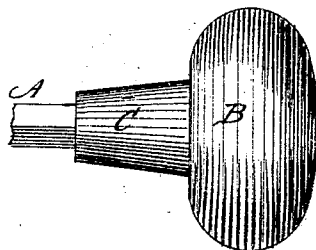


fig. 2

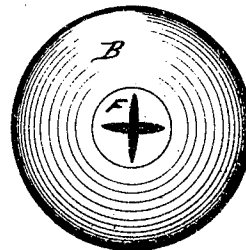


fig. 3

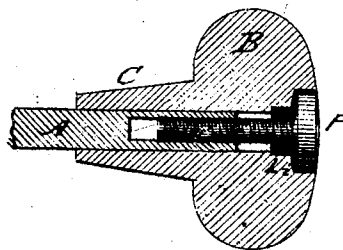


fig. 4

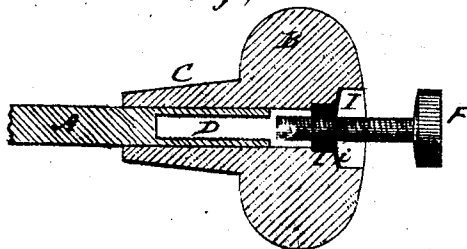
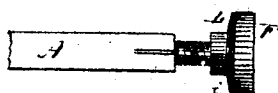


fig. 5



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM A. FENN, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN ATTACHING KNOBS TO THEIR SPINDLES.

Specification forming part of Letters Patent No. 116,941, dated July 11, 1871.

To all whom it may concern:

Be it known that I, WILLIAM A. FENN, of Rochester, in the county of Monroe and State of New York, have invented a new Improvement in Attaching Door-Knobs to Spindles; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1, a side view of the knob on the spindle; Fig. 2, a front view; Fig. 3, a longitudinal section, the knob secured to the spindle; and in Fig. 4, a longitudinal section, showing the manner of securing the knob.

This invention relates to an improvement in device for securing door-knobs to spindles and adjusting their length for different thicknesses of doors; and the invention consists in the construction of a knob perforated through to receive the spindle, the said spindle tapped to receive a screw which is inserted into the spindle through a nut which rests in the head of the knob, so that by turning the head of the screw hard down upon the said nut after the knob has been adjusted the knob will be fixed in that position.

A is the spindle, which passes through the latch in the usual manner. Onto the spindle the knob B is placed, which, by this construction, I am enabled to form in one and the same piece with the neck C. I construct the knob with a perforation centrally through the neck and knob for admission of the spindle, as in Fig. 4. I drill

and tap into the end of the spindle for the insertion of a screw, E, the head F of which is outside the knob and fits closely into the recess I, formed for the purpose in the face of the knob. I also form a seat in the knob to admit a nut, L, with a flange, i, as denoted in solid black, Figs. 3 and 4, through which the screw E passes. For convenience of turning the screw I nick the head, and, to make the head ornamental, I form transverse slots for insertion of a screw-driver, as seen in Fig. 2.

To adjust the knobs, I fix one knob to the spindle, then pass the spindle through the door and set the other knob onto the spindle and press it up to a bearing; then withdraw the screw from the nut until the nut can be set into its seat without the screw hitting the end of the spindle, as seen in Fig. 4; then run the screw in, the thread catching and running into the spindle until the head of the screw is firmly set in the seat against the nut I, as seen in Fig. 3, the nut I serving as a "jam-nut" to prevent the accidental removal of the screw by jarring or otherwise.

I claim as my invention—

The spindle A, constructed to receive the screw E, combined with the knob B having the nut L arranged therein, so that the head of the screw may be drawn hard down upon the said nut to fix the position of the said knob, substantially as described.

WM. A. FENN.

Witnesses:

JOHN H. SHUMWAY,
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