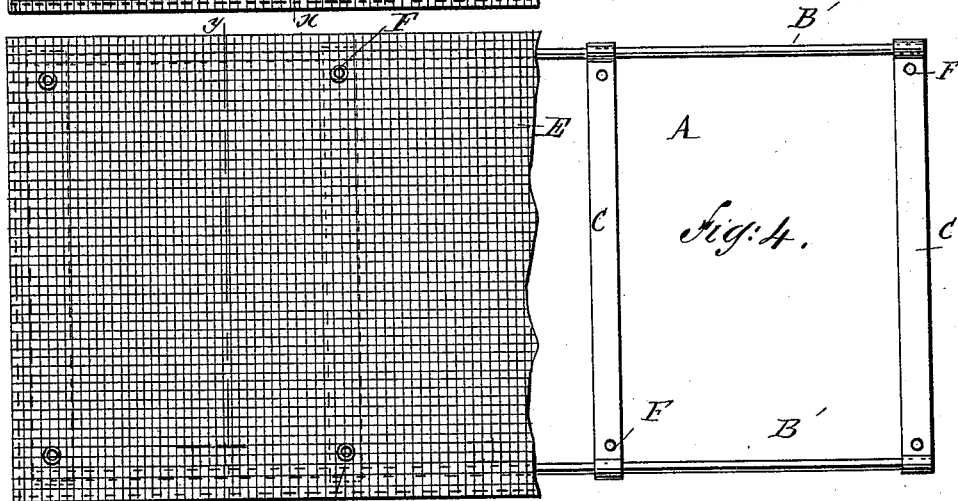
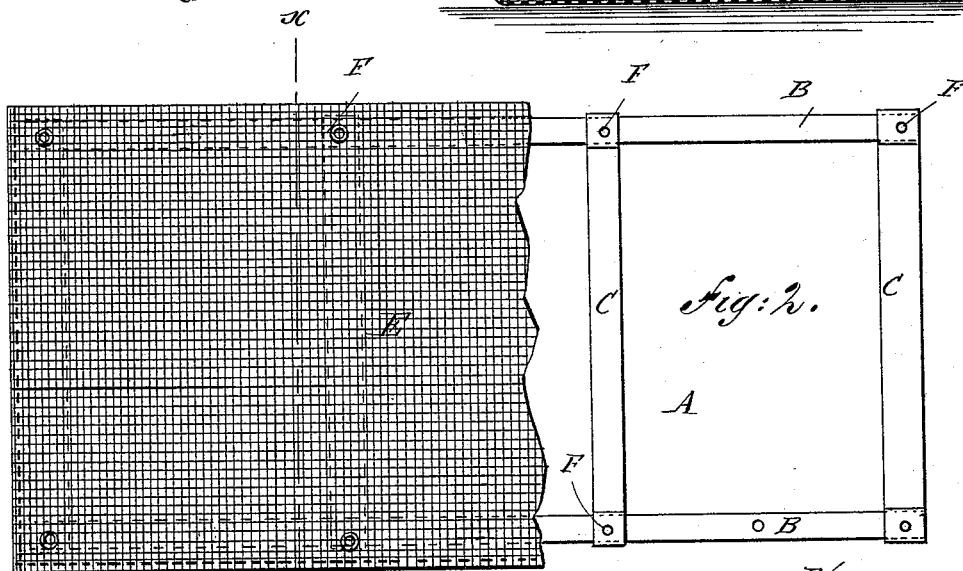
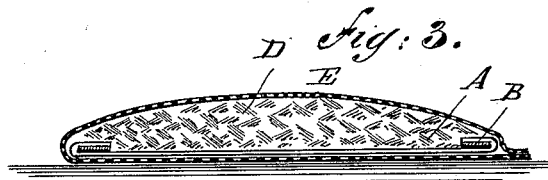
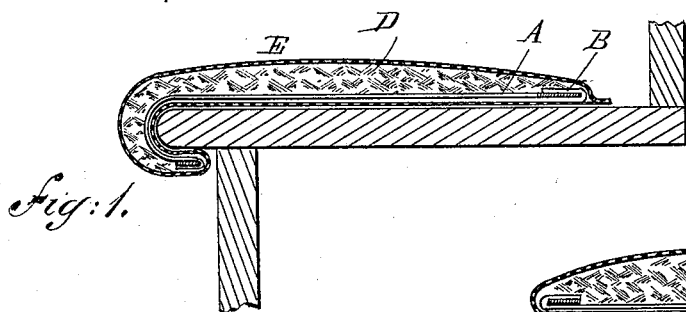


(No Model.)

J. A. RUDKIN.
STAIR PAD.

No. 421,839.

Patented Feb. 18, 1890.



WITNESSES:

Edwin R. Kalish
Henry Meininger

Fig: 5.



INVENTOR:

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BY

Charles Rudkin
ATTORNEY

UNITED STATES PATENT OFFICE.

JOSEPH ALBERT RUDKIN, OF BROOKLYN, NEW YORK.

STAIR-PAD.

SPECIFICATION forming part of Letters Patent No. 421,839, dated February 18, 1890.

Application filed October 1, 1889. Serial No. 325,667. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH ALBERT RUDKIN, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Stair-Pads, of which the following is a specification.

This invention relates to the elastic pads used on the treads of a stairway beneath the stair-carpet to protect the carpet from wear, and has for its object to provide an improved pad which can be easily and cheaply manufactured, as easily secured and retained in place on the tread without tacks or other external fastenings, fitted to any tread, whether straight, curved, or irregular in outline, and can be readily reversed to distribute the wear and restore the filling, when bunched, to its original position.

The invention consists, mainly, of a pad formed of, in addition to the usual elastic filling and fabric covering, a skeleton frame of flexible inelastic material—such as commercial tin—which is inclosed within the fabric covering, so that the pad can be bent at will to engage as a hook the front edge of the stair-tread and as readily straightened again and bent in another place for reversal.

In order that the invention may be clearly understood, I will first describe in detail a stair-pad embodying my invention, and then point out its distinctive features in the claim.

Reference is to be had to the accompanying drawings, forming part of this specification, in which Figure 1 is a cross-sectional view of a pad embodying my invention applied to a stair-tread. Fig. 2 is a plan view of the said pad before application, part of the covering and filling being removed to reveal the frame. Fig. 3 is a cross-sectional view of the same on the line X X, Fig. 2. Fig. 4 is a plan view of a slightly-modified construction of pad, part being removed. Fig. 5 is a cross-sectional view of the same on the line Y Y, Fig. 4.

Like letters of reference designate corresponding parts in the several figures of the drawings.

In making the pad shown in Figs. 1, 2, and 3 a skeleton frame A, of rectangular form, is

formed of longitudinal side strips B, of flexible inelastic material, preferably thin sheet-tin and cross-strips C, of like material, having their ends turned over and soldered to the strips B. The frame A, with the usual hair, cotton, or other elastic filling D, either above or on both sides of it, is then covered with fabric E in the ordinary manner, and, to better secure the cover E to the frame A, eye-rivets F are driven through both sides of the cover E and the intervening frame A, preferably at the intersection of the longitudinal and cross strips composing the same.

In the modified form of pad illustrated in Figs. 4 and 5 longitudinal wires B', of iron or other suitable material, are substituted for the longitudinal strips B in Figs. 1, 2, and 3.

In applying these pads to a stairway the pad is placed on the tread with its longitudinal edge projecting from the front edge of the tread, and the projecting edge of the pad then bent downward and inward, so as to engage as a hook the projecting portion of the tread, by which it will be retained in place, afterward being secured by the stair-carpet when stretched over the tread.

When the pad becomes worn or its filling bunched, as is usual, the carpet being raised, the pad can be straightened, again reversed, so as to bring its other longitudinal edge forward, and said edge then bent as before, when the filling will naturally be shifted by use to its normal position.

These pads, when not in use, being flat, can be easily and compactly stowed or packed, and, owing to their flexibility, can be bent to suit the shape of the tread, whether straight, curved, or inclined laterally.

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

The herein-described stair-pad, consisting of a fabric covering inclosing an elastic filling and a frame of flexible inelastic material, as set forth.

J. ALBERT RUDKIN.

Witnesses:

MAURICE RAPP,
CLARENCE BERGER.