

C. E. STEARNS.
Stair-Rod Securer.

No. 206,497.

Patented July 30, 1878.

Fig. 1

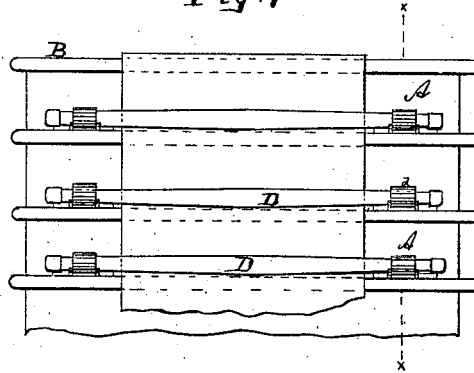


Fig. 2

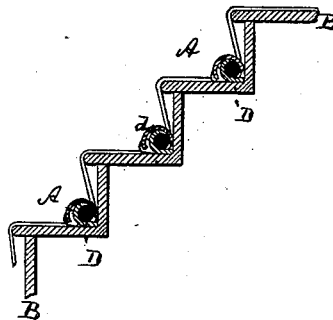


Fig. 3

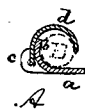


Fig. 4

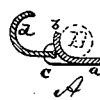


Fig. 5

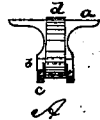


Fig. 6



Witnesses:

John C. Tunbridge
James Park

Inventor:

Charles E. Stearns
by his attorney
A. V. Friesen

UNITED STATES PATENT OFFICE.

CHARLES E. STEARNS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO
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IMPROVEMENT IN STAIR-ROD SECURERS.

Specification forming part of Letters Patent No. 206,497, dated July 30, 1878; application filed
June 28, 1878.

To all whom it may concern:

Be it known that I, CHARLES E. STEARNS, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Stair-Rod Fastener, of which the following is a specification:

This invention relates to a simple and inexpensive fastener for stair-rods, by which the stair-rod may be readily secured in place, and which is easily opened when the rod is to be removed.

The invention consists in the combination of a plate having its front turned up, with a hook pivoted to said plate, all as hereinafter more fully described.

In the accompanying drawing, Figure 1 represents a front view of a portion of a stair-case provided with my improved fasteners. Fig. 2 is a longitudinal section of the same on the line *x x*, Fig. 1. Figs. 3 and 4 are detail vertical longitudinal sections of my improved fastener, showing the same closed and opened, respectively. Figs. 5 and 6 are detail top views of the fastener, showing the same closed and opened, respectively.

Similar letters of reference indicate corresponding parts in all the figures.

The letters A A represent my improved stair-rod fasteners. The same are made of metal, or equivalent material, and are applied to the treads of a stair-case B near the risers thereof at the sides of the carpet. The fastener A consists of a plate, *a*, which is adapted to be securely fastened upon the tread of the staircase, it being provided for this purpose with screw-holes, prongs, or equivalent devices. One edge of this plate *a* is preferably made straight, and is placed directly against

the riser of the stairs. The opposite front end, *b*, is bent upward to form a hook-shaped projection, as shown in Figs. 2, 3, and 4 of the drawing. From each side of this hook-shaped projection *b* projects forward a perforated ear, *c*, and into these ears *c c* is pivoted a hook, *d*. (Clearly shown in the drawing.) This hook *d* may be swung over the plate *a*, as in Figs. 3 and 5, when the fastening will be closed; or it may be swung forward of such plates, Figs. 4 and 6, when the fastening is opened.

In order to secure a stair-rod by this improved fastening, the hook *d* is first swung into the position shown in Figs. 4 and 6, and each end of the stair-rod D is then placed upon the plate *a*, between the riser of the stairs and the turned-up end *b*, whereupon the hook *d* is swung over the end of the rod D, thus closing the fastening, and securely holding the rod in place. Were it not for the bent-up end *b* of the plate *a* the hook *d* would be spontaneously opened by the stair-rod.

Instead of using two of the above-described fastenings for each rod, one end of the rod may be confined by an eye, while the other end is secured by the fastening A.

I claim—

The stair-rod fastener A, composed of the plate *a*, having the bent-up end *b* and perforated ears *c*, and of the hook *d*, pivoted to said plate *a*, substantially as herein shown and described.

The foregoing description of my invention signed by me this 14th day of June, 1878.

CHARLES E. STEARNS.

Witnesses:

F. V. BRIESEN,
J. TURK.