

C. E. STEARNS.
Stair-Rod Securer.

No. 206,497.

Patented July 30, 1878.

Fig. 1

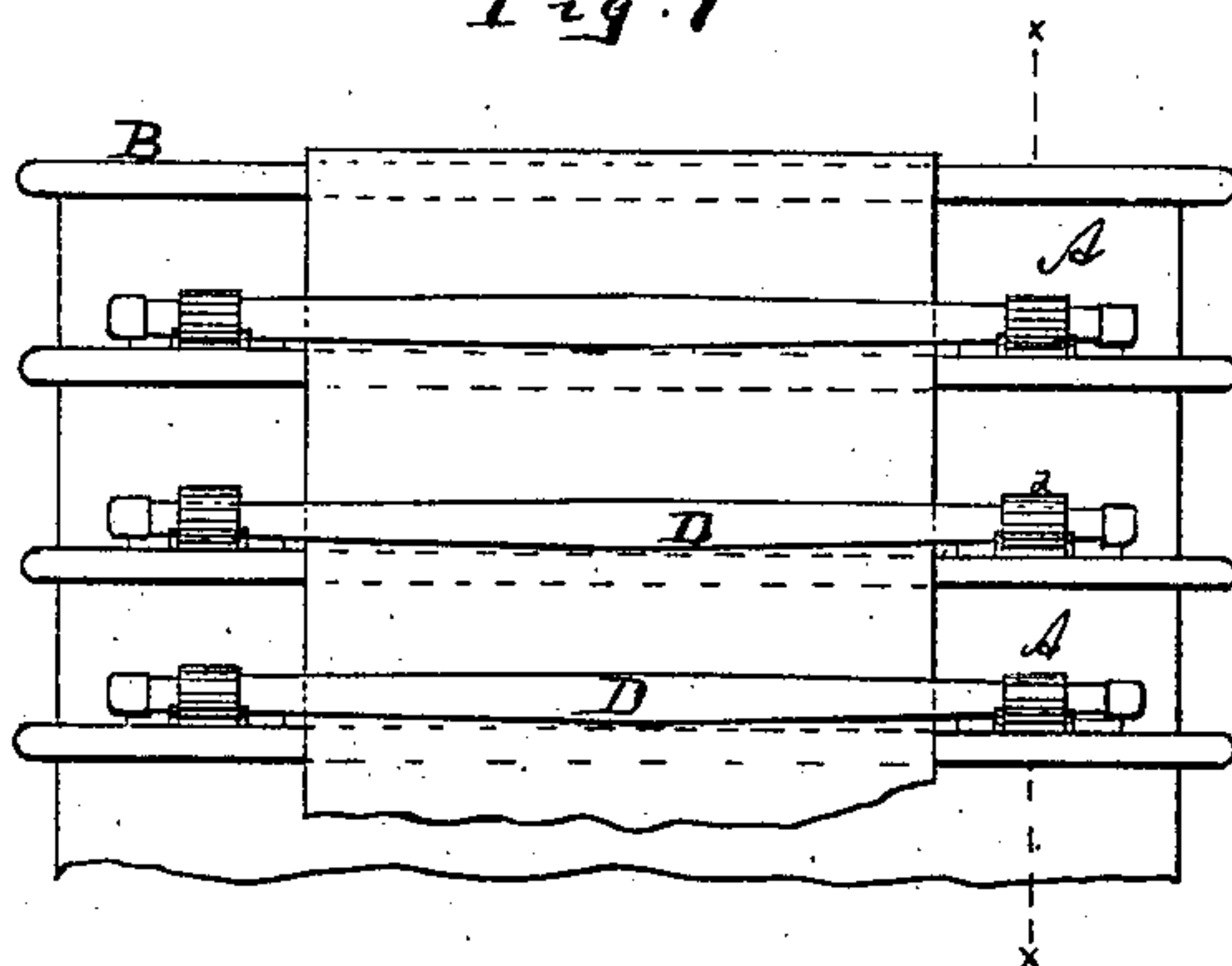


Fig. 2

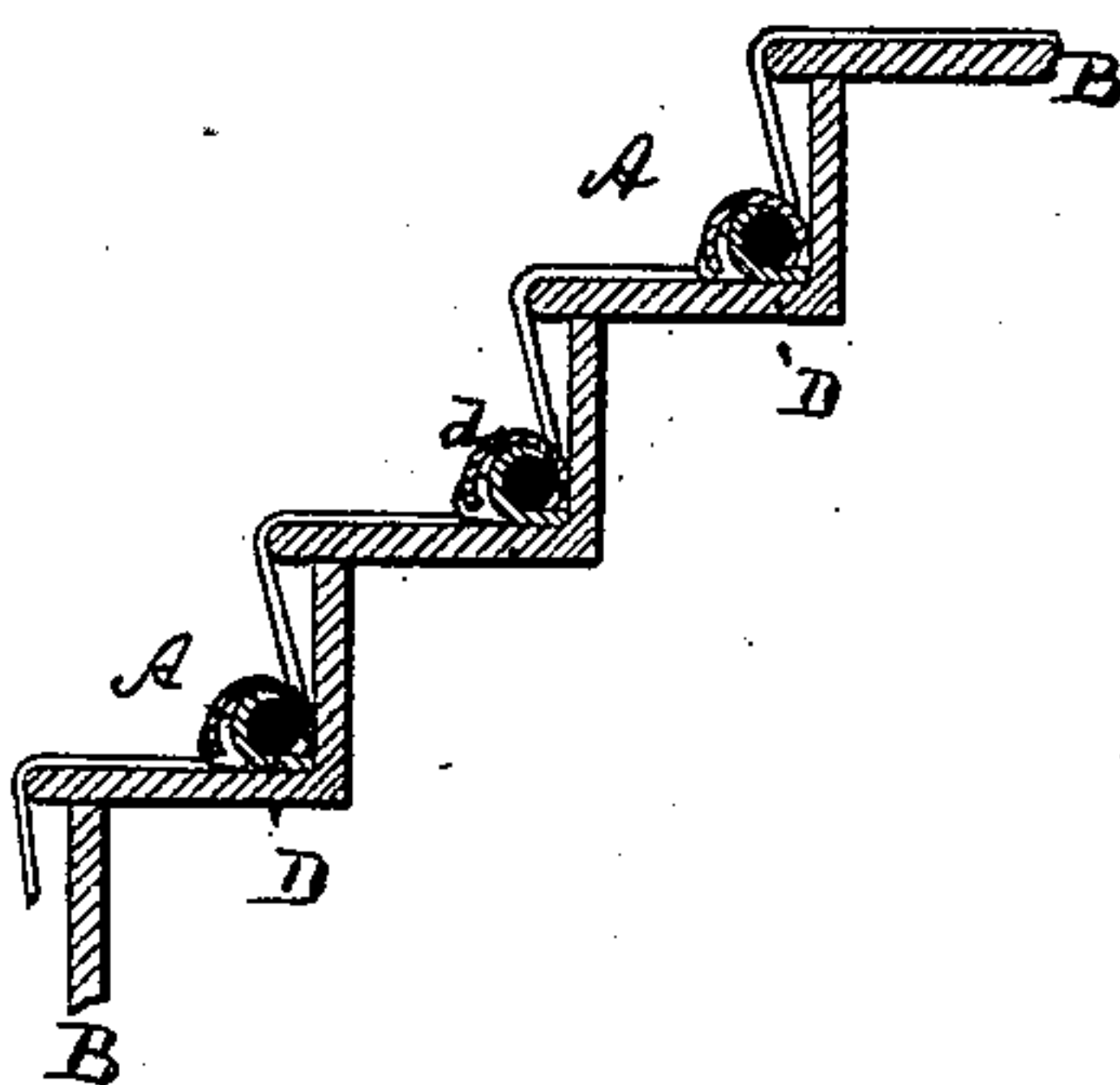


Fig. 3

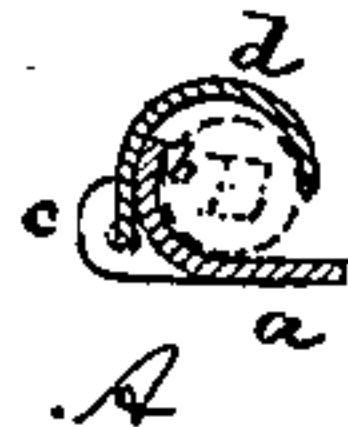


Fig. 4

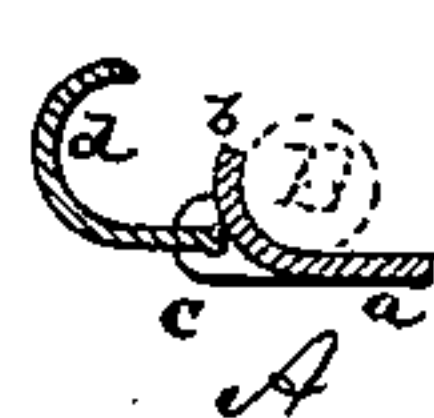


Fig. 5

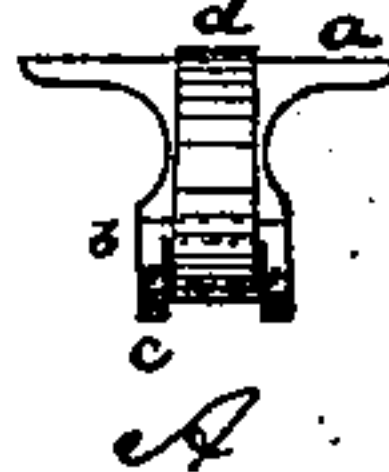


Fig. 6



Witnesses:

John C. Tunbridge
James Turk

Inventor:

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

UNITED STATES PATENT OFFICE.

CHARLES E. STEARNS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO
WILLIAM B. GOULD, OF NEW YORK, N. Y.

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 staircase 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.