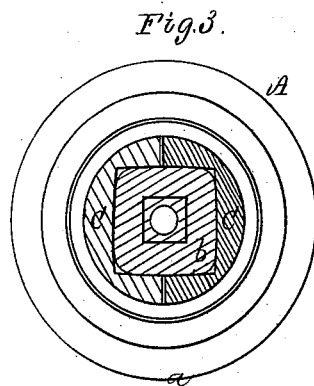
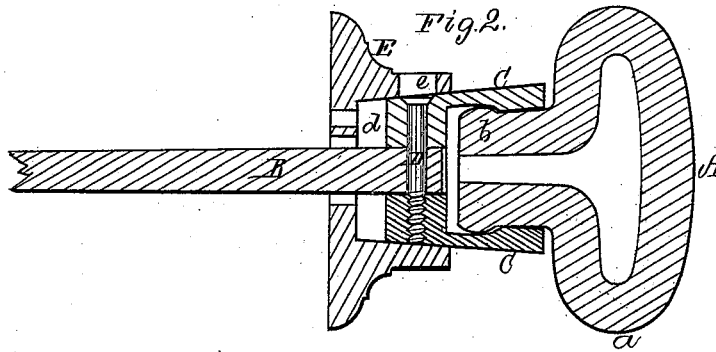
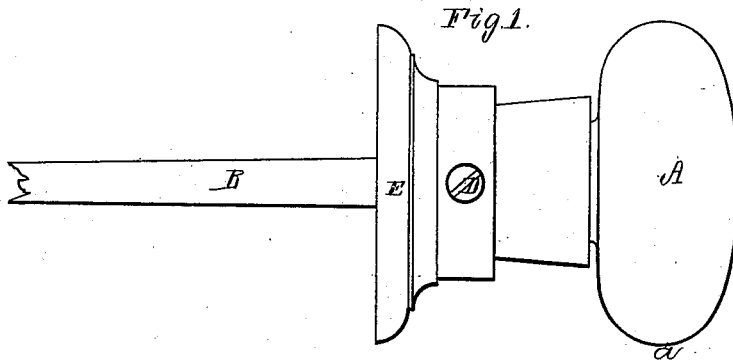


P. BRADY.
 Door Knob and Shank Attachment.

No. 201,906.

Patented April 2, 1878.



Witnesses.
S. C. Piper.
L. W. Moller.

Inventor
Patrick Brady.
 by his attorney
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UNITED STATES PATENT OFFICE.

PATRICK BRADY, OF CAMBRIDGEPORT, MASSACHUSETTS.

IMPROVEMENT IN DOOR-KNOB AND SHANK ATTACHMENTS.

Specification forming part of Letters Patent No. **201,906**, dated April 2, 1878; application filed February 15, 1878.

To all whom it may concern:

Be it known that I, PATRICK BRADY, of Cambridgeport, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Door-Knob and Spindle Attachments; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a longitudinal section, and Fig. 3 a transverse section, of a knob and shank with my improved attachment and socketed washer.

My invention relates to means of securing a glass knob to a metallic spindle. With such means I use a chambered and perforated washer or cap, to be fastened to a door having its lock provided with such knob and spindle, connected as described.

In carrying out my invention as represented, the glass knob *A* is made with a round head, *a*, and a prismatic neck, *b*, to connect such head with the handle part *c*. The head projects laterally beyond the neck. To embrace the said head and neck, and to aid in connecting the shank *B* to the glass knob, are two socketed pieces or halves (*C C*) of a conic frustum, they being recessed or socketed to receive the head and properly fit to the neck, and also to receive the shank or spindle *B*, in manner as represented. These socketed semi-frustums are connected together and to the shank *B* by a screw, *D*, which goes through the said shank and one of the parts *C C*, which is socketed or countersunk to receive the screw-head, and screws into the other of them.

The parts *C C*, besides being recessed to receive the shank, should, with the head and neck of the knob, be so made that, when the said parts *C C* embrace and are fastened in place on the said head and neck, the knob shall be firmly secured to them, and be held from being drawn out of or revolved within them.

With the aforesaid knob and shank attachment I use a chambered washer or cap,

E, formed as shown. It is to encompass and receive in its chamber *d* the parts *C C*, in manner as represented, and it is to be fastened to the door by screws going through holes in the bottom of the chamber, or by other suitable means. It encircles or is concentric with the shank, and has a hole, *e*, through the side of the chamber, such hole being for enabling the screw to be inserted in the parts *C C* and the shank, or to be removed therefrom, as occasion may require, such being done while the bolt of the shank is retracted. When the bolt is advanced the chamber will cover the screw, so as to prevent it from accidentally unscrewing and dropping out of place.

My knob and shank attachment renders it unnecessary to use lead or molten metal in connecting the glass knob to the socketed metallic part to which the spindle is usually fixed. In case of breakage of a knob it will, with such attachment, be an easy matter to replace it by another.

I claim—

1. In combination with the knob *A*, constructed or provided with the head and neck, substantially as described, the socketed metallic semi-frustums or parts *C C*, applied to it, as set forth.

2. In combination with the shank or spindle *B*, and with the knob *A*, constructed or provided with the head and neck, substantially as described, the connection-screw *D* and the two socketed semi-frustums or parts *C C*, applied to such knob and spindle, essentially as specified.

3. The combination of the chambered cap *E*, provided with the hole *e*, leading through the side of its chamber, with the shank or spindle *B*, the connection-screw *D*, and the semi-frustums or parts *C C*, arranged and applied to the knob substantially as explained.

PATRICK BRADY.

Witnesses:

R. H. EDDY,
JOHN R. SNOW.