

J. W. Bliss,
Knob Attachment.
N^o 15,367. Patented July 22, 1856.

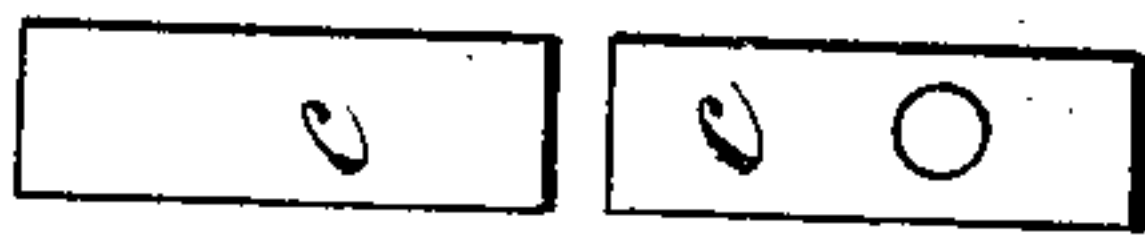
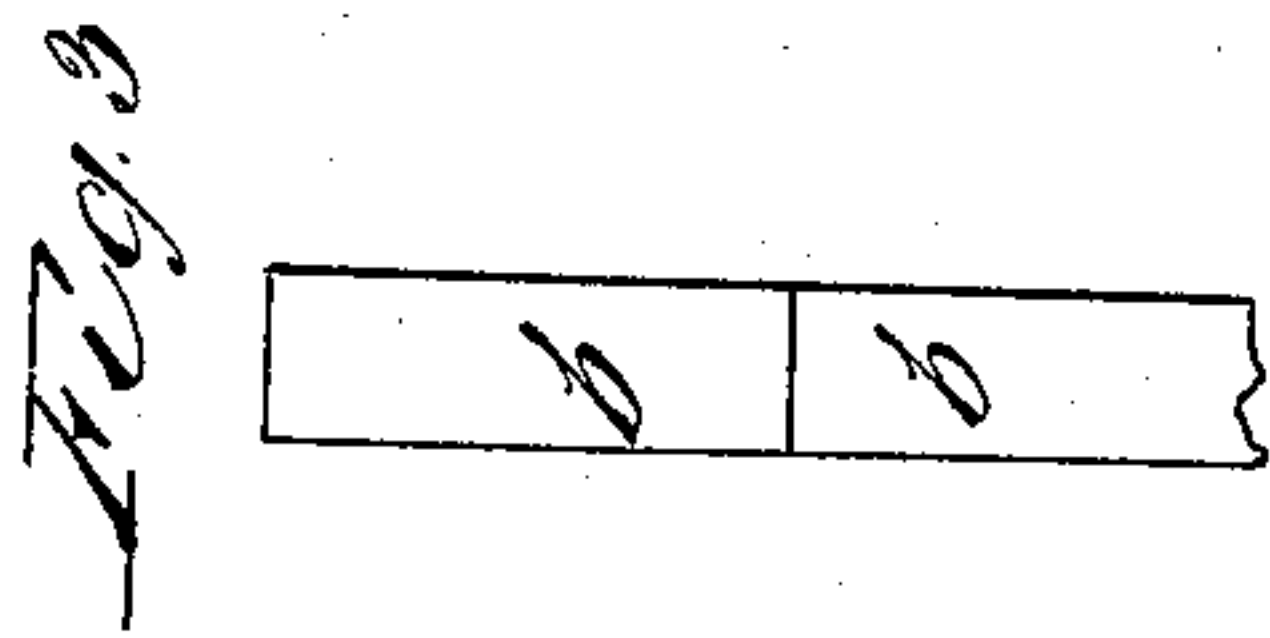
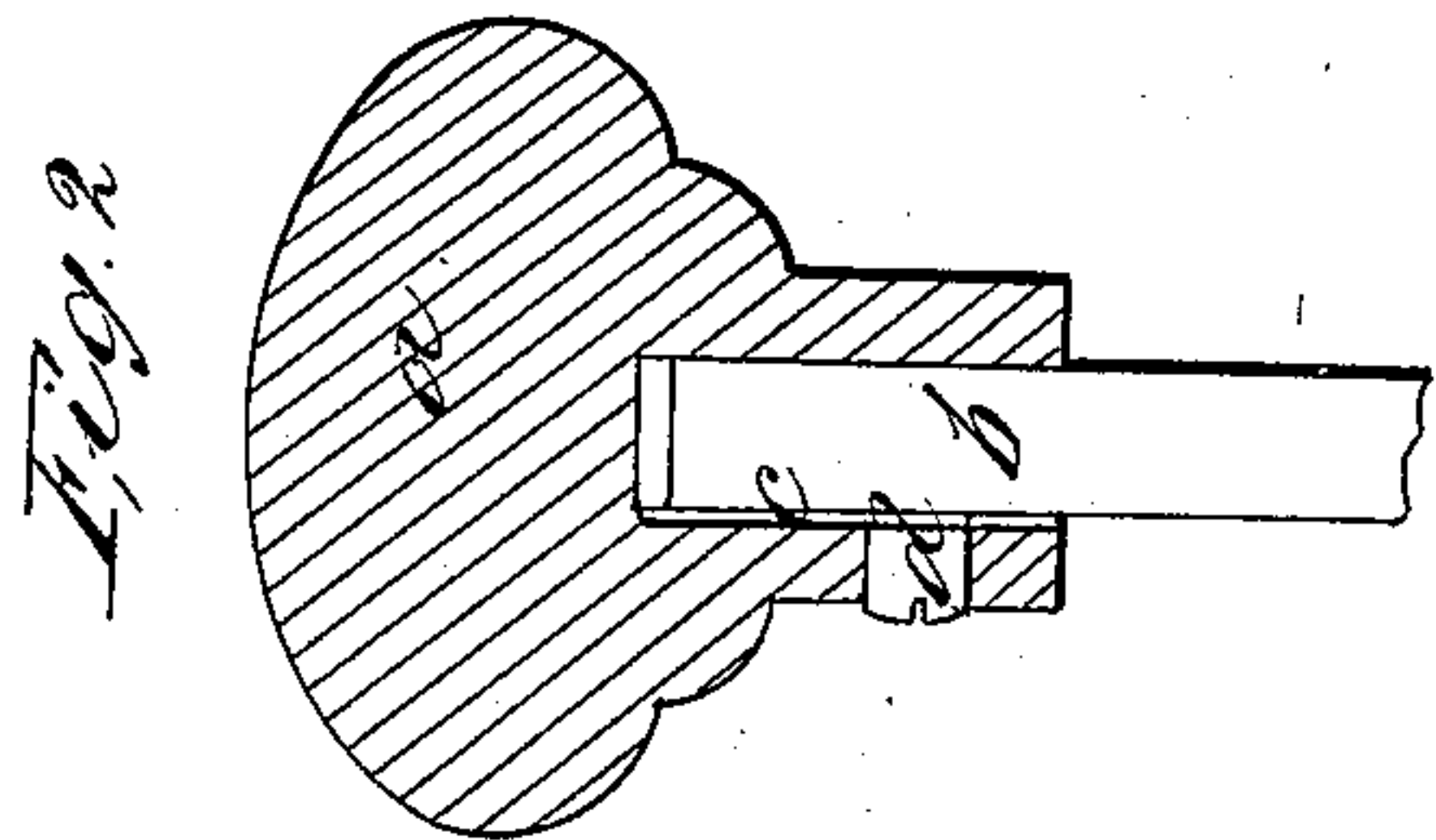
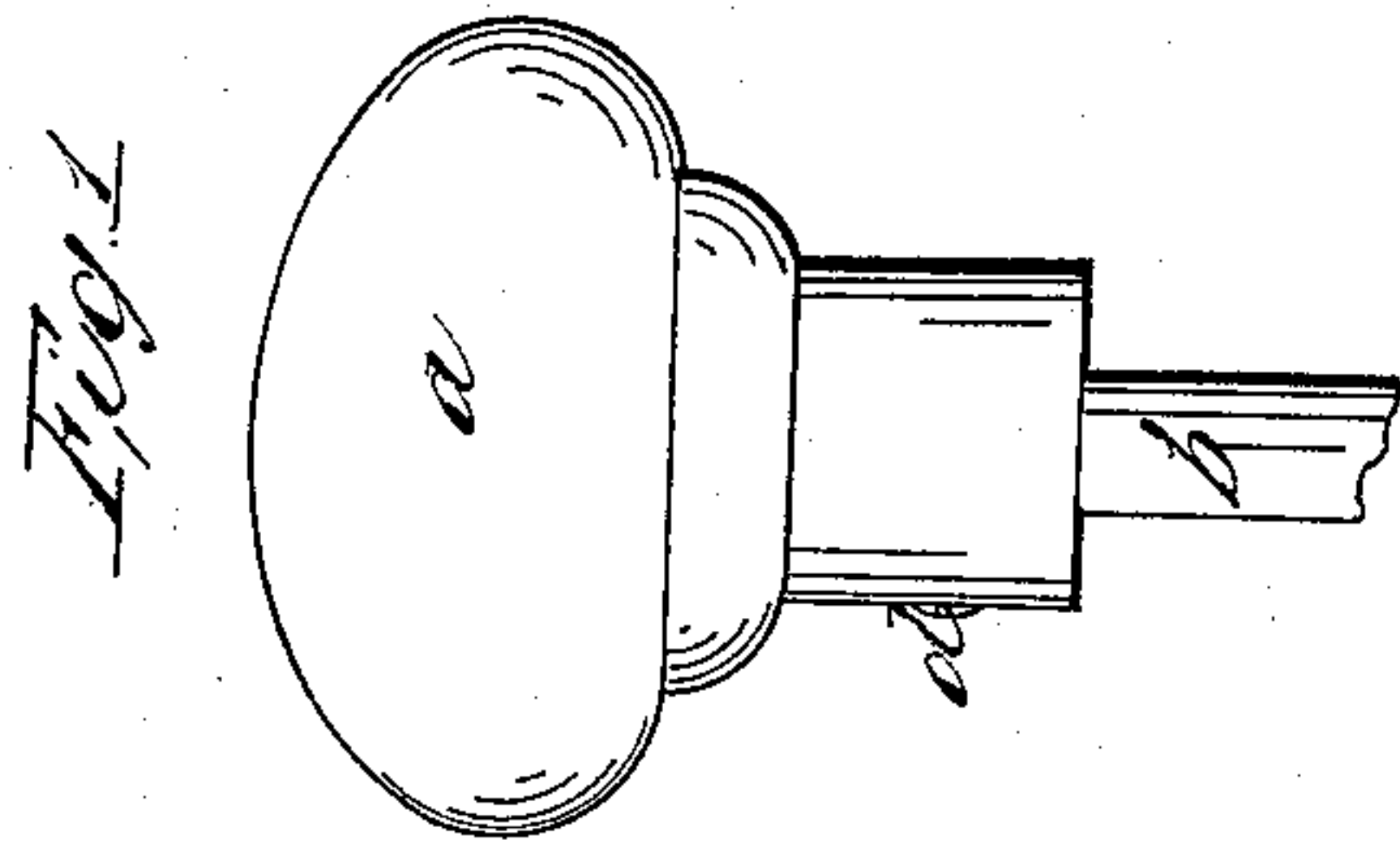


Fig. 5

Fig. 6

UNITED STATES PATENT OFFICE.

JEREMY W. BLISS, OF HARTFORD, CONNECTICUT.

DOOR-KNOB.

Specification of Letters Patent No. 15,367, dated July 22, 1856.

To all whom it may concern:

Be it known that I, JEREMY W. BLISS, of Hartford, county of Hartford, and State of Connecticut, have invented a new and useful
5 Improvement in Adjustable Door Knobs or Spindles; and I do hereby declare that the same as described and represented in the following specification and drawings is sufficient to enable others skilled in the art to
10 make and use the same.

I will proceed to describe the construction and use referring to the drawings in which the same letters indicate like parts in each of the figures.

15 The nature of my invention consists in placing an intermediate piece between the spindle and the inside of the orifice of the knob, so as to easily adjust the knob to a thick or thin door.

20 *a*, Figure 1, in the accompanying drawings shows a knob made in the usual way; *b*, a portion of the spindle projecting therefrom;

In Fig. 2, *a* is a sectional view of the
25 knob; *b*, the spindle; *c*, the intermediate piece; *d*, the set screw.

Fig. 3, *b*, is a portion of the spindle showing the cut or ruck surface which enters the orifice of the knob.

30 Fig. 4, *c*, shows the back side of the intermediate piece having a counter sink for the end of the set screw *d*.

Fig. 5, *c*, shows the face side of the intermediate piece having its surface cut or

rucked corresponding with the cut or rucked 35 surface on the spindle.

I make my spindles of the ordinary length and size, and cut or ruck the surface at one or both ends of the spindle as shown in Figs. 2 and 3, and make the intermediate 40 piece in length corresponding to the depth of the orifice in the knob, the width the same as the spindle, and in thickness suitable to make it tenacious, one surface cut or rucked, the other having a countersink at 45 such distance from the end of the knob as to secure it in its place. By this arrangement it will readily be seen that a limited, accurate, and fixed adjustment may readily be made which in all other arrangements they 50 either work loose or cannot be properly adjusted so that there will be a rattle in the door lock or latch, so much so that it has become a great desideratum among dealers to perfect and supply their orders with good 55 substantial articles for their several purposes, as one of which this may be reckoned.

What I claim therefore and desire to secure by Letters Patent, is—

The employment of the intermediate piece 60 *c*, having a cut or rucked surface corresponding to and secured upon the spindle by the set screw *d* at any desired point in the manner herein described.

JEREMY W. BLISS. [L. s.]

Witnesses:

HENRY FRANCIS,
WM. H. SUMMER.