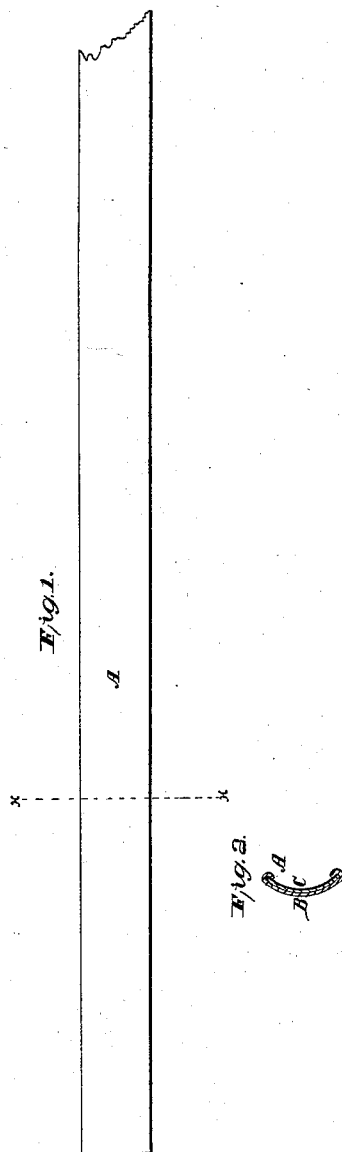


*H. M. Hoyer,*

*Stair Rod.*

*No 49,270.*

*Patented Aug. 8, 1865.*



*Witnesses:*  
*M. M. Luycke*  
*W. C. Hoff*

*Inventor:*  
*H. M. Hoyer.*

# UNITED STATES PATENT OFFICE.

H. M. HOVER, OF NEW YORK, N. Y.

## STAIR-ROD.

Specification forming part of Letters Patent No. 49,270, dated August 8, 1865.

*To all whom it may concern:*

Be it known that I, H. M. HOVER, in the city, county, and State of New York, 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, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of a stair-rod made according to my invention. Fig. 2 is a transverse section thereof on the line *x* of Fig. 1.

Similar letters of reference indicate like parts.

This invention consists in making stair-rods for holding down carpets partly of india-rubber or gutta-percha, as hereinafter explained.

A is a front view of a portion of a stair-rod of a shape now commonly used, and which is usually retained in position against a carpet by means of buttons secured to and projecting from the risers of the stair-case. The rod is shown in cross-section in Fig. 2.

C is a metallic re-enforce, by which the rod is stiffened and strengthened, and which I em-

ploy in this modification of my invention. (Shown in Fig. 1.)

B is a covering or coating of hard rubber, which is laid over the front of the rod, and over both its edges, as shown in Fig. 2. The rubber is applied while it is plastic and afterward made into hard rubber, according to the process of the art of manufacturing rubber. Gutta-percha and any other substitute for rubber may be employed for the same purpose.

Among other advantages which flow from my invention I will only mention the greatly-reduced cost of the article, the ease with which it may be kept clean, and its freedom from rust and liability to become stained and discolored either from moisture or other causes.

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

The rubber stair-rod, constructed substantially as herein described, as a new article of manufacture.

H. M. HOVER.

Witnesses:

M. M. LIVINGSTON,  
C. L. TOPLIFF.