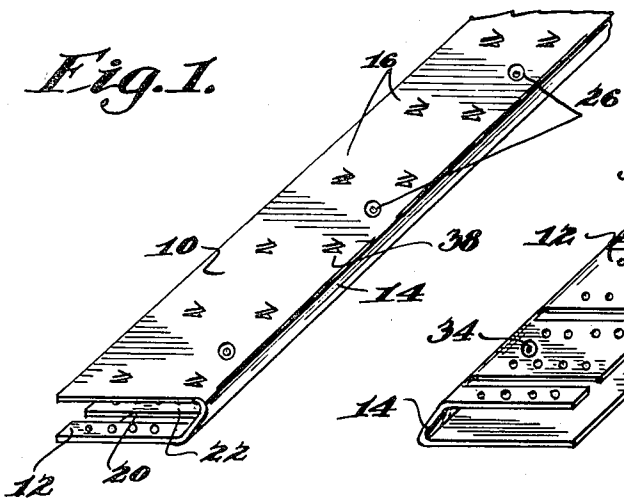
Jan. 24, 1956 J. M. WHITE 2,731,660

ANCHOR EDGE

Filed Oct. 2, 1952

Fig. 1.



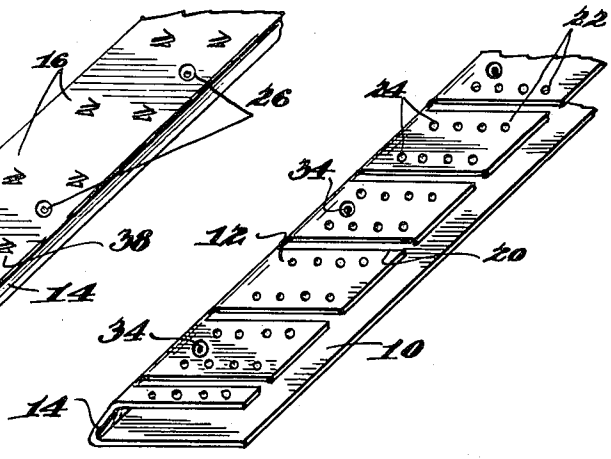


Fig. 2.

Fig. 5.

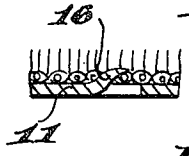
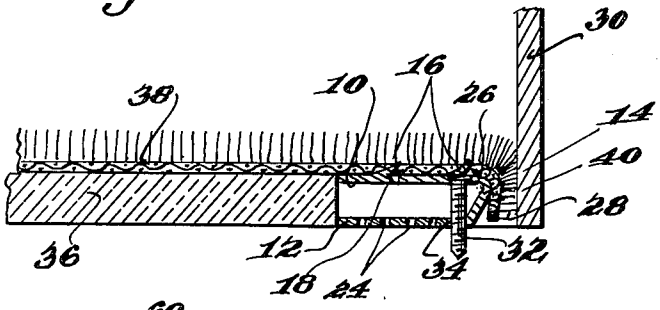


Fig. 3.



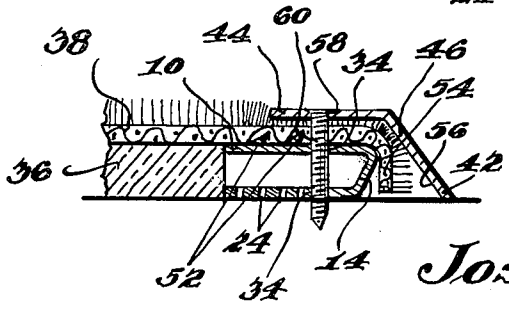


Fig. 4.

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ANCHOR EDGE

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Application October 2, 1952, Serial No. 312,783

11 Claims. (Cl. 16—7)

This invention relates to carpet anchor means and particularly of a type designed to firmly secure the floor covering at wall edges, across doors, hearths or other sills and abutments where the abutting surfaces are three-eighths of an inch or more above the floor level.

Due to the positioning of the attaching means adjacent an abutting edge the use of the conventional attaching means present many installation and replacement problems. Unsightly bulging or crimping of the carpet was a common fault through the use of these earlier constructions as well as the resultant marring of the flooring or tearing of the carpet through the use of nails, staples, screws or other faulty securing means.

It has also been found that due to the unevenness of floors, a void or space between the carpet and/or fastener with the floor which resulted in a catch-all for dust and dirt at these locations. These conditions were found to be increased where an under padding was used between the carpet and floor. In many instances where an adhesive had been used in direct contact with the carpet or inadequate carpet securing means, the floor covering would follow the valleys or floor contours with the resultant irregularities and generally unsightly appearance, particularly at the junction with another abutting surface.

It is an object of my invention to provide carpet anchoring means or edging to be applied to floor surfaces where the floor covering terminates at an edge, sill or abutment of a height an appreciable distance above that above the floor level and still present, after installation, a flat even and finished floor covering and anchor trim.

Another object is to provide a carpet anchor trim which may be efficiently and rapidly applied to floor surfaces as well as being readily removed when replacement of the worn covering occurs.

A further object is to provide an anchor trim that may readily be secured to surfaces other than wooden flooring.

Still another object is to provide carpet anchoring means that may be installed without nails, screws, tacks or staples.

Another and further object is to provide carpet anchoring trim which enables the positive use of an adhesive to create a key lock between the floor surface and carpet anchoring means.

Other and further objects of the invention will become apparent from a consideration of the following detailed description thereof, and of one form of the apparatus which may be employed to practice the invention as illustrated in the accompanying drawings in which:

Figure 1 is a perspective view of my improved wall strip carpet anchoring construction.

Figure 2 is a similar view in reverse position to show the bottom construction of the anchoring means.

Figure 3 is a fragmentary cross-sectional view showing the application of my wall strip carpet anchoring means.

Figure 4 is a cross-sectional view showing a modification disclosing the combination of my wall strip carpet anchoring device with a carpet saddle.

Figure 5 is an enlarged fragmentary sectional view showing one of the hook-like prongs in engagement with the rings of the carpet.

In the drawings where like reference characters denote like parts, the numeral **10** indicates the top surface of an approximate U-shaped construction while the lower section **12** is shown spaced from the upper surface by a front slanting wall **14**. A double parallel row of spaced prongs or arcuate hook-shaped members **16** are shown, forced out of the metal, preferably of extruded aluminum alloy, creating openings **18** in the metal, these prongs curving inwardly and faced toward the front or closed edge of the anchoring device.

Parallel spaced slits or cut-out portions **20** are made in the lower section **12** forming approximately squared plates **22** spaced throughout the longitudinal length of the anchor. These sections remain integrally connected at their ends with the inwardly slanting or tapered front edge **14**. A plurality of spaced small perforations **24** are made in the sections in the lower horizontal surface **12** for a purpose to be subsequently described. Larger spaced beveled openings or apertures **26** are also made in the top section **10**. These openings **26** are provided for the reception of screws **32** as will be subsequently described to additionally secure the anchor to the floor. I have also provided a parallel double row of spaced prongs or hook-like members **16** for a purpose to be later explained.

In application, the floor surface immediately below the locations where the anchor strip is to be installed is first coated with the adhesive and the anchoring device positioned directly thereupon.

The anchor strip is placed in position with the forward or closed edge **14** spaced a sufficient distance short of the wall **30** as shown in this view of the particular abutment so as to provide an adequate gully **28** of sufficient width. As explained above, the adhesive will contact the perforated areas **22** and will seep into these openings and also spread and run well into the slits **20** and create a key lock at each of these locations between the flooring and the anchor trim.

Additional anchor fastening or securing means is provided by insertion of screws or nails **32** into the beveled apertures **26** and the oppositely opposed openings **34** in the bottom sections. The screws **32** are adapted to be screwed through the openings **26** and **34** in the U-shaped anchor trim and then into the flooring to additionally insure a firm attachment of the anchor to the flooring, the head being countersunk so as to leave a smooth surface at these locations over which the carpeting is to be applied. This construction provides a complete and adequate trim anchoring means to preclude movement or dislodgement of the anchor trim and carpet and yet enable rapid installation and speedy replacement.

As previously explained, the adhesive will seep through the openings in the separated plate sections as well as in the slits or spaces therebetween and when dry will firmly and securely key lock the anchor strip. The addition of the screw through the anchor device near the front edge aids materially in strengthening the structure at this forward location.

In application, after the adhesive has set and the screws installed, the padding **36** is placed in abutting position against the rear or open edge of the strip. The carpet **38**, previously cut, is brought up parallel to the anchor edge, under pressure, over the under padding and top surface **10** until the hook-like prongs engage the warp of the carpet to firmly secure the longitudinal edge against subsequent dislodgement. The end **40** is then forced or compressed within the gulley **28** and because of the pointed top forward edge of the anchor restricting the longitudinal opening the ends when forced into this restricted gulley will be retained within. In addition, although this particular portion of the carpet is forced along the entire length into

the gulley, a right angular effect is obtained due to the nap of the carpet extending rather fully above the junction and by so doing completely obliterates or covers the opening along the entire length.

It is to be observed that the slits in the lower section **12** have an additional value in that in cutting the trim to span a definite width it becomes necessary for the workman to cut a section while on the job. Due to this lower section being previously cut the subsequent cutting of the upper surface is expedited. The flexibility of this construction adds greatly to the installation of the anchor trims and also constitutes a saving of time.

In Figure 4 I have provided a carpet saddle **42** to be used in combination with the anchor edging shown above. This saddle member is formed by two angularly disposed converging surfaces **44** and **46** to establish an obtuse angle therebetween. After the adhesive used in installing the anchor has set and the carpeting **38** has been laid and pulled up for engagement with similar row of hooks **52** and the carpet end **54** forced or compressed into the gulley **56**, the carpet saddle **42** is then placed over the covering at this location with the forward edge also extending down into the gulley **56**. In the event the saddle is to be used differently, as to just provide a finished edge for a carpet, this edge will merely extend down into contact with the floor.

A beveled opening **58** is provided in the rear portion **44** of this saddle for the reception of a screw **60** longer than the one used in Figure 3, which will be countersunk in the plate section **44**, passing through the carpet, the apertures **26** and **34** of the anchor and well into the flooring to firmly secure the combined structures. It is obvious that the anchor trim is previously secured as in the form shown in the Figures 1 to 3. This construction also acts as a bridge for the space adjacent the carpet end and also serves to additionally provide a gully concealing means and further reduces the collection of dust along this strip.

This saddle strip **42** is also used to provide a durable edging at locations such as freight entrances, elevator entrances and other places where there is an excessive and heavy amount of traffic.

Although the screw **60** in Figure 4 is shown extending through the lower surface **12** into the floor it is conceivable that a shorter screw can be used so as to stop short of this surface **12** and still adequately support the protective plate at the end of the carpet.

The enlarged sectional view shown in Figure 5 more accurately defines the hook-like prongs **16** forced out of the metal of strip **11**.

Although I have described the illustrated embodiments of my invention in considerable detail, it will be understood by those skilled in the art that modifications and variations may be made without departing from the spirit of my invention. The various forms may be modified or changed to meet conditions, but basically the subject disclosure only broadly reflects this development. I do not, therefore, wish to be limited to the specific embodiments of my invention shown and described herein, but claim as my invention all modifications coming within the scope and purview of the appended claims.

What is claimed is:

1. An anchor edge for the installation of a carpet in close proximity to a wall or other abutments including an integral one piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, said lower section including means for securing said trim to the flooring and means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet.

2. An anchor edge for the installation of a carpet in close proximity to a wall or other abutments including an integral one piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, said lower section including means for securing said trim to the flooring, said means comprising a plurality of apertures in the lower section adapted to be installed directly over an adhesively coated floor surface, said adhesive adapted to seep into said apertures to create a lock between said trim and the floor, and means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet.

3. An anchor edge for the installation of a carpet in close proximity to a wall or other abutments including an integral one piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, said lower section including means for securing said trim to the flooring and means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet, said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in an approximate same plane as the upper section and to secure said carpet against dislodgement.

4. An anchor edge for the installation of a carpet in close proximity to a wall or other abutments including an integral one piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, said lower section including means for securing said trim to the flooring and means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet, said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in an approximate same plane as the upper section and to secure said carpet against dislodgement, said U-shaped trim having a plurality of spaced beveled openings adapted to receive screws extending therethrough into the flooring, the open rear edge of said U-shaped trim adapted to be positioned in abutting relationship with an underpadding, said carpet adapted to overlie said underpadding and the upper surface of said U-shaped trim for engagement with the forwardly extending prongs.

5. An anchor edge for the installation of a carpet in close proximity with a wall or other abutment including an integral one-piece U-shaped trim having parallel upper and lower sections connected by a downwardly and inwardly extending edge, said lower section comprising a plurality of spaced plate members, each having spaced openings formed therein, carpet securing means on said upper section, adhesive applied to the under surface of said trim and adapted to seep between the spaced plate members and into said apertures whereby a lock is created between said trim and the flooring, said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in an approximate same plane as the upper trim section and to secure said carpet against dislodgement, said upper and lower sections each having a plurality of spaced openings therethrough adapted to receive screws whereby said trim is additionally secured to said flooring.

6. An anchor edge for the installation of a carpet in close proximity with a wall or other abutments including an integral one-piece U-shaped trim having parallel upper and lower sections connected by a downwardly and inwardly extending edge, carpet securing means on said upper surface, adhesive applied to the under surface of said lower section, said lower section including means for securing said trim to the flooring, said last named means including a plurality of spaces formed in said trim and extending from front and rear edges in the lower section to form a plurality of separated sections, said separated sections each having a plurality of spaced apertures formed therein, said apertures and the spaces between said separated sections adapted

to retain the adhesive seeping from the trim under surface to create a lock between said trim and said floor.

7. An anchor edge for the installation of a carpet in close proximity with a wall or other abutments including an integral one-piece U-shaped trim having parallel upper and lower sections connected by a downwardly and inwardly extending edge, carpet securing means on said upper surface, adhesive applied to the under surface of said lower section, said lower section including means for securing said trim to the flooring, said last named means including a plurality of spaces formed in said trim and extending from front and rear edges in the lower section to form a plurality of separated sections, said separated sections each having a plurality of spaced apertures formed therein, said apertures and the spaces between said separated sections adapted to retain the adhesive seeping from the trim under surface to create a lock between said trim and said floor, and said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in the approximate same plane as the upper section and to secure said carpet against dislodgement.

8. An anchor edge for the installation of a carpet in close proximity with a wall or other abutments including an integral one-piece U-shaped trim having parallel upper and lower sections connected by a downwardly and inwardly extending edge, carpet securing means on said upper section, adhesive applied to the under surface of said lower section, said lower section having a plurality of spaces formed therein so as to form a plurality of spaced sections, said separated sections each having a plurality of spaced apertures formed therein, said apertures and the spaces between said separated sections adapted to retain the adhesive seeping from the trim under surface to create a lock between said trim and the flooring whereby said trim is secured to said flooring, said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in the approximate same plane as the upper section and to secure said carpet against dislodgement, said U-shaped trim having a plurality of spaced beveled openings adapted to receive screws extending therethrough into the flooring, the open rear edge of said U-shaped trim being adapted to be positioned in abutting relationship with an underpadding, said carpet adapted to overlie said underpadding and the upper surface of said U-shaped trim for engagement with the forwardly extending prongs.

9. An anchor edge for installation of a carpet in close proximity to a wall or other abutments including an integral one-piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, the lower section having means for securing said trim to the flooring, said means comprising a plurality of apertures in the lower section adapted to be installed directly over an adhesively coated floor surface whereby said adhesive is adapted to seep into said apertures to create a lock between said trim and the flooring, and means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet comprising an angular plate, said angular plate having a plurality of openings in the upper part thereof, said angular plate adapted to be secured over the edge of a carpet and the front portion of said U-shaped trim whereby the edge of said carpet is concealed and protected, and screws passing through said protective plate adapted to pass through a carpet and passing through said trim whereby said angular plate is secured over said carpet and trim.

10. An anchor edge for installation of a carpet in close proximity to a wall or other abutments including an integral one-piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, the lower section having means for securing said trim to the flooring, said means comprising a plurality of apertures in the lower section adapted to be installed directly over an adhesively coated floor surface whereby said adhesive is adapted to seep into said apertures to create a lock between said trim and the flooring, and means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet comprising an angular plate having a plurality of openings in the upper part thereof, said angular plate adapted to be secured over the edge of the carpet and the front portion of said U-shaped trim whereby the edge of said carpet is concealed and protected, screws passing through said protective plate adapted to pass through a carpet and passing through said trim whereby said angular plate is secured over the carpet and trim, and said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in the approximate same plane as the upper section whereby said carpet is additionally secured against dislodgement.

11. An anchor edge for the installation of a carpet in close proximity to a wall or other abutments including an integral one-piece longitudinally extending U-shaped trim, said U-shaped trim comprising parallel upper and lower sections connected by a downwardly and inwardly extending edge, the lower section having means for securing said trim to the flooring, said means comprising a plurality of apertures in the lower section adapted to be installed directly over an adhesively coated floor surface whereby said adhesive is adapted to seep into said apertures to create a lock between said trim and the floor, means for securing the carpet to the opposite section of said trim and means for protecting the outer edge of said carpet comprising an angular plate, said angular plate having a plurality of openings in the upper part thereof, said angular plate adapted to be secured over the edge of a carpet and the front portion of said U-shaped trim whereby the edge of said carpet is concealed and protected, and screws passing through said protective plate adapted to pass through a carpet and passing through said trim for securing said angular plate over the edge of a carpet secured to said trim, said carpet securing means comprising a plurality of forwardly extending arcuate hook-shaped prongs adapted to lie in the same approximate plane as the upper section and to secure said carpet against dislodgement, said U-shaped trim having a plurality of spaced beveled openings adapted to receive screws extending therethrough into the flooring, the open rear edge of said U-shaped trim adapted to be positioned in abutting relationship with an underpadding, said carpet adapted to overlie said underpadding and the upper surface of said U-shaped trim for engagement with the forwardly extending prongs, said prongs, of arcuate hook-shaped formations, adapted to engage the underside of said carpet to maintain said carpet in a completely flat horizontal position, the forward edge of said U-shaped trim adapted to be placed short of said abutment so as to create a gulley therebetween so that the edge of said carpet may be compressed past the forward edge of said trim to secure the ends within said gulley and present a right-angular appearance at the junction of the trim and abutment.

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