(No Model.)

H. F. SAMPSON.

WASHER CONNECTION FOR DOOR KNOBS.

No. 435,250. Patented Aug. 26, 1890.

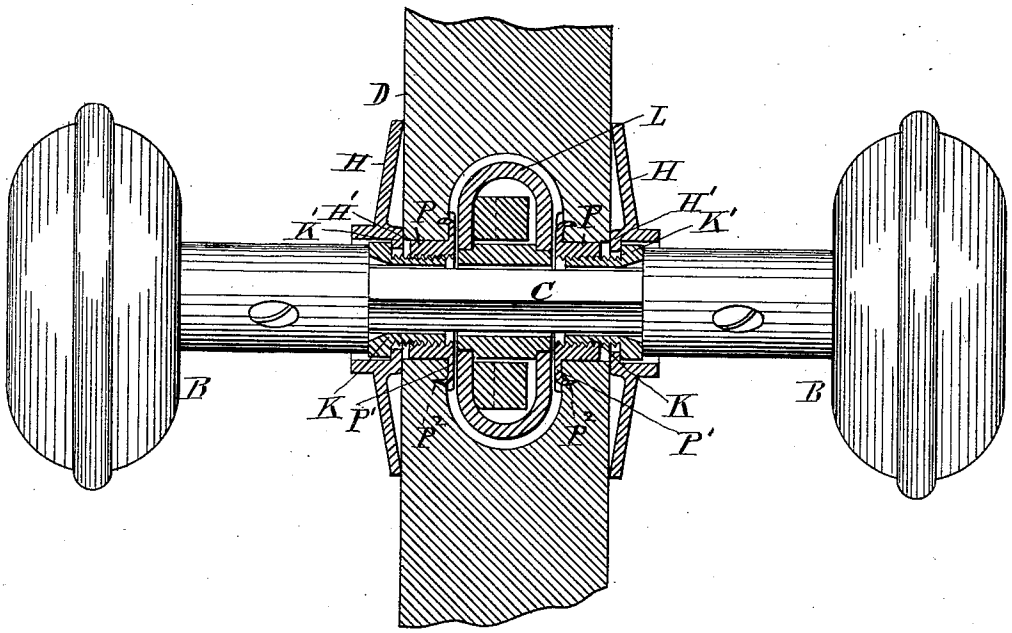


Fig. 1.

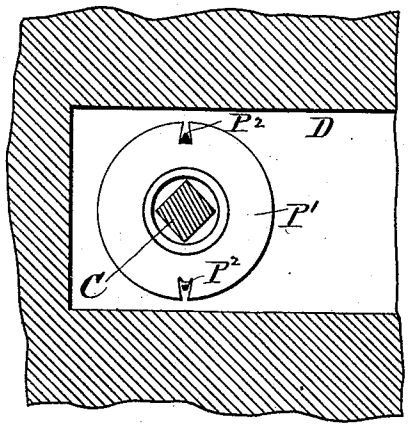


Fig. 2.

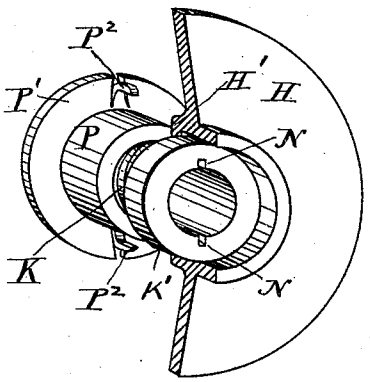


Fig. 3.

WITNESSES.
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UNITED STATES PATENT OFFICE.

HERBERT F. SAMPSON, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO JOHN L. ELLIS, OF SAME PLACE.

WASHER-CONNECTION FOR DOOR-KNOBS.

SPECIFICATION forming part of Letters Patent No. 435,250, dated August 26, 1890.

Application filed March 29, 1890. Serial No. 345,883. (No model.)

To all whom it may concern:

Be it known that I, HERBERT F. SAMPSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Washer-Connections for Door-Knobs, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to a method of fastening the washer of a door-knob to the door, the exact nature of which may be best understood by reference to the full specification, the object being to improve and simplify the construction and arrangement of the parts that form the washer and its connection. This object I attain by the mechanism shown in the accompanying drawings.

Figure 1 is a vertical section showing a part of a door with my device attached. Fig. 2 is a view in elevation showing the interior of the lock-mortise with my device attached. Fig. 3 is a detail perspective showing the application of my device.

In the drawings the door to which my device is attached is represented by D, and the lock or latch by L.

C is an ordinary spindle having at each end a knob B of any usual pattern. The washers H may be made of metal or of any other suitable material.

In washers adapted to my fastening I have a flange H′ projecting inwardly, as shown. This flange H′ engages with a corresponding flange K′ made on the screw-thimble K. The screw-thimble K engages with the screw in the interior of the flanged thimble P, and thus the two thimbles are held together. The flange P′ has a large bearing-surface, which rests against the wall of the lock-mortise, as shown in Figs. 1 and 2.

To prevent the flange thimble PP′ from turning around when the screw-thimble is being screwed in, I provide small spurs P^2, which will slightly penetrate the wood of the door. For convenience in turning or screwing the screw-thimble K, I have small notches N made in the interior.

In using my device the flange-thimbles PP′ PP′ are placed inside of the mortise in proper position before the lock or latch is put in. Then the washers H are applied and the screw-thimbles KK inserted and screwed up so as to draw the washers HH firmly to their places, and the spindle C may be inserted and the knobs BB attached in the usual manner.

It will be observed that the screw-bearing between the flange-thimble P and the screw-thimble K is quite long, so that the fastening may be adjusted to doors of varying thicknesses.

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

In washer-connections for door-knobs, the combination of the washer H, having a flange H′, the thimble P, having a flange P′, adapted to bear against the inner wall of the mortise, with the screw-thimble K, having a flange K′, said thimbles P and K and the flanges being adapted to coact to form a clamp for firmly attaching the washer to the door, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 27th day of March, A. D. 1890.

HERBERT F. SAMPSON.

Witnesses:

FRANK G. PARKER,

MATTHEW M. BLUNT.