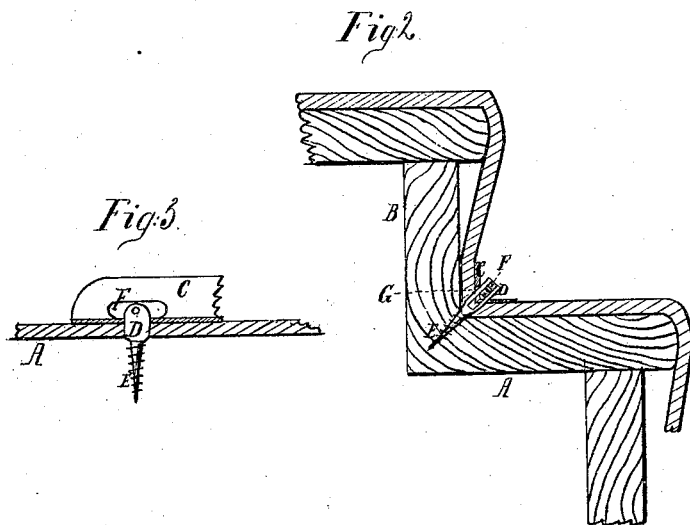
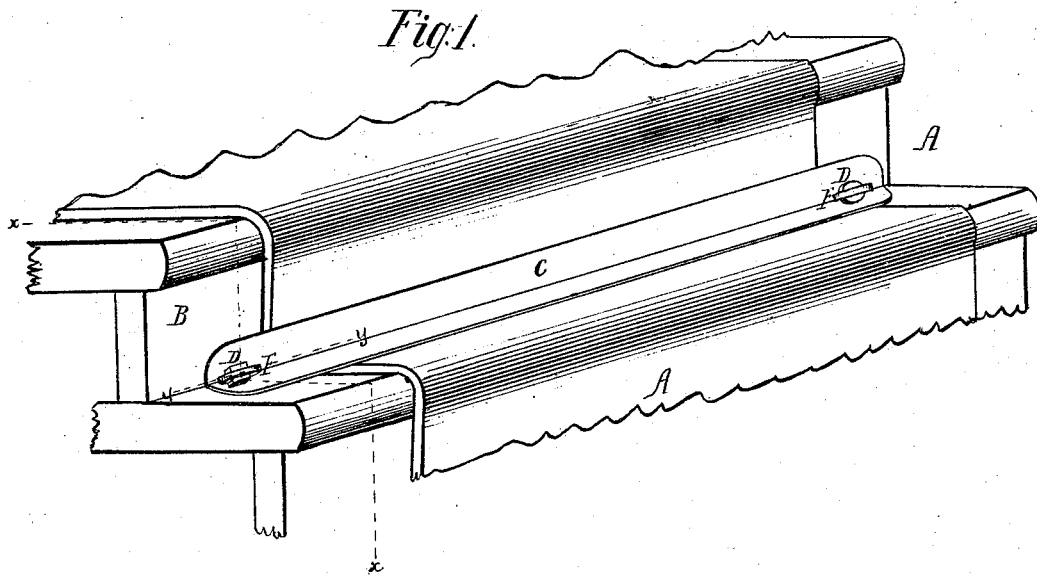


E. Rath,
Stair Rod Securer.
No. 111,249, Patented Jan. 24. 1871.



Witnesses
G. W. Ahlers
E. F. Kastenhuber

Inventor
Emil Rath
per
Wm. Santwood & Haupp
attys

UNITED STATES PATENT OFFICE.

EMIL RATH, OF NEW YORK, N. Y., ASSIGNOR TO MORITZ KRICKL, OF
SAME PLACE.

IMPROVEMENT IN STAIR-ROD FASTENINGS.

Specification forming part of Letters Patent No. 111,249, dated January 24, 1871.

To all whom it may concern:

Be it known that I, EMIL RATH, of the city, county, and State of New York, have invented a new and useful Improvement in Fasteners for Stair-Rods; and I do hereby declare the following to be 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 drawings—

Figure 1 shows a top view of my invention. Fig. 2 is a cross-section taken in the line xx of Fig. 1. Fig. 3 is a longitudinal section in the plane yy , Fig. 1.

Similar letters indicate corresponding parts.

This invention consists in a fastening device for stair-rods, composed of a button pivoted on a standard which goes through a slot in the stair-rod, and arranged in such a manner that when it is desired to fasten the stair-rod the button is swung in line with the standard, and the stair-rod is then passed down over the standard and pressed down below the button, when the latter is swung around at right angles to the standard so as to extend across the slot in the rod. The fastening is applied at each end of the rod, and the standards which carry the buttons are screwed into the angles of the stairs, or otherwise secured therein in any convenient mode.

The letter A designates one of the steps of a stairs, and B a riser, and C is a stair-rod, which fits the angle formed by them.

The letter D designates a standard, which has on one end a screw, E, so that it can be screwed into the angles of a stairs, and on the other end a button, F, which is pivoted to the upper part of the standard in such a manner that it can be revolved thereon and be brought either in line with the standard or at right angles to it. The stair-rod is provided with slots G at suitable places, to allow it to be passed over the standards, of which there

should be two for each stair-step; and I make the slots to correspond in form with the shape of the standards, making them only a little larger than the diameter of the standards, so that the rods can pass over them with facility, while the buttons F, when standing at right angles with the standards, cannot pass through the slots. Having screwed or fixed the standards in their places, I turn the buttons so as to bring them in line with the standards, pressing the rod down upon the carpet that is to be confined until it is below the button, when I turn the buttons at right angles to the standard and across the slot. On releasing the rod from pressure, the elasticity of the carpet provides pressure enough from below to hold the stair-rod up against the buttons, the standards being screwed into the stairs far enough to bring the buttons at the proper height. I make the buttons alike on both edges, so that they present the same appearance all around, and in breadth they are made equal to or less than the diameter of the standard, so that when swung in line with the standards they will pass through the slots, while their length is greater than the diameter of the slots, so that they cannot pass through when laid across the slots. Instead of arranging the slots in the body of the stair-rod to receive the standards and buttons, they can be placed in the edges. The top of the standard is bifurcated, and the button is pivoted between the forks in such a manner that it can be revolved.

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

The button F, pivoted to the standard D, in combination with the stair-rod C, formed with the slot G, arranged and operating substantially as herein shown and described.

EMIL RATH.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.