S. HILER.

Knob for Doors.

No. 160,908. Patented March 16, 1875.

Fig. 1.

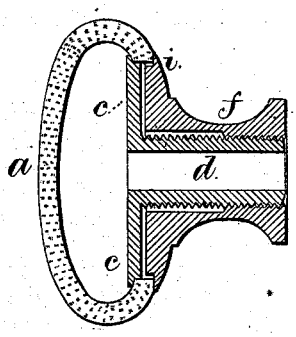
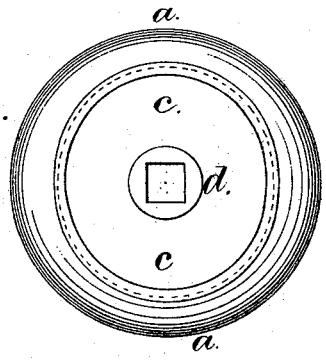


Fig. 2.



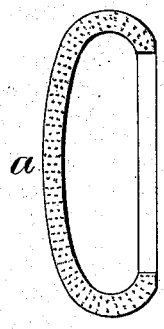


Fig. 3.

Witnesses
Chas. H. Smith
Geo. T. Quickney

Inventor
Selah Hiler
per Lemuel W. Serrell
atty.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

SELAH HILER, OF NEW YORK, ASSIGNOR TO WILLIAM IRWIN MARTIN, OF BROOKLYN, N. Y.

IMPROVEMENT IN KNOBS FOR DOORS.

Specification forming part of Letters Patent No. **160,908**, dated March 16, 1875; application filed August 1, 1874.

To all whom it may concern:

Be it known that I, SELAH HILER, of the city and State of New York, have invented an Improvement in Knobs for Doors, &c., of which the following is a specification:

Knobs for doors have been made of glass and silvered, and the metallic shank has been attached in the cavity at the back of the knob by plaster, and in some instances the ornamental knob has been made to receive a glass disk secured at its edges to the metal of the back and shank.

My invention relates to a knob having a glass head and metal shank, the glass head having an opening in the back sufficiently large to allow of the interior of the glass being engraved and ornamented. The opening at the back in the glass is not circular, but of greater diameter in one direction than the other, in order that the flange of a screw-shank may be introduced thereinto, and secured by a sleeve and flange that is screwed upon the shank and firmly grasps the glass, so that the three parts are held together in the most reliable manner.

In the drawing, Figure 1 is a section of the knob complete. Fig. 2 is a rear view of the knob with the shank inserted therein, and Fig. 3 is a section of the glass head.

The glass head *a* is of any desired external size or shape. It is hollow, but the back is open, as shown in Fig. 3, in order that there may be free access for silvering and for engraving, etching, or otherwise ornamenting the inner surface of the glass. The opening at the back of the glass head is longer in one direction than the other, in order that the flange *c* of the shank *d* may be inserted into the opening and then turned around, so that the edges of the flange *c* lap considerably upon the inner edges of the glass. Upon the outside of the shank *d* is a screw-thread to fit the screw-sleeve *f* that forms the exterior of the shank, and also is provided with a flange, *i*, entirely covering the opening in the back of the glass knob, and extending upon the surface of the knob sufficiently to form a smooth finish thereto. In the shank *d* there is the usual hole for the reception of the square spindle, and there may be plaster or cement inserted between the flanges *c* and *i*, if desired.

It will generally be preferable to employ glass knobs with oval openings in the back, but they may be polygonal.

I claim as my invention—

1. The glass head of the knob made with an opening at the back of longer diameter in one direction than in the other, in combination with the shank *d*, flange *c*, screw-sleeve *f*, and flange *i*, substantially as set forth.

2. A glass knob made hollow, and connected to the metallic shank by a clamp that acts to confine the inner edges of the glass between two metallic surfaces, substantially as set forth.

Signed by me this 30th day of July, A D. 1874.

S. HILER.

Witnesses:
GEO. T. PINCKNEY,
CHAS. H. SMITH.