

N. C. PARKER.
 PROTECTIVE PAD FOR STAIRS.
 APPLICATION FILED SEPT. 23, 1919.

1,344,310.

Patented June 22, 1920.

Fig. 1.

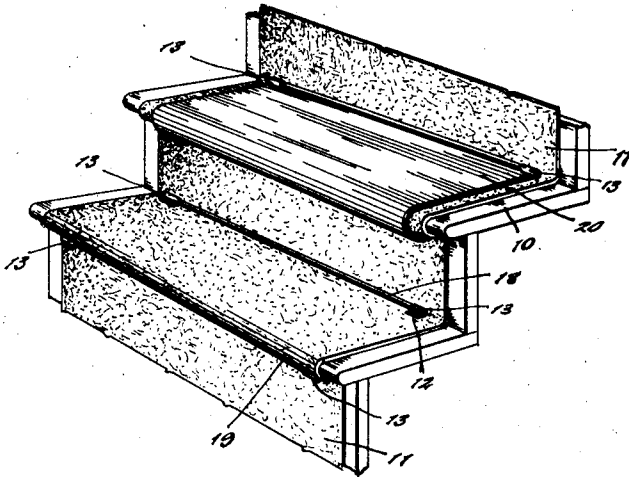


Fig. 2.

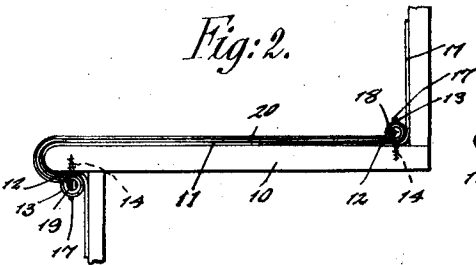


Fig. 3.

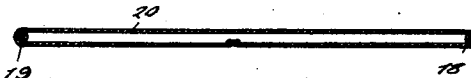


Fig. 5.

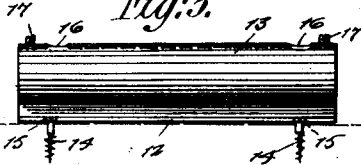


Fig. 6.

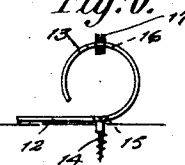


Fig. 4.

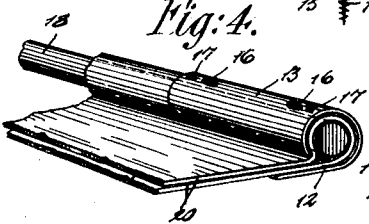
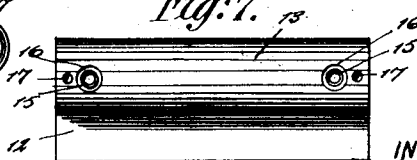


Fig. 7.



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PROTECTIVE PAD FOR STAIRS.

1,344,310.

Specification of Letters Patent. Patented June 22, 1920.

Application filed September 23, 1919. Serial No. 325,717.

To all whom it may concern:

Be it known that I, NORMAN C. PARKER, a citizen of the United States, and a resident of Chicago, Ill., have invented certain new and useful Improvements in Protective Pads for Stairs, of which the following is a specification.

The present invention relates to improvements in protective pads for stairs, and particularly has for its object to provide a pad with which a new surface may be brought into place as quickly as those parts which receive the greatest amount of wear, that is, along the edge of the stair step, become sufficiently worn as to necessitate renewal. Heretofore the whole pad or strip had to be discarded when these parts became worn, whereas according to the present invention I propose to successively subject all portions of the material to this intensive wear thereby utilizing its whole structure without waste, and presenting at all times a neat and unimpaired appearance.

I further propose to provide a pad which may be quickly attached, will be held taut, thereby preventing wrinkling, and may be taken up with facility at any time, and washed or otherwise cleaned.

With these and other objects in view, an embodiment of my invention is shown in the accompanying drawings, and this embodiment will be hereinafter more fully described with reference thereto, and the invention will be finally pointed out in the claims.

In the accompanying drawings,

Figure 1 is a perspective view showing carpeted stair steps, one of which is provided with my improved pad, while upon another step I have illustrated certain portions of the device;

Fig. 2 is a side view of a step provided with the pad;

Fig. 3 is an edge view showing the pad, and the supporting rods therefor inserted at the ends;

Fig. 4 is an enlarged perspective view of one of the securing fixtures, and showing a portion of the pad and supporting rods inserted therein; and

Figs. 5, 6 and 7 are front, end and top views respectively, of the securing fixtures according to the present embodiment of the invention.

Similar reference characters indicate cor-

responding parts throughout the several figures of the drawings.

Referring to the drawings, the stair steps 10 are provided with a strip of carpet 11 in the usual manner, and in the four corners of the step, that is, at the back of the step adjacent the rise of the next step, and at the front of the step at the under side of the ledge or overhanging portion, and preferably inwardly of the edges of the carpet, there are provided retaining or securing fixtures consisting of a strip of metal having a flat portion 12 adapted to be engaged with the step, and a tubular bent over portion 13 having its edge spaced from the portion 12 to provide a slot. The fixtures are secured to the step by means of screws 14, openings 15 being provided in the portion 12 therefor, while in the portion 13 there are provided enlarged holes 16 for the insertion of a screw driver. Set screws 17 are provided in the portion 13 for retaining the pad in place, as will presently more fully appear. The fixtures, it is clear, may also be employed for securing the carpet upon the steps in place of the usual tacks.

Rods 18 and 19 are adapted to have their ends disposed in the fixtures, and held thereby by the set screws 17, and over these rods extends the pad which consists of a strip of heavy canvas or other suitable material, having its ends sewed together so as to form a continuous band. The side edge of the band preferably extends to the ends of the rods which are inserted in the fixtures as shown in Fig. 4, the pad extending through the slot of the fixtures. The set screws 17 are tightened to hold the rod in place and by engagement with the pad, holds the same against side movement and looseness.

When it is desired to renew a worn portion of the pad, the set screws may be loosened to permit removal of the rods, and by shifting the pad upon the rods, the worn portion may be rolled under a short distance and out of sight. The pad may with facility be detached for cleaning and as readily put in place again. The holding of the pad by the rods and set screws, retains it at all times in a taut condition making it neat and attractive in appearance, and preventing stretching of the same by the scuffing of the feet as they engage the pad. For hotels, public buildings, etc., where the pad is sub-

jected to intense and constant usage, it will be preferably formed of a heavy canvas, while in homes, linen or other suitable material may be used, and the same may be of any desirable color or design.

I have illustrated and described a preferred and satisfactory embodiment of my invention, but it is obvious that changes may be made therein within the spirit and scope thereof as defined in the appended claims.

I claim:—

1. A protective pad of the character described for use on carpeted stairs and including a flexible and endless band of a suitable protective material placed over the carpet on each step of the stairs, retaining means fitting within the opposite closed ends of the endless flexible band for permitting movement of the band thereon whereby successive renewal portions may be brought up-
permost, said means being non-continuous and allowing the upper and lower runs of the band to come together between the retaining means.

2. A protective pad for stairs, comprising a continuous band of a protective flexible material having an upper wearing surface, a pair of retaining rods extending through said band adapted to permit shifting of said band to enable successive renewal of portions of the wearing surface, and fastening means to secure said rods in spaced relation to hold said band stretched.

3. A protective pad for stairs, comprising a continuous band of a protective flexible material having an upper wearing surface, a pair of retaining rods extending through said band adapted to permit shifting of

said band to enable successive renewal of portions of the wearing surface, fastening means to secure said rods in spaced relation to hold said band stretched, and consisting of socket members to receive the ends of said rods, and means for removably securing said rods therein.

4. A protective pad for stairs, comprising a continuous band of a protective flexible material having an upper wearing surface, a pair of retaining rods extending through said band adapted to permit shifting of said band to enable successive renewal of portions of the wearing surface, fastening means to secure said rods in spaced relation to hold said band stretched, and consisting of socket members to receive the ends of said rods, and means to secure the ends of said rods and the margins of said bands, said means engaging the ends of said rods and the margins of said bands to removably secure said rods in said socket members and to prevent side shifting movement of said band.

5. A protective stair pad, comprising an endless band of protective flexible material having an outer wearing surface, and retaining means placed within the endless band and adapted to permit shifting of said band to enable successive renewal of portions of the wearing surface, said retaining means being movable apart for drawing the endless band taut.

In testimony that I claim the foregoing as my invention, I have signed my name hereunder.

NORMAN C. PARKER.