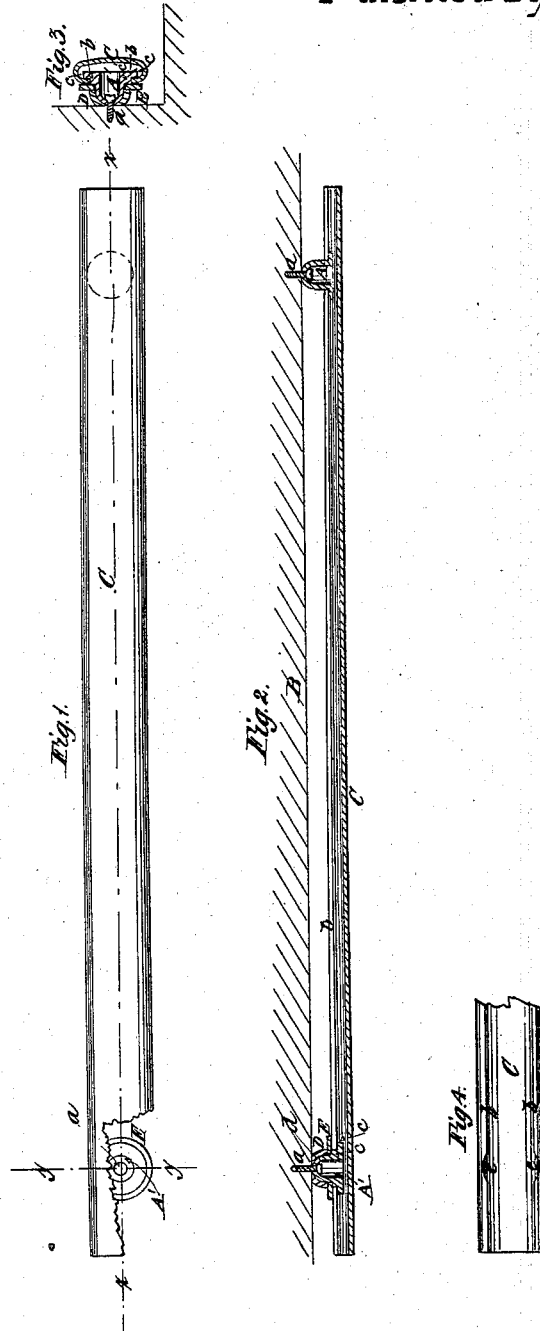


H. Jackson,
Stair-Rod Fastener,

N^o 47,422,

Patented Apr. 25, 1865.



Witnesses.
M. M. Linger
H. R. Jackson

Inventor.
Henry Jackson

UNITED STATES PATENT OFFICE.

HENRY JACKSON, OF BROOKLYN, NEW YORK.

IMPROVED STAIR-ROD FASTENING.

Specification forming part of Letters Patent No. 47,422, dated April 25, 1865.

To all whom it may concern:

Be it known that I, HENRY JACKSON, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Fastening for Stair-Rods; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a face or outer-side view of a stair-rod, partly in section and secured to the "riser" by my invention; Fig. 2, a longitudinal section of the same, taken in the line *x x*, Fig. 1; Fig. 3, a transverse section of the same, taken in the line *y y*; Fig. 4, an inner-side view of a portion of a stair-rod constructed so as to be secured to the riser by my invention.

Similar letters of reference indicate corresponding parts.

This invention relates to an improvement in the ordinary fastening hitherto employed for securing flat stair-rods to the risers of the stairs; and it consists in the application of a spring to one of the buttons composing the fastening, as hereinafter fully shown and described, whereby the rods are securely fastened, being prevented from casually slipping off from the buttons by a longitudinal movement.

A A' represent buttons, which are secured by screws *a* to the lower parts of the risers B of the stairs and in a line parallel with the treads thereof, and C represents a flat stair-rod having its edges bent over to form flanges *b b* to catch under the buttons, as shown clearly in Fig. 3. The flanges *b b* on the rod and the buttons (two like A) comprise the ordinary fastening, or such as is now used.

The button A', which is different from those of the ordinary fastening, is formed with two

shoulders, *c c*, as shown in Figs. 2 and 3, the ordinary button having but one shoulder, *c*, as shown in Fig. 2, and the shank *d* of the button has a spring, D, fitted upon it, of india-rubber or other suitable elastic material, a circular disk, E, being interposed between said spring and the shoulder *c'*, as shown in Figs. 2 and 3, said disk being a trifle larger in diameter than the shoulder *c*.

The flanges *a a* of the stair rod have curved notches or recesses *e e* made in them at points where it is designed to have the rod C secured to it. (See Fig. 4.)

The inner shoulder, *c'*, of the button A' is rather larger in diameter than the space between the edges of the flanges *a a*, and the curved notches *e e* are made to fit around or receive the shoulder *c'*, the spring D keeping the notches *e e* in this position and against the shoulder *c*.

The notches *e e* prevent the rod from moving longitudinally, and in order to adjust the rod on the buttons and remove it therefrom it must be pressed inward, so that the shoulder *c'* will be within the flanges *a a*. The rod may then be moved longitudinally, and fitted on the buttons or be withdrawn from them.

If necessary, both buttons may be provided with a spring and two shoulders, but one button thus arranged is deemed sufficient.

I claim as new and desire to secure by Letters Patent—

The spring D, disk E, and the supplemental shoulder *c'* applied to one or both buttons, in connection with the flat stair-rod having its flanges *a* provided with curved notches *e e*, all arranged substantially as and for the purpose herein set forth.

HENRY JACKSON.

Witnesses:

M. M. LIVINGSTON,
THOS. R. JACKSON.