

T. W. GARDNER.  
Stair-Rod Securers.

No. 158,930.

Patented Jan. 19, 1875.

Fig. 1.

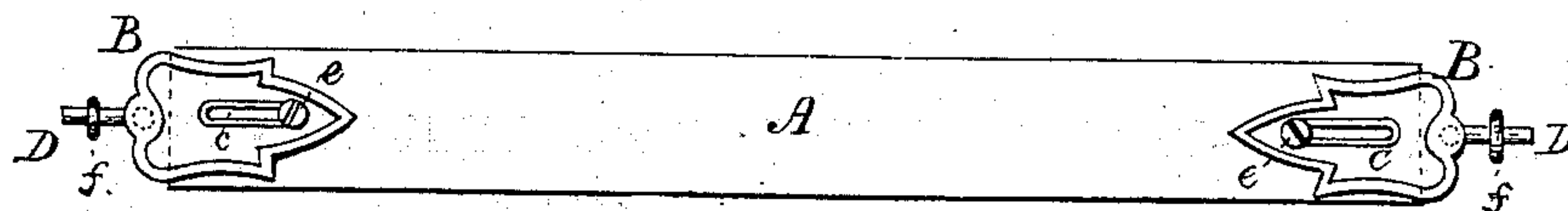


Fig. 2.

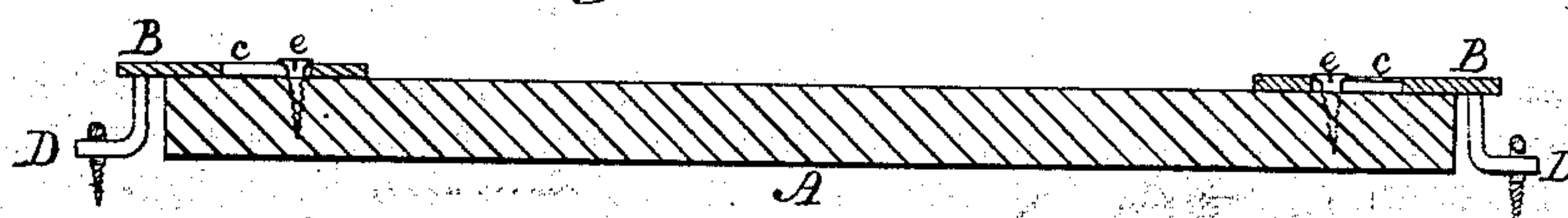
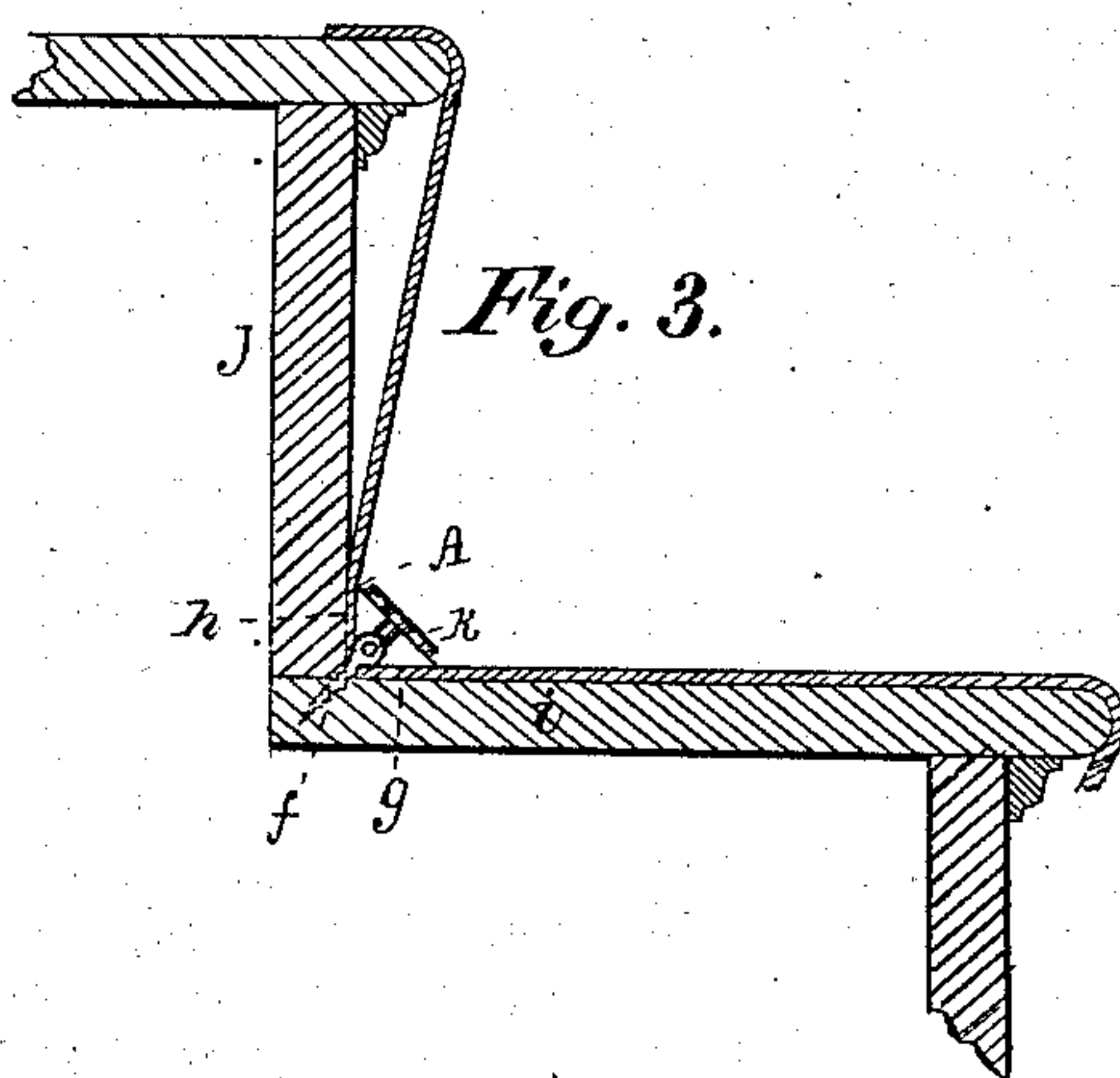


Fig. 3.



WITNESSES  
Joseph C. Shinn.  
A. L. Van Ness. By

INVENTOR  
Thomas W. Gardner  
Per Parker H. Sweet, Jr.  
Associate Attorney

# UNITED STATES PATENT OFFICE.

THOMAS W. GARDNER, OF PITTSBURG, PENNSYLVANIA.

## IMPROVEMENT IN STAIR-ROD SECURERS.

Specification forming part of Letters Patent No. **158,930**, dated January 19, 1875; application filed August 15, 1874.

*To all whom it may concern:*

Be it known that I, THOMAS W. GARDNER, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Stair-Rods; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improved means for adjusting rods to staircases; and it consists in the employment of slotted adjustable catches having projecting prongs, and attached to the ends of stair-rods, and engaging with suitable staples or ring-bolts, all constructed as will hereinafter be shown and described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a front view of my improved stair-rod. Fig. 2 is a longitudinal section of the rod and its catches. Fig. 3 represents a section of a carpeted step, the carpet being held in position through the medium of the rod.

In the drawings, A is the stair-rod, which is constructed of wood, such as cherry, walnut, oak, ash, or hickory, or any other suitable kind of wood. The form of the rod is clearly shown in Figs. 1 and 2. B B represent the adjustable catches, each provided with a slot, C, and projecting prongs D D, which move in slots made in the ends of the

rod A. The catches B B are held in position upon the rod through the medium of the screws *e e*. The staples or ring-bolts *f*, for receiving the prongs D D, are secured in the stairs, as indicated at *f* in Fig. 3, the distance between the staples being equal to the length of the rod A.

Having the rod constructed as hereinbefore described, and the staples or ring-bolts properly secured in the stair, the carpet being adjusted to its place, the rod is arranged with its face *g* resting on the carpet on the step *i*, and the face *h* resting against the carpet on the riser *j*, forcing the carpet back into the angle formed by the step and riser. The operator then moves outward the catches B B, and screws in the screws *e e*, securing the prongs D D in the staples *f*.

The outer face, K, of the rod A may be painted, varnished, or otherwise highly finished.

Having thus described my improvement, what I claim is—

As a means for adjusting rods to staircases, the slotted and adjustable metallic plate B, provided with the projecting prong D, as shown, in combination with the staple or ring-bolt *f*, attached to the stairs, when arranged and operated substantially as herein described and set forth.

THOMAS W. GARDNER.

Witnesses:

JAMES J. JOHNSTON,  
A. C. JOHNSTON.