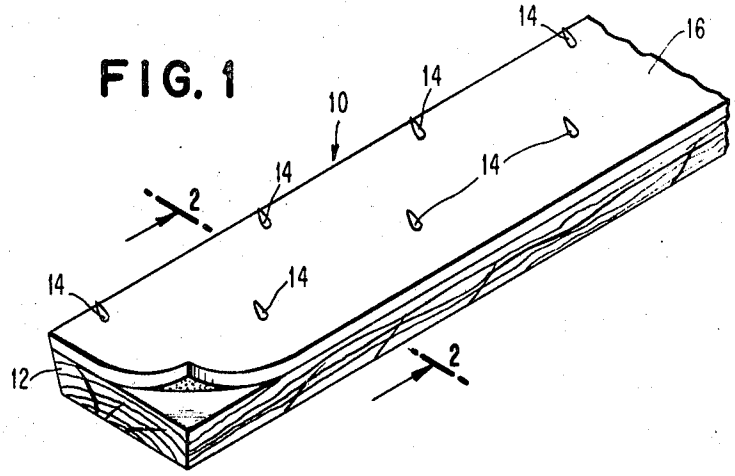
Sept. 15, 1970 J. L. DIPELESI 3,528,123

CARPET FASTENING DEVICE

Filed July 1, 1968

FIG. 1



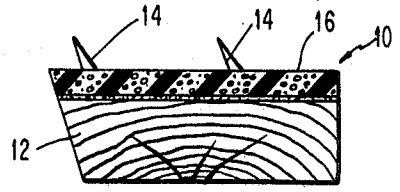


FIG. 2

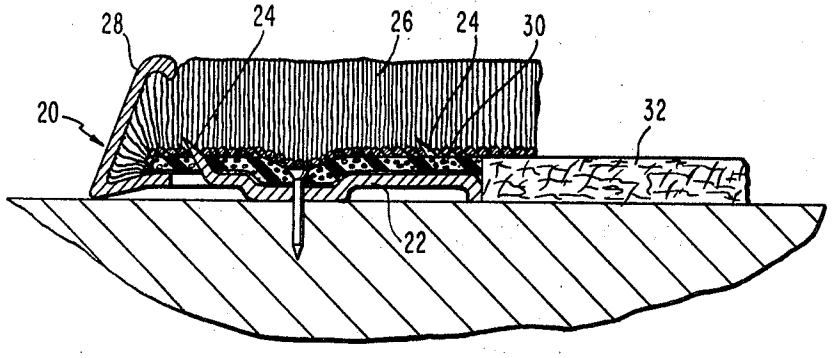


FIG. 3

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CARPET FASTENING DEVICE

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U.S. Cl. 16—16 6 Claims

ABSTRACT OF THE DISCLOSURE

A carpet fastening device, adapted to be secured to a surface, having an elongated thin strip of rigid material with inclined protruding projections, and a layer of resilient padding material on the top surface of the strip.

FIELD OF THE INVENTION

The invention relates to securing fabric coverings, more specifically carpeting, the floors and other surfaces.

PRIOR ART

The laying of carpets and other floor coverings is a relatively old art. Originally carpets were secured in place with nails or tacks. This technique was later improved on with the development of carpet securing strips. These strips in general have a relatively thin elongated base, typically of wood or plywood, which include upwardly extending projections. The projections, typically nails are all inclined in the same direction. In use the strips are secured to the floor along the edge of the room, or periphery of the area that the carpet is to cover. The carpet is then stretched and hooked on the projections. Variations of the securing strip were developed for ending the carpet, as for example across a doorway. Generally the strip included an upwardly extended flange along the leading edge. This flange could be bent over against the carpet after it was hooked in place.

When laying a carpet it is conventional to provide a relatively thick pad or cushion beneath the carpet. The pad is installed to abut the securing strip. The thickness of the pad usually is comparable to the thickness of the strip. Thus there is presented a generally smooth and flat upper carpet surface.

However, with this known arrangement the carpet over the securing strips wears at a faster rate than the carpet supported by the pad. This is particularly noticeable when the carpet ends over a well traveled area, such as a doorway. The carpet immediately above the strip rapidly becomes threadbare while the remaining carpet retains its original condition. The presence of the hooks may also accelerate the wear which together with the hard unpadded surface results in rapid wear. This situation frequently necessitates the replacement of large expanses of perfectly good carpet merely because a very small area is worn out.

There is thus presented a troublesome problem which prior to my invention did not have a satisfactory solution.

It is the object of this invention to reduce the rate of carpet wear which occurs over carpet securing strips.

Another object of the invention is to provide a carpet securing strip which reduces carpet wear and is convenient to install and relatively inexpensive.

SUMMARY OF THE INVENTION

These and other objects are met by the carpet securing strip of my invention.

The carpet securing strip of the invention has an elongated base of rigid material, a plurality of spaced sharp projections extending outwardly from the top surface of this base, and a resilient layer of material on the top surface between the projections. The resilient layer of material provides a cushion over the hard upwardly facing surface of the base which reduces carpet wear over this region.

BRIEF DESCRIPTION OF THE DRAWINGS

These and other objects, features and advantages of the invention will be apparent from the following description, appended claims and the annexed drawings.

Referring to the drawing wherein like reference characters designate like parts in the several views:

FIG. 1 is a perspective view of a first preferred embodiment of my invention.

FIG. 2 is a cross sectional view taken on line 2—2 of FIG. 1.

FIG. 3 is a transverse cross sectional view of another preferred embodiment of my invention shown secured to a floor and securing the edge of a carpet.

GENERAL DESCRIPTION

Referring now to FIG. 1 and FIG. 2 of the drawing, there is shown a first preferred specific embodiment of the carpet fastening device of my invention. The carpet fastening device **10** has an elongated base **12** of rigid material. In the embodiment **10** the base is made of wood, preferably a strip of plywood approximately one-fourth of an inch in thickness and about three-fourths to one inch in width. It is understood, however, that the base can be made of any suitable material and have any suitable thickness and width. A plurality of spaced sharp projections **14** extend upwardly from base **12** approximately one-fourth of an inch. The projections, as most clearly indicated in FIG. 2 are transversely inclined in a common direction. The projections **14** are typically nails driven through base **12**. However, it is understood that the projections can be formed by any suitable elements or techniques.

A layer of resilient material **16** is provided on the top surface of base **12**. The layer **16** can be any suitable thickness but is typically on the order of 1/16 to 3/16 of an inch. The layer can be made of any suitable resilient material such as rubber, jute, loosely woven fabric, hair, plastic material, foamed materials, or combinations thereof. The preferred material is a relatively thin layer of foamed or cellular plastic. The layer **16** is preferably adhered to base **12** by any suitable adhesive.

The carpet strip **10** is installed in the same manner as a conventional carpet securing strip, namely by securing it to the floor and hooking the carpet thereto. The additional layer of padding **16** makes a very significant difference in the wear characteristics of the finished carpet.

In FIG. 3 there is depicted still another preferred specific embodiment of my carpet fastening device **20**. This type device is useful for use through doorways, or stopping the carpet in an open area. Device **20** has a base **22** of metal, typically an elongated strip of aluminum. Projections **24**, used to engage the carpet **26**, are formed from base **22** by cutting serrations from the strip and bending them upwardly as shown. An upwardly extending flange **28** is provided on the leading edge of base **22**. In use carpet **26** is hooked into place in abutting relation to the flange **28**, and the flange bent downwardly against the edge of the carpet. A resilient layer of material **30** is secured to the top surface of base **22** to provide a padding for carpet **26**. The layer is similar to layer **16** as described in the embodiment described in FIG. 1 and FIG. 2.

The carpet fastening strip **20** is secured to the floor with nails **32**, or other suitable means. If desired the strip can be formed into a channel configuration as shown in FIG. 3. In installing the carpet, the strip is typically secured, padding **32** is laid in abutting relation

to strip **20**, the carpet **26** hooked in place and flange **28** bent to securely hold the edge of the carpet.

While the invention has been particularly shown and described with reference to preferred embodiments thereof, it will be understood by those skilled in the art that various changes in form and detail can be made therein without departing from the spirit and scope of the invention.

I claim:

1. In a carpet fastening device having an elongated base of rigid material having a top substantially flat surface, and a plurality of spaced sharp projections extending outwardly from the flat surface of the base and inclined in common transverse direction, the improvement comprising, a resilient layer of material adhered to said base on said relatively flat surface to serve as a carpet pad whereby wear on a carpet over said device is reduced.

2. The carpet fastening device of claim **1** wherein said material of said layer is a layer of cellular material.

3. The carpet fastening device of claim **1** wherein said elongated base is a metallic strip, and said projections are upwardly extending serrations of said strip.

4. The carpet fastening device of claim **3** wherein said metallic strip is provided with a generally upwardly extending flange.

5. The carpet fastening device of claim **1** wherein said elongated base is a wood strip, and said projections are nails protruding through said strip.

6. The carpet fastening device of claim **1** wherein said material of said layer is fabric material.

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