

W. B. GOULD.
Stair-Rod Fasteners.

No. 144,758.

Patented Nov. 18, 1873.

Fig. 1.

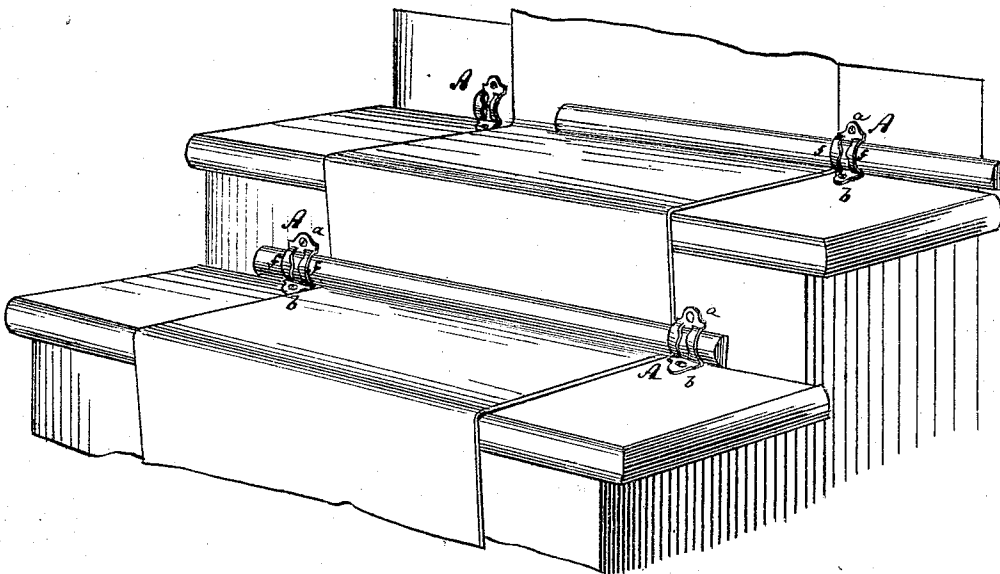
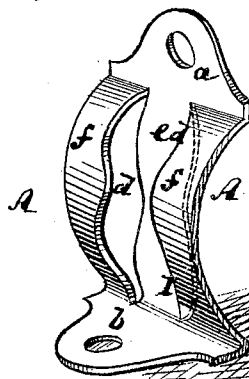


Fig. 2.



Witnesses.

John Becker
Fred Haynes

Wm B Gould.
by his Attorneys
Proctor & Allen

UNITED STATES PATENT OFFICE.

WILLIAM B. GOULD, OF MONTROSE, NEW JERSEY.

IMPROVEMENT IN STAIR-ROD FASTENERS.

Specification forming part of Letters Patent No. **144,758**, dated November 18, 1873; application filed October 17, 1873.

B.

To all whom it may concern:

Be it known that I, WILLIAM B. GOULD, of Montrose, in the county of Essex and State of New Jersey, have invented an Improved Stair-Rod Fastener, of which the following is a specification:

Figure 1 is a perspective view of a staircase, showing my improved fastener in position. Fig. 2 is a detail perspective view, on an enlarged scale, of my improved fastener.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to a new form and construction of stair-rod fastener made entirely in one piece, and therefore simpler and cheaper in construction than the fasteners now in general use. My invention consists in providing a fastener, between the perforated ends that are to receive the tacks or fastening-nails, with two up-and-down incisions, and in then bending the side portions, which are separated from the middle by said incisions forwardly, so that between them and the unbent middle portion a loop is formed, through which the stair-rod can be inserted.

In the accompanying drawing, the letter A represents my improved stair-rod fastener, made of one single piece of sheet metal. Its ends *a b* are bent at right angles to each other, so that one end, *a*, will bear against the riser, and the other end, *b*, upon the step of the stairs, both ends being perforated to receive the fastening nails or screws. Between these two ends the plate A is cut up and down at two places, the incisions *d d* being, if straight, parallel or nearly parallel to each other, though they may be slightly curved, in the manner shown in the drawing. The piece *e*, which is left between the two incisions, remains straight in line with the end *a*, but the side pieces *f f*

are bulged or bent forward, so that they form a space through which the rod may be inserted. The rod, when applied, bears upon the middle piece *e*, and is covered by the side pieces *f*, as is clearly indicated in Fig. 1.

It is to be understood that I do not claim the bulging out of a stair-rod fastener made in one piece, as such has been done before, but in such fastenings as heretofore made the stationary back pieces *e* were not left in line with the end *a*, and the rod was therefore caused to bear against the stair-riser direct, and to crowd upon the stair-carpet and injure the same, while with my improved construction the thickness of the back piece *e* will separate the rod from the riser, and thus protect the carpet.

Instead of being quite straight, the back piece *e* may be slightly curved to accommodate the shape of the stair-rod.

I do not broadly claim to have invented a stair-rod fastener made of a single piece of sheet metal, and cut to form pieces at the ends to secure the rod, but only the invention of a sheet-metal fastener, having the two up-and-down incisions, whereby continuous bands are formed that embrace the rod, while heretofore unreliable spring-clips were only produced for the same purpose.

I claim as my invention and desire to secure by Letters Patent—

The stair-rod fastener A, made with two incisions, *d d*, between which the back piece *e*, and at the sides of which the forwardly-bulged parts *f f*, are formed, substantially as herein shown and described.

WM. B. GOULD.

Witnesses:

F. V. BRIESEN,
MICHAEL RYAN,
FRED. HAYNES.