

Emil Rath's Imp^d Fastening for Stair Rods.

118271

PATENTED AUG 22 1871

Fig. 1.

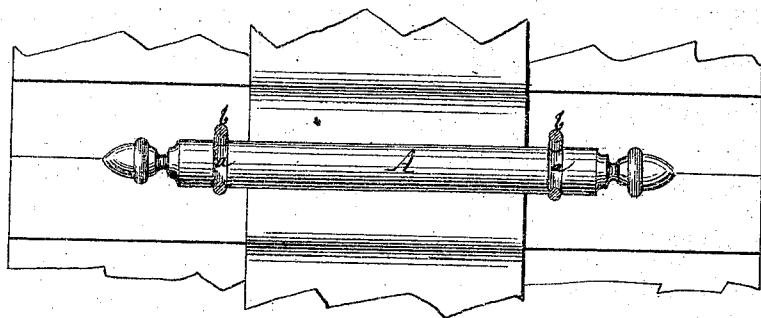
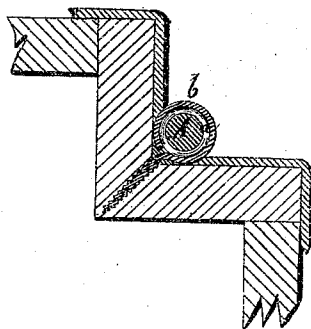


Fig. 2.



Witnesses.
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Inventor:
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN STAIR-RODS.

Specification forming part of Letters Patent No. 118,271, dated August 22, 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 Improved Fastening 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 drawing forming part of this specification, in which drawing—

Figure 1 represents a perspective front view of this invention. Fig. 2 is a transverse section of the same.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of depressions in the stair-rods, in combination with eyebolts, which are fastened in the steps at a distance corresponding to the distance between said depressions, and are large enough to allow the stair-rod being passed through them in such a manner that, when the stair-rod is passed through the eyebolts until its depressions come opposite the eyes thereof, and the carpet which passes through under the stair-rod is strained, the depressions of the rod are caused to catch in the eyes of the eyebolts and the rod is securely held in position, and when it is desired to remove the rod a slight inward pressure releases its depressions from the eyebolts and it can be pushed out with ease and facility.

In the drawing, A designates a stair-rod, which may be made of wood or any other suitable material, and which I make, by preference, cylindrical; but its shape or form may be altered to

suit taste and convenience. This rod is provided, near its ends or at such distance apart as may be desirable, with two depressions, *a*, which may extend partially or entirely round the body of the rod, according to convenience in its construction. With this rod are combined two eyebolts, *b b*, which are screwed into the stairs in such a position that their distance corresponds to that of the depressions in the rod. The eyes of these eyebolts are large enough to allow of passing the rod clear through them, and if the rod is brought in such a position that its depressions are in the eyes of the eyebolts and the carpet is strained, said depressions catch in the eyes and the rod is securely held in position.

If it is desired to remove the rod, a slight inward pressure on it releases its depressions from the eyebolts and it can be drawn out without difficulty.

This fastening is exceedingly simple, and it is particularly applicable to cylindrical rods which can be turned of wood, and which may be furnished at a low price.

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

The fastening for stair-rods, formed by the depressions *a* in the rod A, in which the eyebolts *b* are held by the tension of the stair-carpet, as herein set forth and shown, for the purpose specified.

EMIL RATH.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.