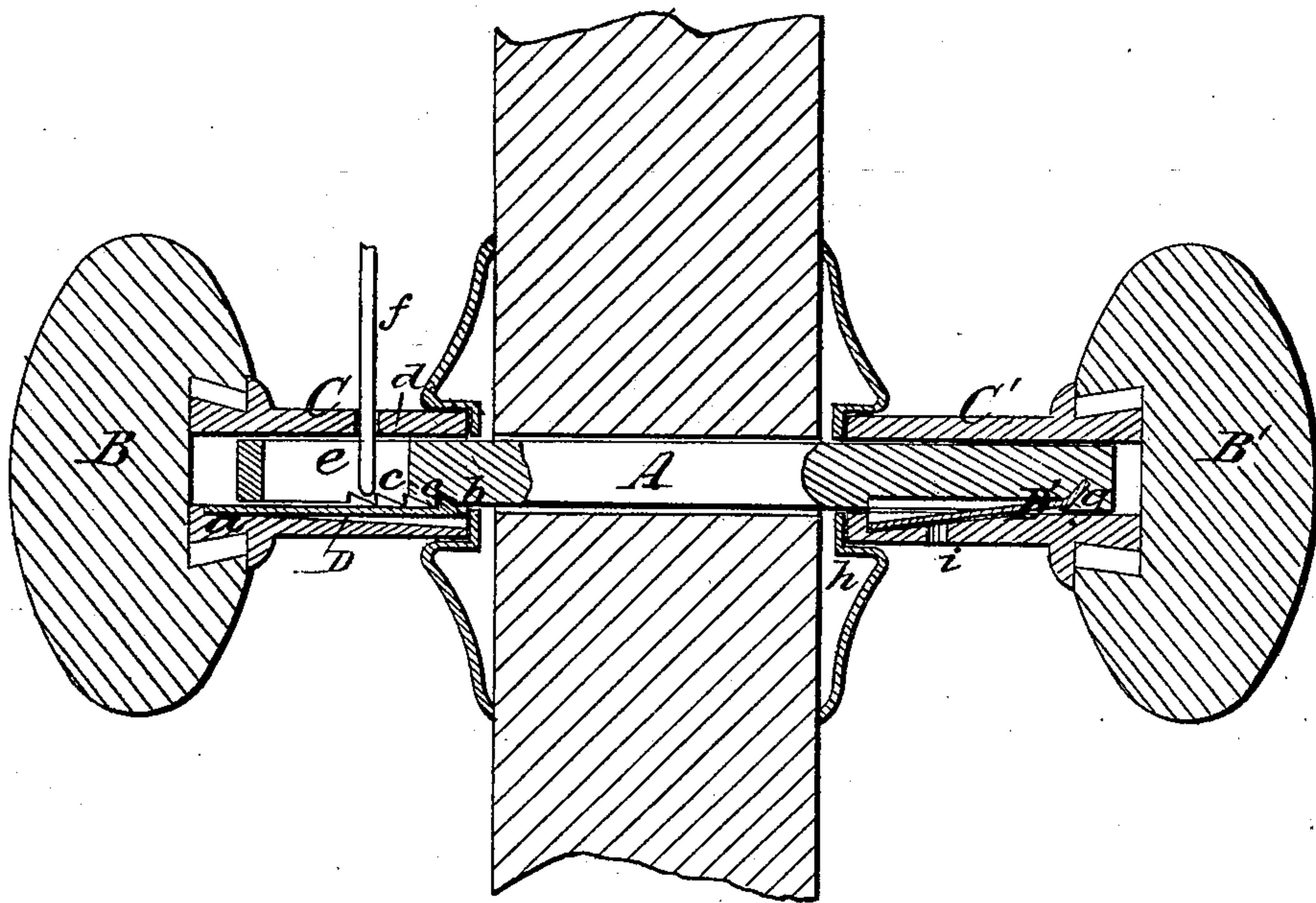


H. B. Tutthill.

Door Knob Fastening.

N^o 89,708.

Patented May 4, 1869.



Witnesses.

W. C. Ashekettles

Wm A Morgan.

INVENTOR.

H. B. Tutthill

per Munn & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

H. B. TUTHILL, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF, M. C. OGDEN,
AND WILLIAM SLAWSON.

IMPROVEMENT IN ATTACHING KNOBS TO THEIR SPINDLES.

Specification forming part of Letters Patent No. 89,708, dated May 4, 1869.

To all whom it may concern:

Be it known that I, H. B. TUTHILL, of the city, county, and State of New York, have invented a new and Improved Door-Knob Fastening; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to a new and improved means for securing door-knobs on their spindles or arbors; and is designed to supersede the screws and washers now used for such purpose.

In the accompanying drawing a longitudinal central section of my invention is shown.

A represents a knob-spindle, which is of square or rectangular form in its transverse section, as usual, and is fitted in a lock, or any suitable catch or latch, in the ordinary way, when such devices are used with the invention. B B' represent the knobs, which are constructed and provided, respectively, with metallic sockets C C', like those in common use, the interior of the sockets being of such dimensions that they may be shoved snugly on the spindle.

The socket C has a spring, D, fitted within it and secured at the point *a*, said spring at its free or disengaged end being provided with a tooth, *b*, to catch into any of a series of notches, *c*, made in one side of the spindle. *d* is a hole made in the socket, and a slot, *e*, made through the spindle, so that by inserting a rod, *f*, through said hole and slot the toothed end of the spring D may be forced out-

ward and the socket released. This construction of the spindle I do not, however, claim.

My invention consists in providing the socket C' with a fastening, made and arranged as shown. The spring D', in this instance, is attached to the spindle, as shown at *g*, and catching against a shoulder, *h*, at the inner side of the socket C'. This spring D' is made sufficiently long, in the first place, to admit of the socket C' being adjusted on the spindle to suit the thinnest door that is made, and in the event of the device being applied to thicker doors the spring D' is cut off to suit them.

A hole, *i*, is made in the socket C', to admit of a rod being inserted to press inward the spring D', when it is required to remove the socket C'.

The invention is extremely simple and efficient, and admits of the knobs being applied to the spindle with a greater facility than usual.

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

The spindle A, constructed as described, with the spring D', adapted to engage with the shoulder formed in the socket C', arranged and operating as described, for the purpose specified.

The above specification of my invention signed by me this 9th day of March, 1868.

H. B. TUTHILL.

Witnesses:

O. D. MUNN,
A. R. HAIGHT.