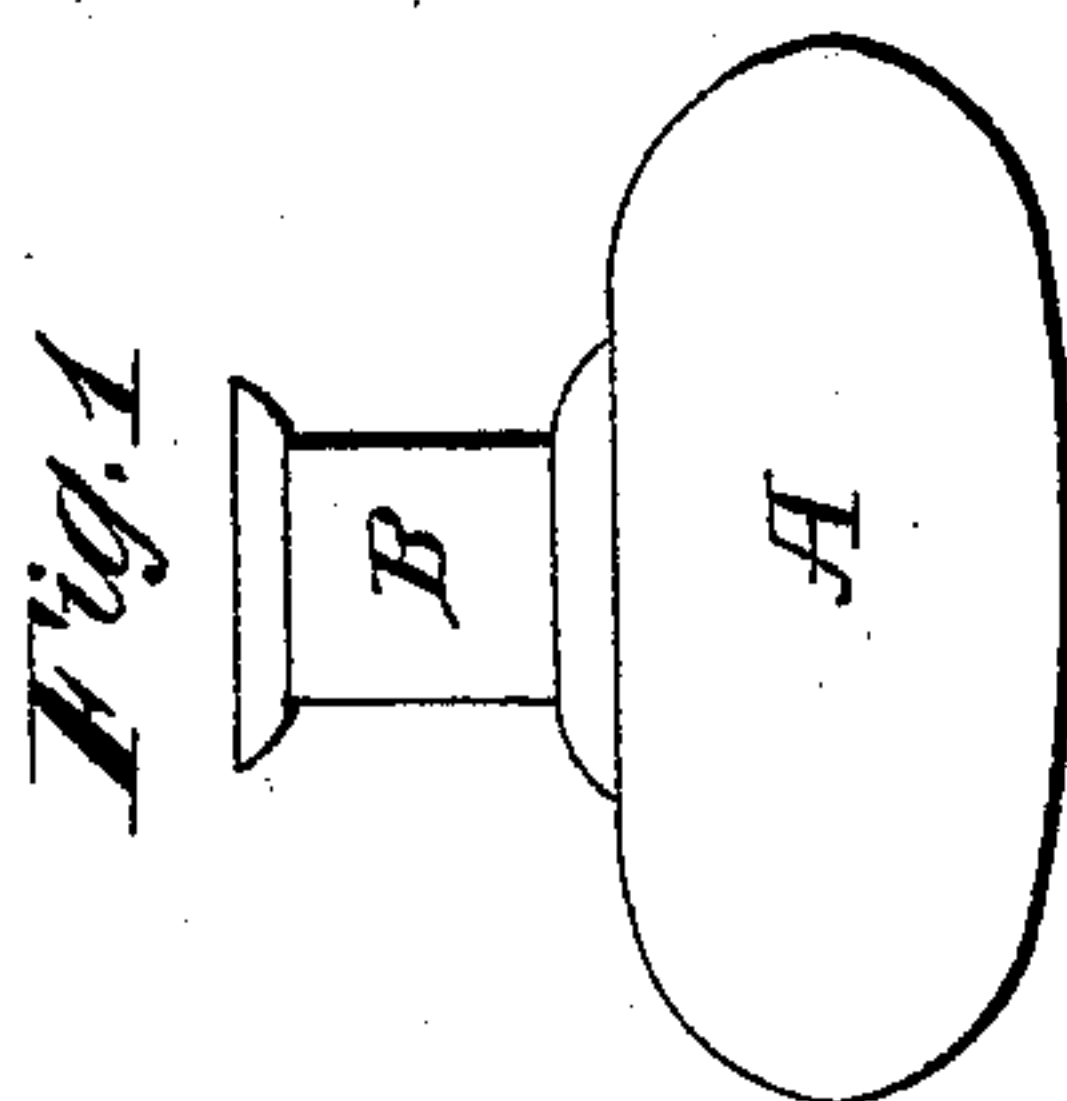
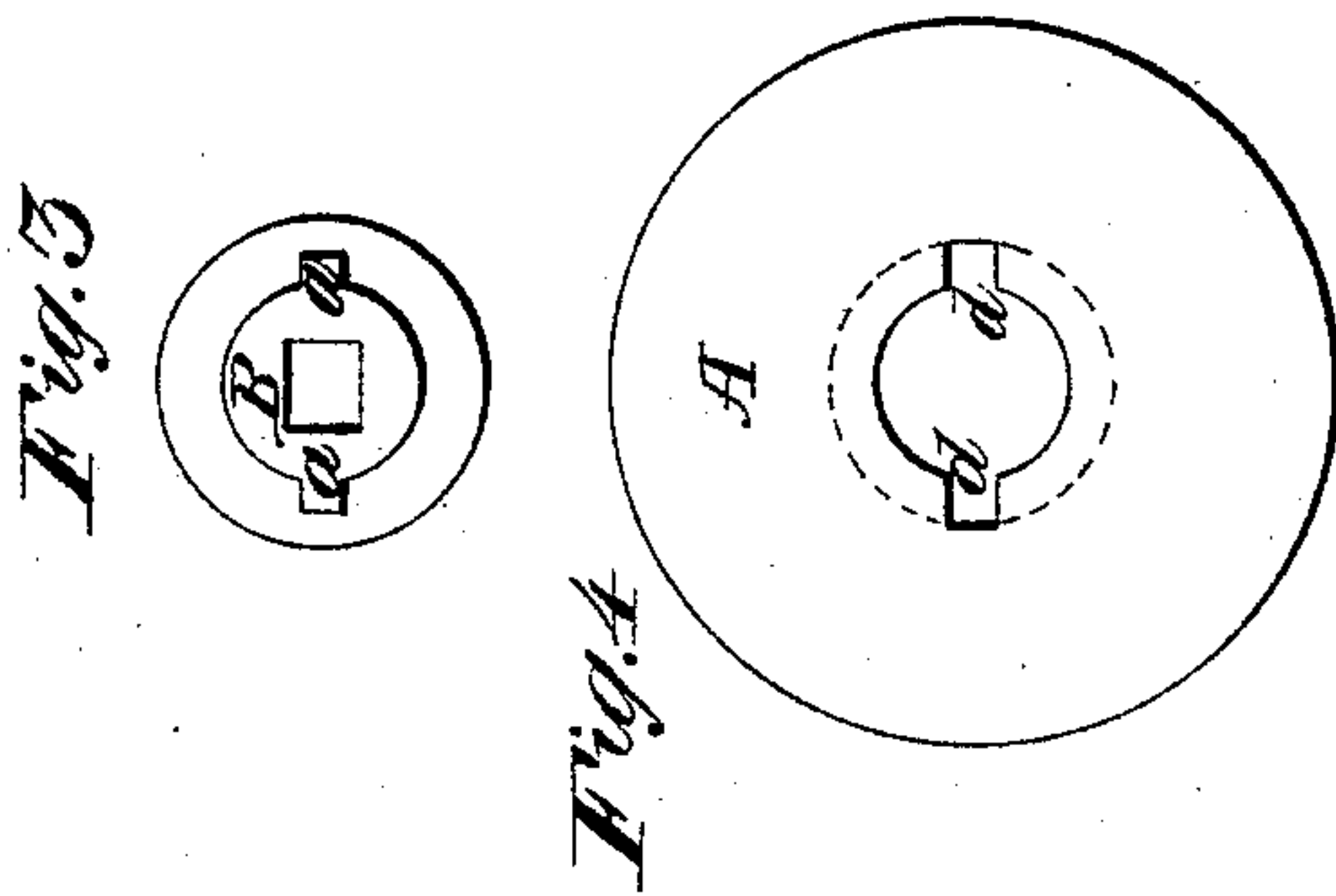
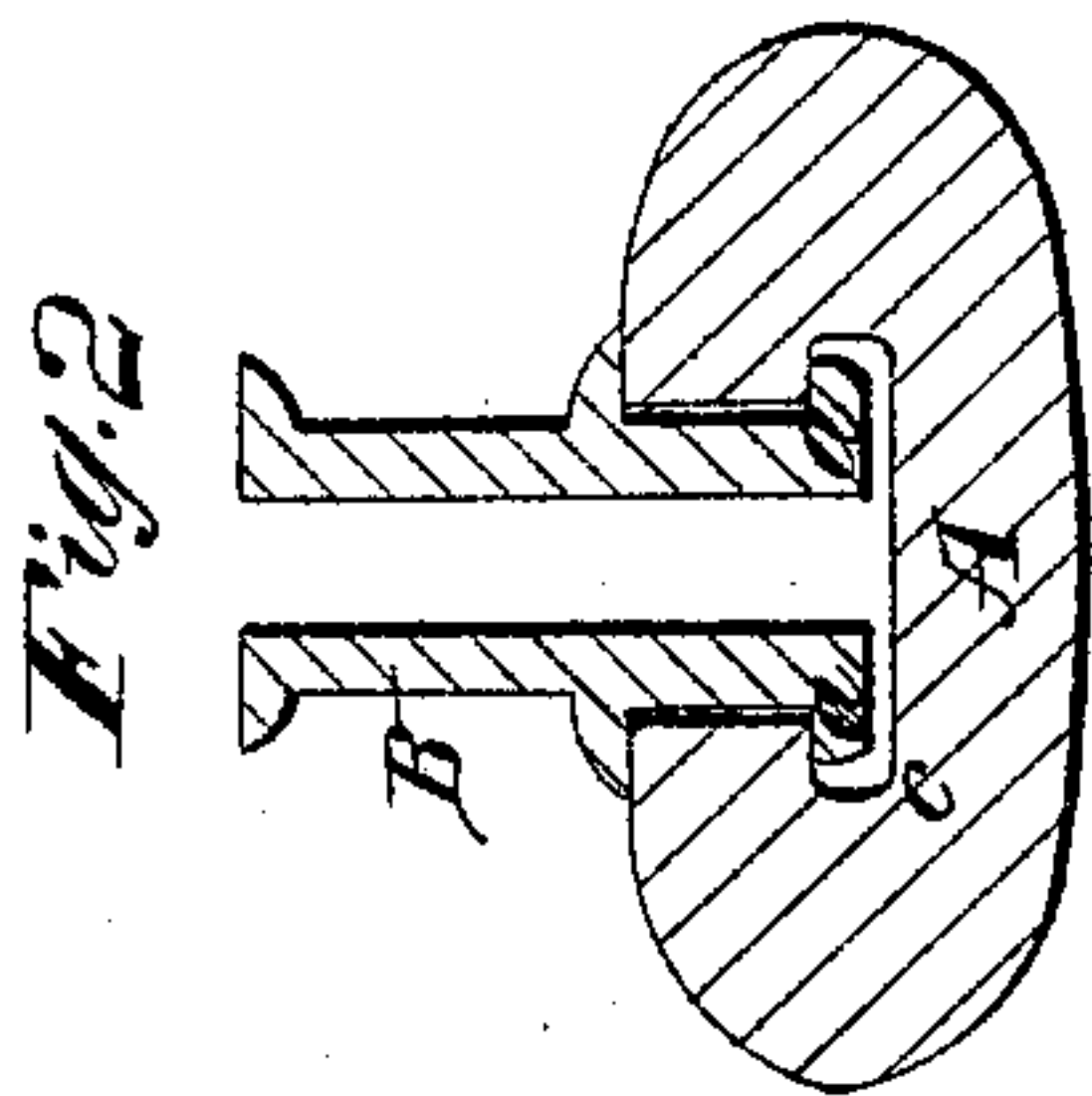


*T. Kennedy,*  
*Securing Necks to Knobs.*  
*N<sup>o</sup> 45,836.      Patented Jan. 10, 1865.*



*Witnesses:*

*Emory Hearing*  
*Rufus Sanford*

*Inventor:*

*Thomas Kennedy*  
*By his atty*  
*John E. Early*

# UNITED STATES PATENT OFFICE.

THOMAS KENNEDY, OF BRANFORD, CONNECTICUT.

## SECURING THE NECKS TO DOOR-KNOBS.

Specification forming part of Letters Patent No. 45,836, dated January 10, 1865.

*To all whom it may concern:*

Be it known that I, THOMAS KENNEDY, of Branford, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Securing the Neck to Knobs; and I do hereby declare the following to be a full, clear, and exact description of the same when taken in connection with the accompanying drawings and the letters of reference marked thereon, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of a knob and neck complete; Fig. 2, a central section of the same; and Figs. 3 and 4 illustrate the construction of the two parts.

The principal objection to the use of mineral knobs is their liability to become loose upon or entirely detached from their neck, which difficulty arises from the manner of securing the knob to the neck, which has heretofore been done by means of cement, lead, or similar substance around the neck in the cavity of the knob, depending entirely upon the strength of such cement, &c., holding in indentation made both in the neck and cavity of the knob. My invention is designed to overcome this serious objection.

And to enable others skilled in the art to make my improvement, I will proceed to fully describe the same, as illustrated in the accompanying drawings.

A is the knob. B the neck, which externally, as seen in Fig. 1, are similar to ordinary knobs. I form the lower or inner part of the neck with one or more projecting ears *a a*, or their equivalents. (See Figs. 2 and 3.) Within the knob, at the proper distance from the outside, I form a channel, *c*, and cut as many grooves *d* from the outside down to the said channel as there are ears *a* on the neck; then fill or partially fill the cavity in the knob with cement or any substance answering the same purpose; then set the ears of the neck into the grooves *d*, and press down into the channel *c*, as seen in Fig. 2, turn the neck partially around so that the ears shall set under the solid part of the knob, as in Fig. 2, and then leave the neck until the cement has become hard. Then the neck and knob cannot be separated without breaking the knob.

My invention, though designed more particularly for door-knobs, is equally applicable to securing all knobs which are first formed independent of the neck. Therefore,

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

Securing the neck to knobs, substantially as and for the purpose herein set forth.

THOMAS KENNEDY.

Witnesses:

JOHN E. EARLE,  
RUFUS SANFORD.