

H. J. SHARPE.

STAIR ROD.

APPLICATION FILED SEPT. 12, 1911.

1,063,837.

Patented June 3, 1913.

FIG. 1.

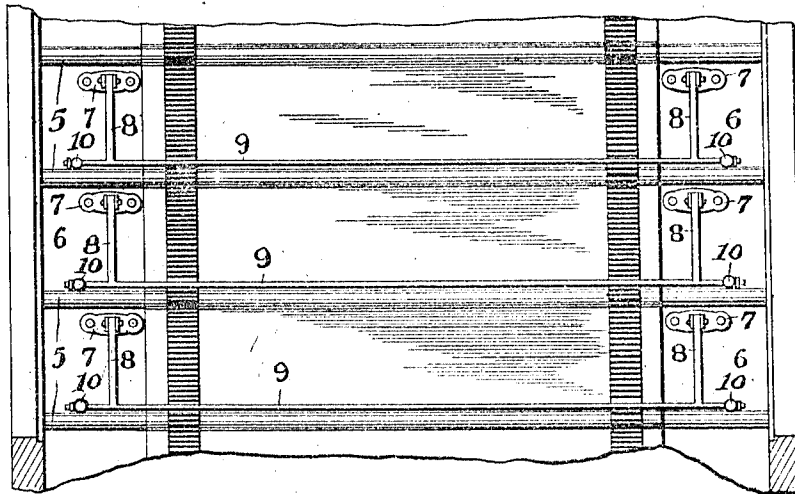


FIG. 2.

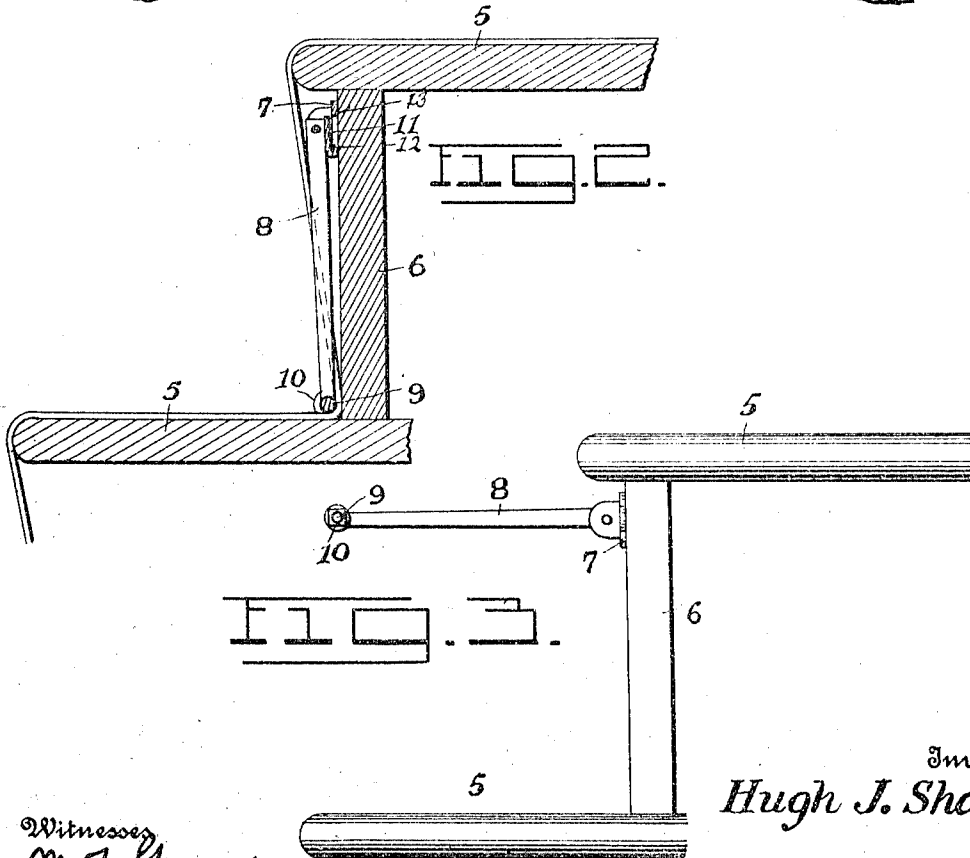


FIG. 3.

Witnesses
M. F. Gammatt
H. O. Parker.

Inventor
Hugh J. Sharpe

By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

HUGH J. SHARPE, OF LANSFORD, PENNSYLVANIA.

STAIR-ROD.

1,063,827.

Specification of Letters Patent.

Patented June 3, 1913.

Application filed September 12, 1911. Serial No. 648,993.

To all whom it may concern:

Be it known that I, HUGH J. SHARPE, a citizen of the United States, residing at Lansford, in the county of Carbon and State of Pennsylvania, have invented new and useful Improvements in Stair-Rods, of which the following is a specification:

The invention relates to stair fixtures, and more particularly to the class of stair rods. The primary object of the invention is the provision of a stair rod in which the stair carpet may be securely clamped in a smooth manner over the steps of the stairway, without requiring the tacking or otherwise securing thereof, and also that may be removed when desired, without detaching the stair rods.

Another object of the invention is the provision of a stair rod in which the same may be permanently secured to the riser of a step, so that the stair carpet may be quickly laid over the steps of a stairway, and will be kept smooth without possibility of slipping thereof when persons are ascending or descending the stairs.

Another object of the invention is to provide a stair rod which will be permanently connected with pivotally supported arms which are mounted in such manner upon the risers that the rod may be adjusted to an inoperative position and sustained in parallel relation to the riser whereby the rod may serve as a support over which a portion of the carpet may be drawn when it is desired to expose the step for cleaning purposes.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claim hereunto appended.

In the drawings: Figure 1 is a fragmentary front elevation of stairs, showing the stair rods applied thereto constructed in accordance with the invention. Fig. 2 is a vertical longitudinal sectional view through the riser of a step and the stair rod. Fig. 3 is a side elevation, showing the stair rod in raised position.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring to the drawings by numerals, 5 designates the steps or stairs which are of the ordinary well-known construction, and

6 the riser of each step. Adapted to be mounted upon the riser of each step 5 is a stair rod, comprising a pair of base plates 7 which are adapted to be suitably secured to the riser 6 of the step 5, each plate being of any desirable shape and ornamental design, and preferably constructed from metal. The plates 7 are fixed to the riser 6 of the step near the front edge thereof and have hinged thereto swinging arms 8, the outer free ends being integral with or secured to a clamping or retaining bar 9, the ends of the bar being projected a slight distance beyond the said arms 8 and are formed with ball terminals 10 for ornamental effect. It is, of course, understood that the carpet is laid upon the steps 5, beneath the bars 9 of the stair rods, so that the said carpet will be held and-clamped to the steps, the arms 8 being engaged by means of leaf springs 11 having their inner ends 12 integral with the lower edges of the base plates 7 and bent upon the base plates, the latter being provided with openings 13 to form suitable cavities for accommodating the springs 11, the springs being designed to sustain the arms against swinging movement when the stair rods are either raised to free the carpet, or lowered for fastening the same to the steps. Upon reference to Fig. 3 of the drawing it is obvious that the carpet may be freely drawn from beneath the clamping bar 9 whereby the carpet may be temporarily taken from the steps and cleaned and then readily placed back in an operative position beneath the clamping bar. Also, upon reference to Fig. 3 it is evident that that portion of the carpet which covers the tread of the step may be drawn upwardly between the arms 8 and then supported upon the bar 9. This holds the carpet from the tread portion of the step whereby to permit access to be gained to the latter when it is desired to clean the same.

It will be noted that the carpet, when engaged by the stair rods, will be prevented from creeping upon the steps 5, and also will be kept smooth upon the said steps. There will be no possibility of lateral displacement of the carpet when laid upon the steps.

What is claimed is:

A stair rod comprising a pair of flat base plates, swinging arms hinged to said plates, flat springs having their lower ends integral with the lower edges of said base plates and extended forwardly therefrom and pro-

vided with upper free ends adapted to engage the inner extremities of said swinging arms when the latter are in raised or lowered positions, said base plates being provided with openings adapted to receive the free ends of said springs, and a clamping bar carried by the free ends of said arms.

In testimony whereof I affix my signature in presence of two witnesses.

HUGH J. SHARPE.

Witnesses:

JOHN P. O'DONNELL,
EDWARD McLAUGHLIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."