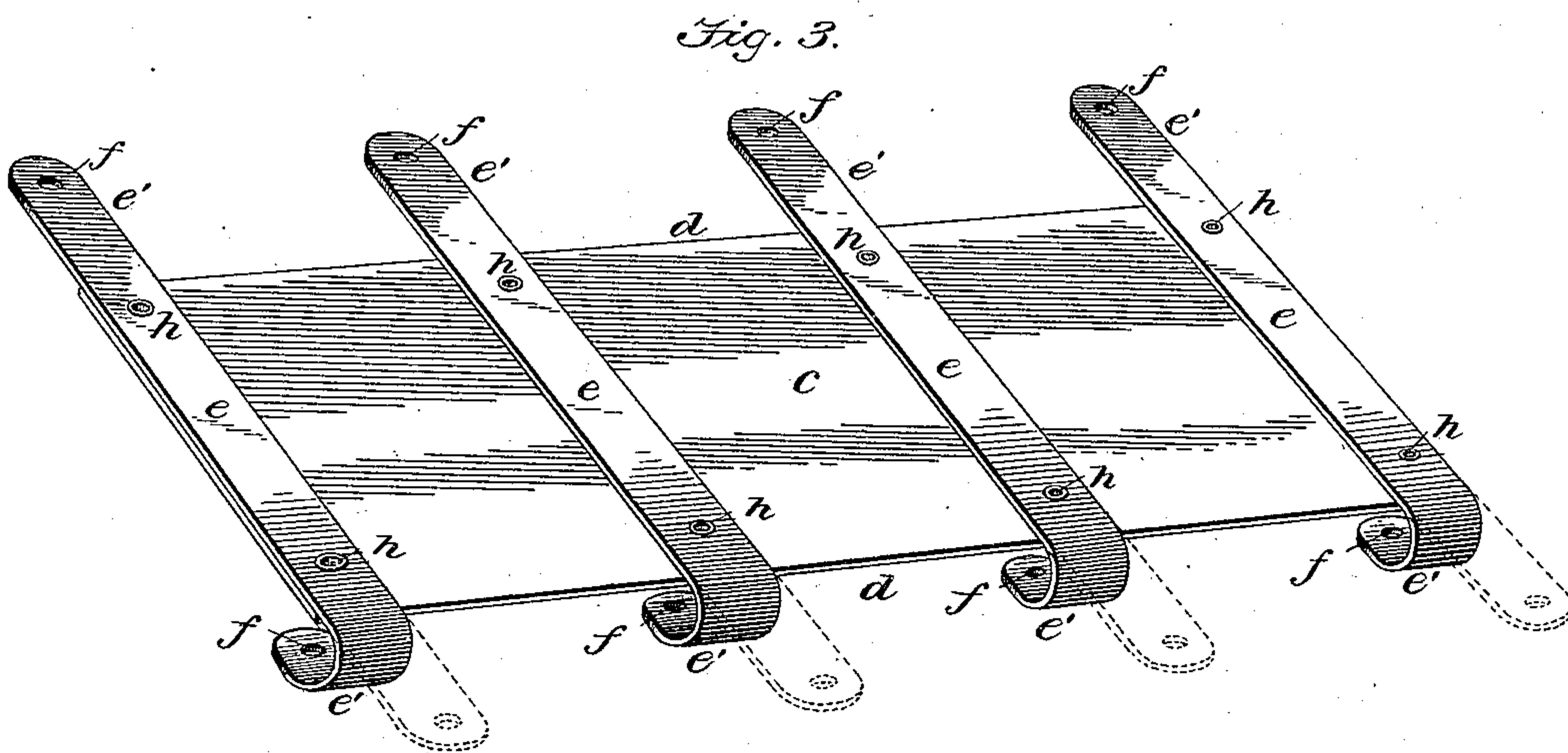
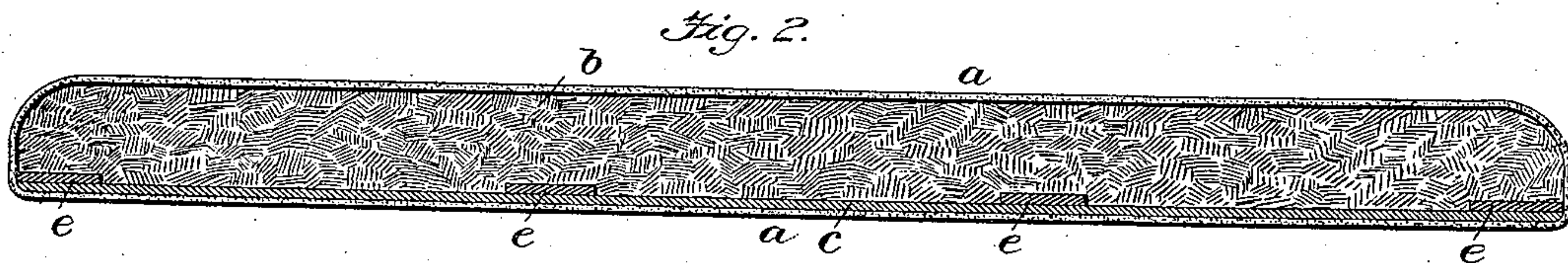
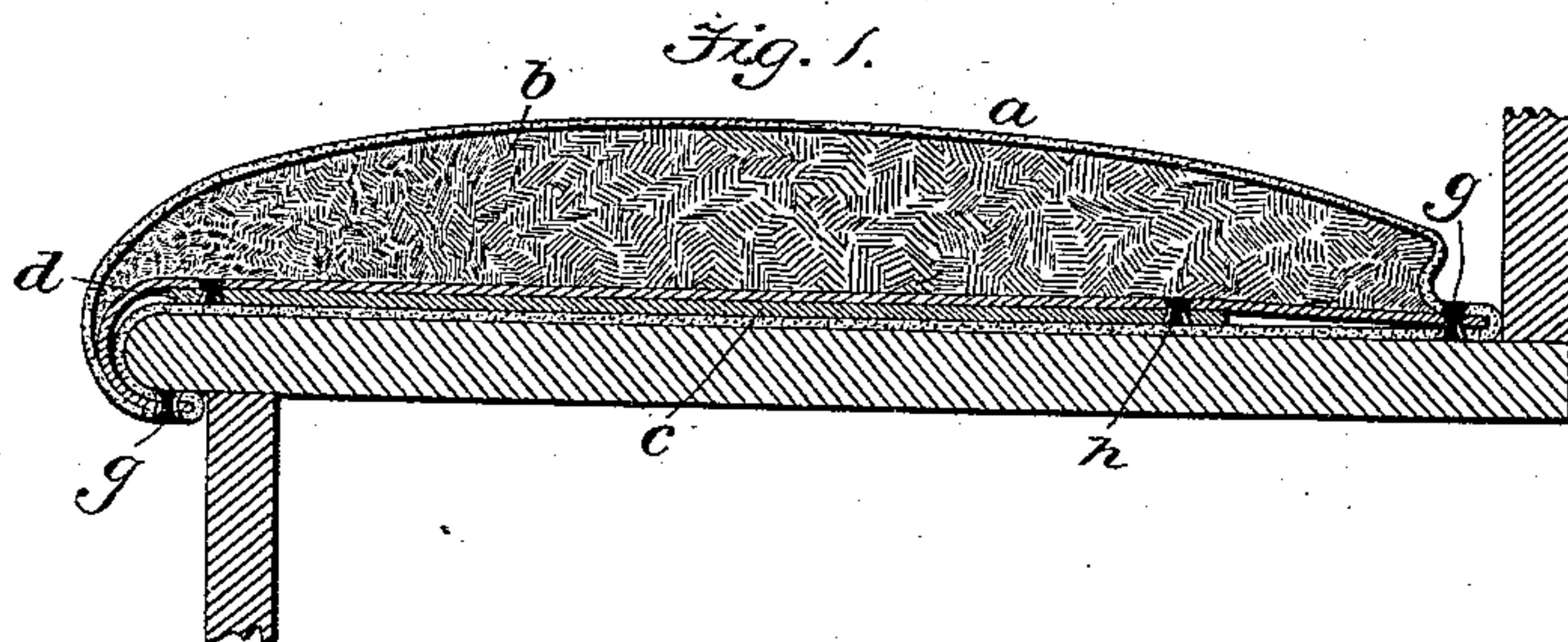


(No Model.)

T. S. SPERRY.
STAIR PAD.

No. 446,213.

Patented Feb. 10, 1891.



WITNESSES:
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UNITED STATES PATENT OFFICE.

TIMOTHY SHELDON SPERRY, OF FLATBUSH, NEW YORK.

STAIR-PAD.

SPECIFICATION forming part of Letters Patent No. 446,213, dated February 10, 1891.

Application filed October 31, 1890. Serial No. 369,930. (No model.)

To all whom it may concern:

Be it known that I, TIMOTHY SHELDON SPERRY, a citizen of the United States, residing at Flatbush, in the county of Kings and State of New York, have invented new and useful Improvements in Stair-Pads, of which the following is a specification.

I have improved the elastic pad for protecting stair-carpet from wear by providing such pad with a bottom board of inelastic material, as a means of preventing the pad from being bent or doubled lengthwise out of form and as a means of gaging the bending of flexible inelastic strips, secured crosswise to said board, to form the nose at the edge of the pad for holding it over the nose of the step. For this purpose I provide a slab of some inelastic material, such as straw-board, and secure flexible metal strips across it at intervals, so that it serves as a gage for bending the ends of the metal strips over its edge to form the pad-nose perfectly straight and uniform along the edge of the pad to cause it to fit and hold it straight and even at the nose of the step.

The accompanying drawings illustrate my improved stair-pad, in which—

Figure 1 is a vertical cross section of the pad as applied on a stair-step. Fig. 2 is a longitudinal section of the same, and Fig. 3 shows the bottom gage-board and its nose-forming strips bent in relation to the edge of said board in forming the nose at the edge of the pad.

The pad is made of any suitable fabric casing *a* and a filling of cotton-bolting or other elastic filling *b*. Within this casing, at the bottom thereof, the gage-board *c* is placed, so that the edges *d* of its two longest sides are equal in length to that of the pad, and its width is sufficiently less than that of the pad to form the gage for the nose-bend at both edges of the pad. I make this gage-board

sufficiently thick to render it stiff crosswise, so that it cannot be easily bent in the direction of its length. Across the upper surface of this gage-board I secure at suitable intervals strips of sheet metal *e*, so that their ends *e'* project equally beyond both edges of the board. The ends of these metal strips are provided with holes *f*, by which they are fastened to the edges of the casing, preferably by eyelets *g*. I prefer, also, to secure the metal strips to the board by eyelets *h*. When these metal strips are thus secured to the edges of the casing, their projecting ends can be bent under along the edge of the board, and thus the latter forms a gage to make an even and uniform bend along the edge of the pad.

I use strips about nine inches wide and make them of galvanized iron, so that they can be bent to form the nose and straightened out again. These strips may project at one end only of the board.

I claim as my improvement—

1. An inelastic stair-pad base provided with flexible metal-strip tongues, substantially as described, whereby the pad may be secured in position by said tongues, which when bent over the edge of said base serve as hooks over and engaging with the nose of the stair-tread.

2. A stair-pad consisting of a fabric casing inclosing an elastic filling, and a straw-board having metal strips secured thereto crosswise, projecting beyond its opposite edges, and having holes in their ends, substantially as described, for the purpose stated.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

TIMOTHY SHELDON SPERRY.

Witnesses:

A. E. H. JOHNSON,
PHILIP F. LARNER.