

No. 652,950.

Patented July 3, 1900.

R. P. DAGGETT.
KNOB ATTACHMENT.

(Application filed Jan. 8, 1900.)

(No Model.)

Fig. 1.

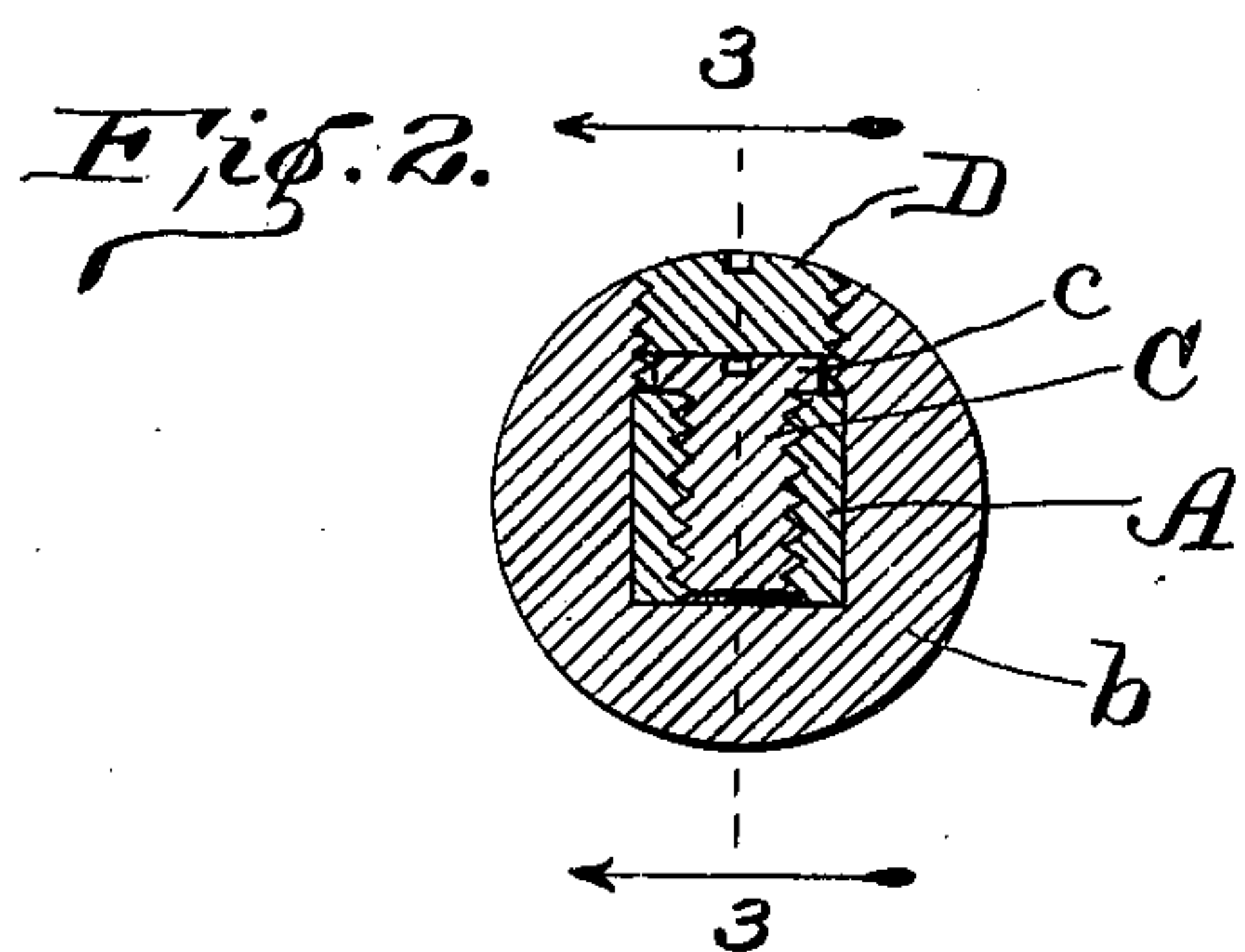
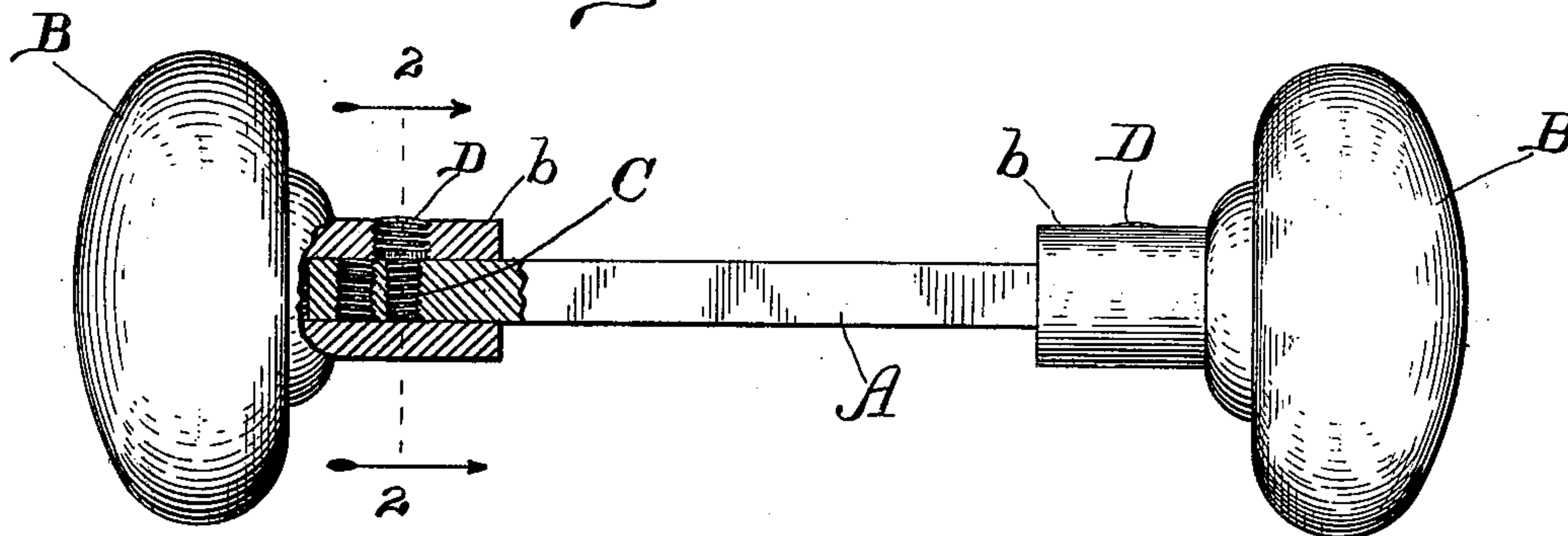
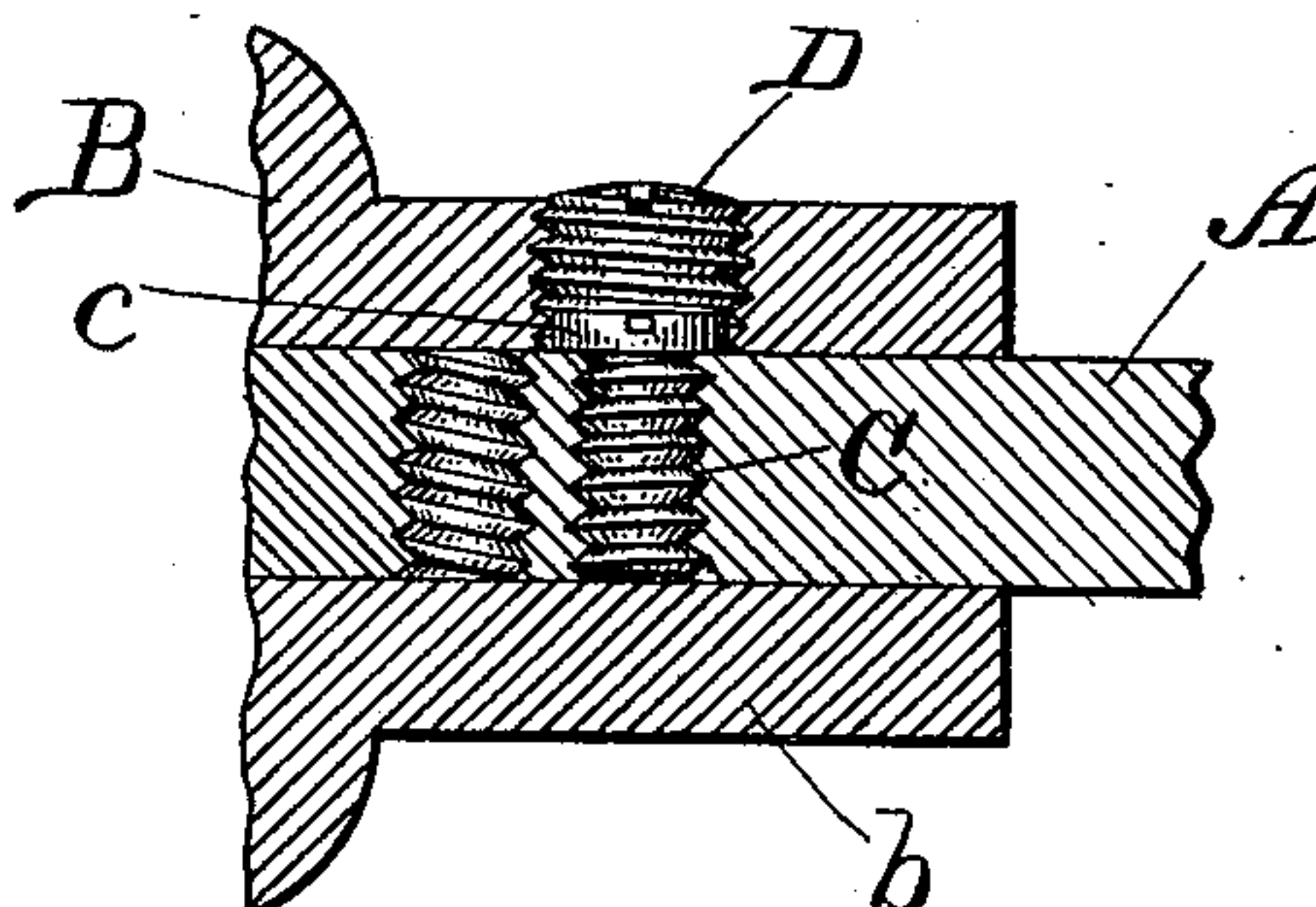


Fig. 3.



WITNESSES:

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KNOB ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 652,950, dated July 3, 1900.

Application filed January 8, 1900. Serial No. 732. (No model.)

To all whom it may concern:

Be it known that I, ROBERT P. DAGGETT, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Knob and Spindle Connectors, of which the following is a specification.

In the ordinary construction of lock-spindles and door-knobs much difficulty has been experienced in the matter of securing the parts together effectively, as the ordinary screws by which the connection is commonly made have a strong tendency to work out and become lost, when, as is well known, the knobs are liable to fall or be pulled off. Such contrivances as have been devised to remedy this difficulty have usually been too expensive for general use.

The object of my invention is to produce a device capable of holding the spindles and knobs securely together and at trifling, if any, additional expense over the means most commonly employed.

Said invention will be first fully described and the novel features thereof then pointed out in the claims.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters indicate similar parts, Figure 1 is a side elevation of an ordinary lock-spindle and door-knobs assembled in the usual relation, a portion of the structure being broken away to show the fastening means which embodies my invention; Fig. 2, a transverse vertical sectional view, on an enlarged scale, as seen from the dotted line 2 2 in Fig. 1; and Fig. 3, a view similar to the sectioned portion of Fig. 1, but on the same scale as Fig. 2.

In said drawings the portions marked A represent an ordinary door-spindle, B B the usual door-knobs, and C and D fastening-screws.

The spindle A is in no respect different from that ordinarily employed in door locks and latches and consists of a straight bar passing through the lock or latch and having screw-threaded perforations at or near the ends, into which fastening-screws for uniting the knobs thereto may enter. The knobs are or may be likewise of any ordinary or well-known form and include suitable shanks b. Said

shanks also have screw-threaded perforations, preferably larger in diameter than the perforations in the spindles A, to receive the binding-screws D.

The screws C are substantially the ordinary screws which have heretofore been used for connecting the knobs to the spindles. They are, however, preferably slightly modified in construction, the heads c thereto being preferably flat and low, so as to rise just sufficiently above the surface of the spindle to engage with the inner end of the perforation in the shank of the knob, as is clearly shown in the drawings.

The binding-screw D should be larger in diameter than the screw C and may be similarly threaded, but is preferably threaded in the reverse direction, and is driven into the screw-threaded perforation in the knob down against the head c of the connecting-screw C, and thus locks the latter screw securely in place. As will be readily seen, if the screw C starts to work loose under the operation of the knob and spindle it will at once impinge tightly against the inner end of the screw D, and the latter, especially when threaded in the reverse direction, will obviously strongly resist any outward movement of said screw C, such as a single screw when unprovided with a jam-screw is subject to.

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

1. The combination, of the knob having a shank with a socket, said shank having a screw-threaded perforation through one of its sides leading into said socket transversely thereof, a lock-spindle mounted in said socket and also provided with a transverse screw-threaded perforation arranged to register with said perforation in one side of said shank, the perforation in said shank being of one size and that in said spindle of a smaller size, and a screw mounted in said perforation in the spindle with its head projecting above its surface and into the perforation in the shank, whereby said spindle and shank are held against longitudinal movement one upon the other, and a jam-screw driven into the screw-threaded perforation in the shank against the head of the

screw in the spindle, whereby said screw is locked in place, substantially as set forth.

2. The combination, of the knob having a shank with a socket, said shank being formed
5 with a screw-threaded perforation in one side, a spindle mounted in said socket and having a screw-threaded perforation adapted to register with that of the shank, a screw mounted in the perforation in the spindle
10 with its head projecting into the perforation in the shank, and a jam-screw mounted in said perforation in the shank and driven

against the head of the screw in the spindle, said jam-screw being threaded reversely to the screw in the spindle, substantially as set forth. 15

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 5th day of January, A. D. 1900.

ROBERT P. DAGGETT. [L. S.]

Witnesses:

CHESTER BRADFORD,
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