

S. C. Lane,
Stair Rod,
No. 45,053, *Patented Nov. 15, 1864.*

Fig. 1

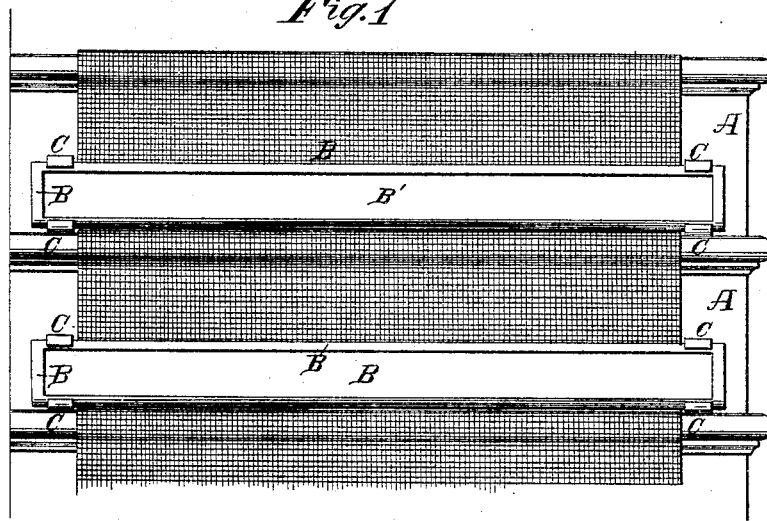
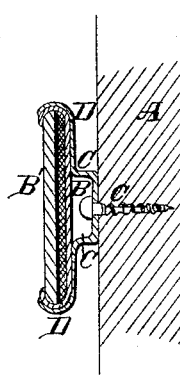


Fig. 2



Witnesses:

Charles D. Smith
Edward H. Knight

Inventor:

S. C. Lane
By *Mumford*
Attorneys

UNITED STATES PATENT OFFICE.

S. C. LANE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVED STAIR-ROD.

Specification forming part of Letters Patent No. 45,053, dated November 15, 1864.

To all whom it may concern:

Be it known that I, S. C. LANE, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Stair-Rods; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is an illustration of a set of stairs with two of my improved rods applied. Fig. 2 is a vertical transverse section of one of the rods.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a stair-rod composed of metal and reflecting glass, with a padding of canton-flannel or other suitable material placed between the same in such manner as to effectually prevent the breaking or injury of the glass when violently struck with the foot or otherwise, and at the same time obviate the removal of the silvering by friction, as will be hereinafter fully explained.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe it.

In the accompanying drawings, A may represent a stair-step to which the metallic frame B is fastened by means of straps or clips C, the latter being secured to the step by screws c.

D represents a pad composed of canton-flannel or analogous yielding and elastic material, and placed in the frame B previously to the insertion of the strip of plate-glass B'. The frame B is formed with small flanges, whereby the glass B' is retained in proper position when inserted without the aid of any additional appliance.

In the event of the glass B' receiving a blow from the foot of a person upon the stairs, or from any other source, the impact of said blow will be broken or diminished to such an extent by the yielding padding D that the glass will be effectually prevented from breaking.

The silvering on the glass B' has a soft bearing or cushion afforded by the padding D, and is thereby prevented from undergoing any injurious friction, which might cause it to become detached from the glass.

A stair-rod of the above construction constitutes a very ornamental as well as durable article, and any soiling substance which may adhere to the glass may be easily washed therefrom, and in addition to this the glass is in nowise liable to become stained or otherwise permanently injured by matters which would greatly discolor and detract from the appearance of the rod were it composed entirely of brass or any other metal of which stair-rods have hitherto been formed. The silvering or reflecting medium may of course be dispensed with if preferred.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. A stair-rod composed chiefly of plate-glass employed in any manner, substantially as described, and for the purposes specified.

2. The combination, with the glass plate B' and metallic frame B, of the padding D, composed of canton-flannel or analogous yielding material, and employed in the manner and for the purpose set forth.

S. C. LANE.

Witnesses:

JOSEPH ENEN,
ADAM TREFTS.