This invention relates to anchoring devices for wall members and floor coverings, one of the objects being to produce a simple anchoring device whereby elongated molding strips can be very easily and quickly attached to and removed from walls, without in any way mutilating either the molding strips or the walls. This feature is particularly advantageous in anchoring and removing the quarter-round, or base shoe, which is ordinarily nailed to a base-board at the bottom of a wall.

Another object is to produce a simple means for firmly pressing the marginal portions of a floor covering toward the floor.

More specifically stated, a further object is to detachably anchor the margins of a floor covering under conditions which enable the covering to be very readily attached, or removed, without resorting to the time and trouble heretofore involved in driving tacks or nails through the floor covering. This feature also eliminates the trouble of pulling the usual tacks or nails when the floor covering is to be removed.

With the foregoing and other objects in view, the invention comprises the specific combinations and arrangements of details herein shown and described as illustrative examples of the novel conditions. However, it is to be understood that the scope of the invention extends to various modifications more broadly described by terms of the claims hereunto appended.

Fig. 1 is a front view of a portion of an elongated anchoring strip adapted for use in the present invention.

Fig. 2 is a fragmentary vertical section showing a base shoe and a floor cover detachably secured to the anchoring strip.

Fig. 3 is a top view of the strip shown in Fig. 1.

Fig. 4 is a view similar to Fig. 2, showing another form of the invention.

Fig. 5 is a front view of a fragment of the anchoring strip shown in Fig. 4.

Fig. 6 is a view similar to Fig. 2 illustrating a form wherein the floor covering is secured in a conventional manner, while the base shoe is detachably anchored above said floor covering.

Fig. 7 is a detail view of a spring clip of the type shown in Fig. 6.

In Fig. 2, I have shown a portion of a wall extending upwardly from a floor, and an ordinary base board at the bottom of the wall. In this view, the detachable molding strip appears as a base shoe 14, of the quarter-round type; at the front of the base board. Base shoes, or quarter-rounds, of this type are usually in the form of elongated wooden strips, and the base shoe 11 may be regarded as an elongated wooden strip resembling an ordinary quarter-round. However, the rear face of the base shoe 11 (Fig. 2) is provided with a longitudinal groove or recess to receive an elongated anchoring device which will be presently described.

The anchoring device for the base shoe may be provided with suitable details which receive and anchor marginal portions of a floor covering. In Fig. 2, the floor covering comprises a carpet 13 seated on a thick pad 14, a marginal portion of the carpet being extended beyond the pad and located directly below the base shoe 11.

To illustrate a suitable form of the anchoring device, I have shown (Figures 1, 2, and 3) an elongated anchoring strip 16 made of sheet metal having an approximately horizontal seat 15 for the bottom marginal surface of the carpet 13, spacing lugs 16 and 17 extending downwardly from said seat to separate it from the floor, and attaching prongs 18 projecting upwardly from said seat to enter into the carpet. The prongs 18 can be punched upwardly from the seat 15, and bent rearwardly as shown in Fig. 2 to provide a desirable anchorage for the carpet. The spacing lugs 17 may be punched downwardly from the seat 15, while the lugs 16 are bent downwardly at the front of said seat. The seat 15 may be located in a horizontal plane approximately flush with the top of the pad 14.

The anchoring strip shown in Figures 1, 2 and 3 also includes a clip device comprising a longitudinal strip member 19 bent upwardly at the rear of the seat 15 and having holes 20 (Fig. 1) to receive screws, or the like, whereby the anchoring device may be attached to the base board 10 as shown in Fig. 2. Spring clips 21 extend forwardly and downwardly from the upper portion of the strip member 19, and project into the longitudinal recess 12 at the rear of the base shoe 11. This longitudinal recess is elongated to freely receive all of the spring clips, and the wooden base shoe is slidable laterally away from the bottom face of the spring clips, so as to completely detach the entire base shoe from its anchoring device.

It will be noted in Fig. 2 that the bottom of said recess 12 is extended upwardly toward the rear of the base shoe 11, so as to provide an upwardly inclined longitudinal abutment within the base shoe, and that the extended spring clips 21 have downturned abutment members yieldably seated on said upwardly inclined abutment, thereby forcing the base shoe 11 downwardly toward the
floor, and rearwardly toward the base board 10. The base shoe has a bottom abutment face located directly below the spring clips which firmly press said base shoe 11 onto the "pile" of the carpet and thereby forcing a margin of the carpet onto the anchoring prongs 18.

The clips 21 are separated from each other (Fig. 1) and yieldable independently of each other, so as to effectively compensate for irregularities in the more or less flexible said clips, which are formed in the base shoe 11. In manufacturing the device, any desired number of these clips may be formed in alignment with each other, so as to appear in an elongated row.

The base shoe 11 can be readily attached by forcing it down into the "pile" of the carpet and causing it to slip under the yieldable clips, to the position shown in Fig. 2, thereby firmly anchoring the carpet at the attaching prongs 18.

To remove the carpet, the base shoe 11 is released from the spring clips, and the carpet is then merely lifted from the prongs 18. A special advantage appears in the ease with which a base shoe can be removed and replaced independently of the floor covering, this being occasionally desirable when a base shoe is to be repaired or replaced by a new shoe. In fact, a substantial advantage appears warranting the invention is merely employed to detachably secure a base shoe, without attaching a floor covering.

While the device shown in Figures 1, 2 and 3 includes a suitable arrangement of spring clips which, it is to be understood, the invention is not limited to such details, excepting as specified in the claims.

I will now refer to a modification shown by Figures 4 and 5 wherein a base shoe 22 is grooved at the rear and bottom to form a rib 23 adapted to be grasped by upper and lower spring clips 24 and 25 extending from a metallic strip member 26, which is attached to the base board 10. Aside from this arrangement of the clips and base shoe, the device of Figures 4 and 5 is practically identical with Figures 1 and 2.

However, Figures 6 and 7 illustrate a form wherein a floor covering 27 is fastened to the floor by means of tacks, while yieldable anchoring devices are employed to detachably secure a base shoe 28 having a longitudinal recess 30 in its rear face. Any desired number of yieldable clips 31 may extend into said recess 30 and press downwardly on the inclined bottom thereof, so as to force the base shoe 29 rearwardly against the base board 10, and downwardly onto the floor covering. In other words, the bottom of the base shoe provides a presser member which presses a marginal portion of a floor covering toward the floor, when said base shoe is yieldably anchored in its operative position. The yieldable anchoring clips herein shown are conveniently attached to a base board, but of course they can be otherwise suitably secured so as to extend into and detachably anchor the base shoe, and under conditions wherein the floor is not covered, the anchoring devices can be arranged to locate the base shoe on the floor.

I claim:

1. In a device for anchoring marginal portions of floor coverings, an elongated anchoring strip made of sheet metal having an approximately horizontal seat for the bottom of the floor covering, spacing lugs extending downwardly from said seat to separate it from the floor, attaching prongs projecting upwardly from said seat to engage into the floor covering, and a clip device extending upwardly from the rear of said seat adapted to be attached to the base board of a wall, and an elongated base shoe having a round type having a bottom presser face normally located above and adjacent to said seat, so as to press the floor covering onto said attaching prongs, said elongated base shoe having a longitudinal recess in its rear face, the bottom of said clips being provided with a row of independently yieldable spring clips normally located in said longitudinal recess to detachably secure said base shoe in its operative position, and said spring clips being in yielding contact with the inclined bottom of said recess to force the base shoe toward said attaching prongs.

2. A wall device comprising an elongated wooden base shoe of the quarter round type adapted to lie adjacent to a floor at the bottom of a wall, said elongated base shoe having a longitudinal recess in its rear face, said recess being provided with an inclined bottom face extending upwardly toward the rear of said base shoe, so as to form an upwardly inclined longitudinal abutment inside of said base shoe, and an anchoring device comprising a series of independently yieldable spring clips normally located in said longitudinal recess to detachably anchor said base shoe, said longitudinal recess being elongated and open at the rear face of said wooden base shoe to freely receive all of said independently yieldable spring clips, each of said spring clips being extended forwardly and downwardly in said recess and provided with a yieldable bottom face slidably contacting with said upwardly inclined longitudinal abutment, so as to simultaneously force the base shoe rearwardly toward the wall and downwardly toward the floor, and said wooden shoe being slidable laterally, away from the bottom faces of the spring clips to completely detach the entire base shoe from its anchoring device.

3. In a device for anchoring marginal portions of floor coverings adjacent to vertical walls, an anchoring strip having a seat for the bottom of the floor covering, attaching prongs extending upwardly from said seat so as to enter into the floor covering, an elongated wooden base shoe of the quarter round type having a bottom presser face normally located above and adjacent to said seat, so as to press the floor covering onto said attaching prongs, said base shoe having a longitudinal recess in its rear face, said recess being provided with an inclined bottom face extending upwardly toward the rear of said base shoe, and means for simultaneously forcing said base shoe downwardly toward said attaching prongs and rearwardly toward an adjacent vertical wall member, said means comprising an anchoring device having a series of independently yieldable spring clips normally located in said longitudinal recess, said longitudinal recess being elongated and open at the rear face of said wooden base shoe to freely receive all of said independently yieldable spring clips, each of said spring clips being extended forwardly and downwardly in said recess and provided with a yieldable bottom face slidably contacting with the upwardly inclined bottom face of said recess, and said wooden shoe being slidable laterally, away from the bottom faces of the spring clips to completely detach the entire base shoe from its anchoring device.

Dwight B. Mapes.

(References on following page)
<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>17890</td>
<td>Penrose</td>
<td>July 28, 1857</td>
</tr>
<tr>
<td>66588</td>
<td>Hicks</td>
<td>July 9, 1867</td>
</tr>
<tr>
<td>336318</td>
<td>Bingham</td>
<td>Feb. 16, 1886</td>
</tr>
<tr>
<td>382849</td>
<td>Barrow</td>
<td>June 5, 1888</td>
</tr>
<tr>
<td>939077</td>
<td>Rodgers et al.</td>
<td>Oct. 26, 1909</td>
</tr>
<tr>
<td>1208496</td>
<td>Cooke</td>
<td>Dec. 12, 1916</td>
</tr>
<tr>
<td>2322651</td>
<td>Kern</td>
<td>Sept. 7, 1943</td>
</tr>
</tbody>
</table>