Feb. 12, 1929. 1,701,714

R. A. BALLENGER

BUILDING CONSTRUCTION

Filed Dec. 26, 1925

Fig. 1.

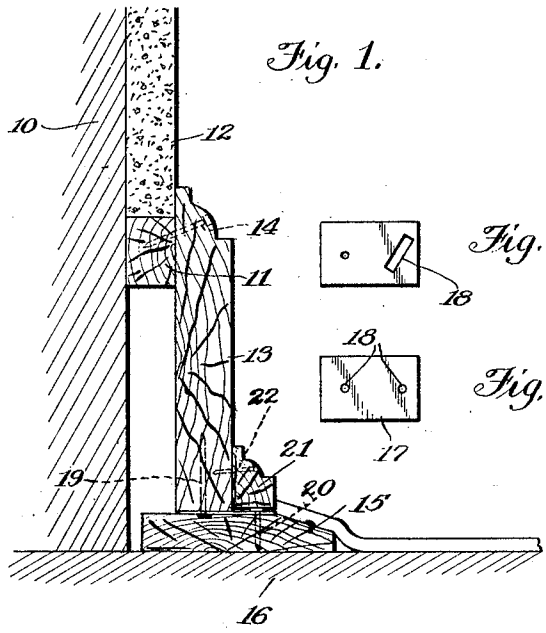


Fig. 4.

Fig. 3.

Fig. 2.

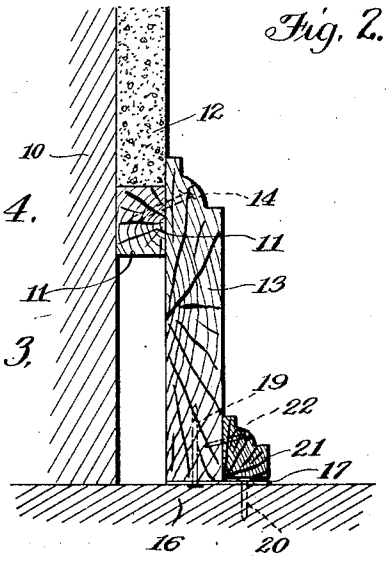


Fig. 5

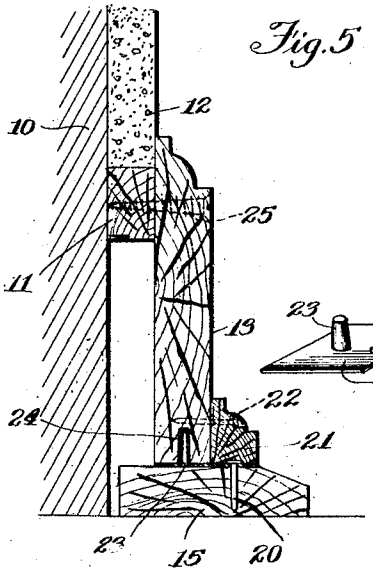


Fig. 6.

Fig. 7.

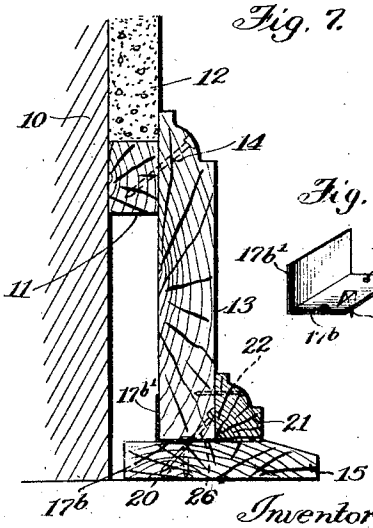


Fig. 8.

Inventor

Richard A. Ballenger

By Pierce & Scott.

Attys.

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UNITED STATES PATENT OFFICE.

RICHARD A. BALLENGER, OF HUBBARD WOODS, ILLINOIS, ASSIGNOR TO NEMBAK BUILDING APPLIANCES CO., OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

BUILDING CONSTRUCTION.

Application filed December 26, 1925. Serial No. 77,714.

My invention relates to improvements in building construction, and is particularly concerned with novel means for anchoring the lower edges of base-boards.

In the accompanying drawings:

Figure 1 is a vertical section through a wall and floor of a building embodying my invention;

Figure 2 is a similar section in which the carpet strip of Figure 1 is omitted;

Figure 3 is a plan view of one of the clips forming a part of my invention;

Figure 4 is a similar view of a modified form of clip;

Figure 5 is a view similar to Figure 1, but embodying another form of clip that permits the base-board to be removed;

Figure 6 is a perspective of the clip embodied in the construction shown in Figure 5;

Figure 7 is a view similar to Figure 1, but embodying a still further modified form of clip; and

Figure 8 is a perspective of another embodiment of the clip forming a part of the construction shown in Figure 7.

The embodiment of my invention disclosed in Figure 1 comprises a wall 10 may be either an outer or a partition wall, to which is secured a ground 11 which may be merely a rough wooden strip. The face of the wall above the ground 11 is covered with the usual coat of plaster 12. The base-board 13 has its upper edge secured to the ground 11 by fastening means such as the nails 14. In the embodiment of my invention disclosed herein I have shown a nailing strip 15, preferably of wood, that may be nailed, or otherwise secured, to the floor 16. For securing the lower edge of the base-board 13 in place I provide a plurality of sheet metal clips 17, such as shown in Figure 3, having openings 18 adjacent each end thereof. Before the base-board 13 is secured to the ground, the workman secures a plurality of these clips to the lower edge of the base-board 13 by means of nails 19, or any other suitable fastening means, in such manner that one end of the clip projects outwardly so that when the base-board is positioned as shown in Figure 1, nails 20 may be driven through one of the openings 18 into the carpet strip 15, thus anchoring the lower edge of the base-board to the carpet strip. If desired, a molding 21 may be secured to the lower, outer face of the base-board by means of nails 22, or in any other desired manner.

From the above description it will be seen that I have replaced the usual lower ground with the very cheap clips 17, each of which requires two nails or other similar fastening means. These clips can be spaced at intervals along the length of the base-board and are very much cheaper, not only to make but also to install, than the usual ground.

The clip shown in Figure 4 differs from that in Figure 3 in that one of the openings 18 is replaced by a cam slot 18′. When such a clip is secured to the edge of a base-board and a nail 20 is partially driven into the carpet strip 15, the workman can, by moving the outer end of the clip either toward the right or left, cause the lower edge of the base-board to be pushed inwardly or pulled outwardly, as the case may be, in order properly to align the lower edge of the base-board.

The construction shown in Figure 2 is similar to that of Figure 1, except that the carpet strip 15 is omitted and the nail 20 is driven directly into the floor 16.

It is frequently desirable to use the space below the upper ground and at the rear of a base-board for concealing wires, cables, pipes, etc. In Figure 6, the clip 17ª has the usual opening 18 in its outer end, but in place of having an opening near its inner end, it is provided with a stud 23, the lower end of which may be riveted to the clip 17ª. Preferably, this stud tapers slightly toward its upper end. To make use of this construction the lower edge of the base-board 13 is provided with a plurality of spaced openings 24 into which the studs 23 of a corresponding number of clips are more or less tightly secured. The base-board is then placed in position and the nails 20 driven into the carpet strip 15 or the floor, as the case may be, to hold the clips in position. Preferably, the upper edge of the base-board is secured in position by removable fasteners such as the screw 25. The molding 21 may be secured to the lower side of the base-board by means of a nail 22. Whenever it becomes necessary

to remove the base-board for the purpose of inspection this may easily be accomplished simply by withdrawing the screws 25 and lifting the base-board upwardly. To replace the base-board the openings 24 are brought into registry with the studs 23 and pushed downwardly and the screws 25 replaced.

In the construction shown in Figure 7, I make use of an angle clip comprising the two parts 17^b and $17^{b'}$, disposed at right angles to each other, the part 17^b being provided with an opening for the nail 20. The part $17^{b'}$ acts as a stop for the rear side of the lower edge of the base-board 13. This edge of the base-board is held in position by means of nails 26 that are toenailed through the lower edge of the base-board into the carpet strip 15 or the floor, as the case may be. These nails are placed between adjacent clips. In making an installation embodying the invention disclosed in this figure of the drawings, the clips are first attached to the nailing strip or floor and the base-boards are then placed in position and secured by means of the nails 26 and 14, the molding 21 afterwards being secured by means of nails 22.

In Figure 8 I have shown a modified form of the clip embodied in the construction shown in Figure 7, in which a stud or tang 27 is struck from the part 17^b of the clip. Openings 18 may be provided for receiving nails if so desired. This clip is used in the same manner as that embodied in the construction shown in Figure 7.

Without further elaboration the foregoing will so fully explain my invention that others may, by applying current knowledge, readily adapt the same for use under various conditions of service. It will be obvious that all the features described need not necessarily be employed in conjunction, as they may advantageously be utilized in various combinations and sub-combinations.

What I claim is:

1. In a building construction, the combination with a floor and wall, of a ground secured to said wall, a carpet strip on said floor, a base-board, means for securing the upper edge of said base-board to said ground, and a clip independent of said wall abutting the lower edge of said base-board and secured to said carpet strip.

2. In a building construction, the combination with a floor and wall, of a base-board, means for securing the upper edge of said base-board to said wall, and means for securing the lower edge of said base-board comprising a clip independent of said wall having one portion abutting said base-board and another portion secured to said floor.

3. In a building construction, the combination with a floor and wall, of a base-board, means for securing the upper edge of said base-board to said wall, and means for securing the lower edge of said base-board in position comprising a clip having a portion for engaging the lower edge of said base-board and holding it in position, and means for securing said clip to said floor.

4. In a building construction, the combination with a floor and wall, of a carpet strip on said floor, a base-board, means for securing said base-board to said wall, and a clip for securing the lower edge of said base-board to said carpet strip.

5. In a building construction, a wall, a floor, a baseboard, a structural supporting connection independent of said wall between the lower edge of said baseboard and said floor, and a structural supporting connection between the upper edge of said baseboard and said wall, said last mentioned connection constituting the sole connection between said wall and said base board.

6. In a building construction, a wall, a floor, a baseboard, a structural supporting connection independent of said wall between the lower edge of said baseboard and said floor, and a structural supporting connection between the upper edge of said baseboard and said wall, said last mentioned connection constituting the sole supporting means for the upper edge of said base board.

7. In a building construction, a wall, a floor, a baseboard, a structural supporting connection between the lower edge of said baseboard and said floor, and a structural supporting connection between the upper edge of said baseboard and said wall, said first mentioned connection including a clip fixed to said floor through an intervening carpet strip, said clip providing an abutment for positioning the lower edge of said baseboard, but leaving said baseboard freely removable by movement upward or away from said wall.

8. In a building construction, a wall, a floor, a baseboard, a structural supporting connection between the lower edge of said baseboard and said floor, and a structural supporting connection between the upper edge of said baseboard and said wall, said first mentioned connection including a clip fixed to said floor, said clip providing an abutment for positioning the lower edge of said baseboard, but leaving said baseboard freely removable by movement upward or away from said wall.

9. In a building construction, a wall, a floor, a baseboard, a structural supporting connection between the lower edge of said baseboard and said floor, and a structural supporting connection between the upper edge of said baseboard and said wall, said first mentioned connection including a clip providing an abutment for positioning the lower edge of said baseboard, said clip having an integral tang projecting downwardly for fastening it in place with respect to said floor.

10. In a building construction, a wall, a floor, a baseboard, a structural supporting connection between the lower edge of said baseboard and said floor, and a structural supporting connection between the upper edge of said baseboard and said wall, said first mentioned connection including a clip fixed to said floor, said clip providing an abutment for positioning the lower edge of said baseboard.

In witness whereof, I hereunto subscribe my name this 21st day of December, 1925.

RICHARD A. BALLENGER.