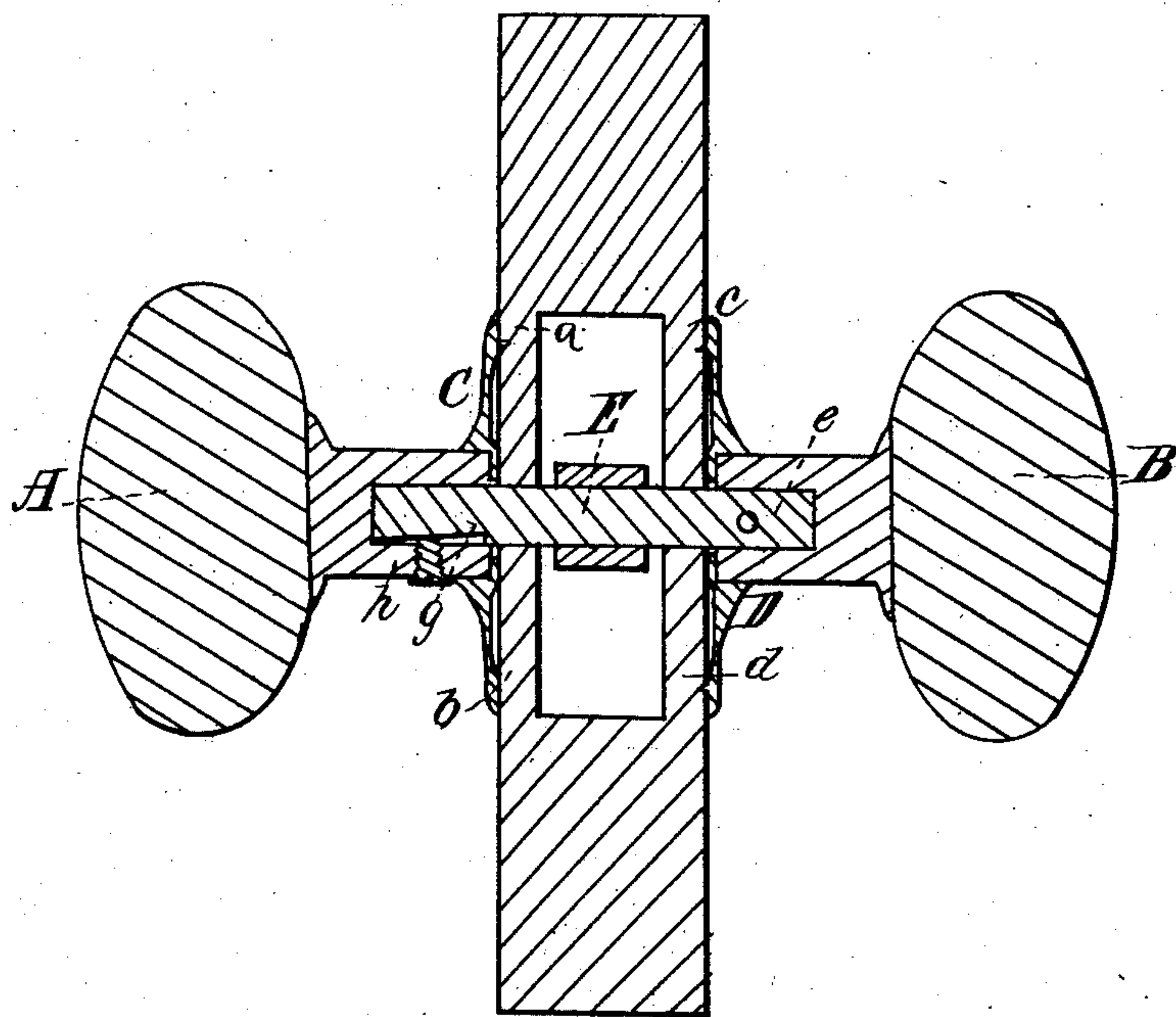


C. B. Bristol,
Knob Attachment.
N^o 62,599. Patented Mar. 5, 1867.



Witnesses.

Wm. H. Andrews
R. L. Hyndes

Inventor.

Chas. B. Bristol

United States Patent Office.

CHARLES B. BRISTOL, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 62,599, dated March 5, 1867.

IMPROVEMENT IN ATTACHING DOOR-KNOBS TO THEIR SPINDLES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES B. BRISTOL, of the city and county of New Haven, in the State of Connecticut, have invented a new and useful Improvement in Knob-Latches for Doors, etc.; and I do hereby declare that the following is a full, clear, and exact description of the construction, character, and operation of the same, reference being had to the accompanying drawing, which makes a part of this specification, which drawing represents a section cut longitudinally through the shaft or spindle of the apparatus while on the door as ready for use, showing the inclined plane on the inner end of the shaft or spindle, and the screw which rests upon it; also the spurs or points by which the roses may be steadied on the door.

My improvement consists in fitting one end of the spindle or shaft with an inclined plane, on which the end of the binding-screw rests to hold the knob in whatever place it may be set, so as to entirely dispense with washers and with screw holes in the shaft.

I make the knobs A and B, the spring-bolt, and the roses C and D in any of the usual ways, except that I may have spurs or points on the roses near their peripheries, as shown at *a, b, c,* and *d*; which, by being pressed into the wood, as indicated in the drawing, may serve the purpose of screws when the stile of the door is very thin, but screws may at all times be used either with or without the spurs. I make the shaft or spindle E to fit the neck of one of the knobs, as B, in the usual way, as shown at *e*, and the other end, (for the inner side of the door,) on to which the neck of the knob A is to be secured, I make with an inclined plane on one of its sides, as shown at *g*, on to which inclined plane the binding-screw *h* (which is tapped into the neck of the knob) is to be screwed to hold the knob A in the desired position or location on the shaft or spindle E.

Having made and arranged the parts as before described, and fitted the latch-box or frame into the door, and secured the roses C and D, all in the usual way, I pass the end *g* of the spindle E through the door, &c. I then slip the neck of the other knob A on to the end *g* of the spindle E, and press it as tight against the rose C as is desired, and turn in the screw *h* (which is tapped into the neck of the knob) so as to press on the flat surface of the inclined plane *g*, and hold the knob A perfectly firm, and so that it cannot slip so as to loosen the knob; and if (by the shrinking of the door or any other cause) there should at any time be too much end chase to the spindle E, the screw *h* may be turned back, (so that it will cease to bind,) and the knobs be pressed towards each other, and the screw *h* be turned in again, as before, so that no washers or screw holes in the spindle will ever be needed in any case; thus I save all the expense for washers and for drilling and tapping holes.

What I claim as my invention, and desire to secure by Letters Patent, is—

The use of the inclined plane *g*, in combination with the screw *h* and the neck of the knob A, when they are constructed, connected, and made to secure the knob A in the desired position on the spindle, substantially as herein described and set forth.

CHAS. B. BRISTOL.

Witnesses:

WM. H. ANDREWS,

R. FITZGERALD.