

UNITED STATES PATENT OFFICE

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WALL CLIP

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15 Claims. (Cl. 72-46)

This invention relates to a wall clip.

An object of the invention resides in the provision of a clip that may be secured to the floor, and that is provided with means for supporting a wall base board, which means may be bent into supporting and locking relation with the wall base board after the wall board has been engaged with the supporting means.

In the drawing:

Figure 1 is a perspective view of a clip that is adapted to support two wall base boards with the parts in the positions that they occupy when the wall base boards are engaged with the clip but before the clip has been bent into the supporting and locking position;

Figure 2 is a horizontal sectional view of the clip with the wall base boards assembled thereon and partly broken away;

Figure 3 is a perspective view of the clip in its supporting and locking position with which is assembled two wall base boards and a stud-

ding;

Figure 4 is a fragmentary sectional view showing the parts in the positions that they occupy during the assembly of the wall base boards on the clip.

Figure 5 is a section on line 5-5 of Figure 2; Figure 6 is a section on line 6-6 of Figure 5; and

Figure 7 is a fragmentary vertical section.

In the form of the invention illustrated in the drawing the clip includes a base 1 and a web 2.

The base 1 is provided with openings 3 for the reception of means for securing the base to the floor, such as nails. It is also provided with a tongue 4 having an elongated slot 5 therein through which a nail may pass for securing the tongue to the floor. With this arrangement the clip may adjust itself to the unevenness of the floor because of the ability of the tongue 4 to move as the base of the clip is bent.

Integral with the web 2 are ears 6 which carry supporting flanges 7. These flanges 7 are beveled at 8 and have flange projections 9.

The ears also are provided with locking flanges 10. The distance between the upper edge of the flange 9 and the lower edge of the flange 10 is slightly greater than the distance between the channels formed between flanges 11 and 12 on the upper and lower edges of the wall base boards 13, so that when the clip is forced into its locking position it will firmly secure the wall base boards thereto.

Of course if only one wall base board is to be

supported by the clip, one of the ears 6, flanges 7, flanges 10 may be omitted.

At the junction 14 between the web 2 and the ears 6 orifices 15 are provided and slightly above these orifices are located orifices 16. The ears are strengthened by ribs 17 and the angular junction between the base 1 and the web 2 is also strengthened by the ribs 15.

The clip in its original condition, before the wall base boards are assembled therewith, has the ears 6 bent as illustrated in Figure 1 of the drawing so that the ears 6, the flanges 7 and the flanges 8 will lie diagonally in respect to the vertical dimension of the wall base board.

In this condition the upper flange 11 of each wall board is engaged with the adjacent flange 7 and the outer surfaces of the flanges 9 and 10 lie against the inner surface of the wall base board. It is only necessary then for the operator to exert pressure on the ear 6 and bend it about the line 14 into a substantially vertical position. This action will force the lower edges of the flanges 10 into engagement with the flange 12 on the lower edge of the wall base board and because the distance between the upper edge of the flange 9 and the lower edge of the flange 10 is slightly greater than the distance between the flanges 11 and 12 of the wall base board, the wall base board will be locked to the clip. In this position the bevelled edge of each of the ears will engage with the corresponding surface of the upper flange 11 and the lower edge of each of the flanges 10 will engage in the channel formed by the flange 11 on the lower end of the adjacent wall base board.

Thus the wall base boards will be supported on the flanges 7 and will be locked on the clip because of the cooperation between these flanges 7 and the flanges 10. The strengthening ribs 17 and 18 will prevent accidental bending of the web on the ears and will insure its bending along the line 14 at which point the material of the ears has been weakened by the orifices 15.

Thus, when the wall base boards are once positioned on and locked by the clip, there will be no likelihood of disengagement because there is no tendency for the ears to bend back into their initial positions, the material from which this portion of the clip is made being bendable but not resilient.

Moreover, the inwardly turned edges 19 at the lower ends of the flanges 10 will engage the flanges 12 on the lower edges of the wall base boards and further assist in holding the wall base boards in position, and will prevent any

outward movement of the lower edges of the wall base boards.

The base 1 is provided with upstanding fingers 20 and 21, the fingers 21 being of greater width than the fingers 20. Thus the studding 22 may be engaged with the fingers 21, and either of the fingers 20, to hold the studding in place and to position it closer to one or the other of the wall base boards, depending upon the side of the studding on which it is desired to place the metal lath.

While I have illustrated and described a particular form of my invention, it is to be understood that certain changes in the structure thereof may be made without departing from the spirit of the invention or exceeding the scope of the claims.

What I claim is:

1. A clip for wall base boards that have flanges at their top and bottom edges, which includes a web adapted to be secured to the floor or similar support, ears integral with and extending away from said web, the area of the joint between the ears and the web being weakened whereby it is more susceptible to being bent than the web or ears, wall base board supporting flanges carried by the ears and extending outwardly therefrom and adapted to engage beneath the flanges at the upper edges of the wall base boards, and locking flanges carried by the ears and adapted to engage the opposite flanges of the wall base boards.

2. The combination with wall base boards that have flanges at their top and bottom edges, of a clip including a web adapted to be secured to the floor or similar support, ears integral with and extending away from said web, the area of the joint between the ears and the web being weakened whereby it is more susceptible to being bent than the web or ears, wall base board supporting flanges carried by the ears and extending outwardly therefrom and adapted to engage beneath the flanges at the upper edges of the wall base boards, and locking flanges carried by the ears and adapted to engage the opposite flanges of the wall base boards, the distance between the lower edges of the locking flanges and the upper edges of the supporting flanges being slightly greater than the distance between the flanges of the wall base boards, whereby when the supporting flanges and the locking flanges are forced between the flanges of the wall base boards they will lock said base boards to the clip.

3. A clip for wall base boards that have flanges at their top and bottom edges, which includes a web adapted to be secured to the floor or similar support, ears integral with and extending away from said web, the junction between the web and the ears being weakened whereby the ears may be bent in respect of the web, wall base board supporting flanges carried by the ears and extending outwardly therefrom and adapted to engage beneath the flanges at the upper edges of the wall base boards, and locking flanges carried by the ears and adapted to engage the opposite flanges of the wall base boards.

4. A clip for wall base boards that have flanges at their top and bottom edges, which includes a web adapted to be secured to the floor or similar support, an ear integral with and extending from the upper end of said web in angular relation thereto, the junction between the ear and the web being weakened whereby the ear may be bent into alignment with the web to lie between the upper and lower flanges of the wall base board,

and means carried by the ear and adapted to engage the opposite flanges of the adjacent base board for supporting said base board and locking the same to the clip.

5. A clip for wall base boards that have converging flanges at their top and bottom edges, which includes a web adapted to be secured to the floor or similar support, ears integral with and extending away from said web, the area of the joint between the ears and the web being weakened whereby it is more susceptible to being bent than the web or ears, wall base board supporting flanges carried by the ears and extending outwardly therefrom and having bevelled edges adapted to engage beneath the flanges at the upper edges of the wall base boards, and locking flanges carried by the ears and adapted to engage the opposite flanges of the wall base boards.

6. A clip for a wall base board that has flanges at its top and bottom edges, which includes a web adapted to be secured to the floor or similar support, an ear integral with and extending from the upper end of the web in angular relation thereto and having its junction with the web weakened, whereby the ear may be bent into alignment with the web to lie between the upper and lower flanges of the wall base board, and means carried by the ear for engaging between the flanges on the wall base board to support and lock the wall base board to the clip.

7. A clip for a wall base board that has flanges at its top and bottom edges, which includes a web adapted to be secured to the floor or similar support, an ear integral with and extending from the web and having its junction with the web weakened, whereby the ear may be bent in respect of the web, and means carried by the ear for engaging between the flanges on the wall base board to support and lock the wall base board to the clip, said means including a supporting flange adapted to engage the upper flange of the wall base board, and a locking flange adapted to engage the lower flange of the wall base board.

8. The combination with a wall base board that has flanges at its top and bottom edges, of a clip including a web adapted to be secured to the floor or similar support, an ear integral with and extending from the web and having its junction with the web weakened, whereby the ear may be bent in respect of the web, and means carried by the ear for engaging between the flanges on the wall base board to support and lock the wall base board to the clip, said means including a supporting flange adapted to engage the upper flange of the wall base board, and a locking flange adapted to engage the lower flange of the wall base board, the distance between the upper edge of the supporting flange and the lower edge of the locking flange being slightly greater than the distance between the flanges of the wall base board whereby when the supporting and locking flanges are moved into position upon the bending of the ears the wall base board will be supported by and locked to the clip.

9. A clip for a wall base board that has flanges at its top and bottom edges, which includes a web adapted to be secured to the floor or similar support, an ear integral with and extending away from said web, the junction between the ear and the web being weakened by an orifice, a wall base board supporting flange carried by the ear and extending outwardly

therefrom and adapted to engage beneath the flange at the upper edge of the wall base board, and a locking flange carried by the ear and adapted to engage the opposite flange of the wall base board, whereby the wall base board is supported by and locked to the clip.

10. A clip for a wall base board that has converging flanges at its top and bottom edges, which includes a web adapted to be secured to the floor or similar support, an ear integral with and extending away from said web, the ear being bendable in respect of the web, a wall base board supporting flange carried by the ear and extending outwardly therefrom, and adapted to engage beneath the flange at the upper edge of the wall base board, a locking flange carried by the ear and adapted to engage the opposite flange of the wall base board, and means carried by the locking flange for wedging the locking flange within the flange at the lower edge of the wall base board.

11. A clip for a wall base board that has converging flanges at its top and bottom edges, which includes a web adapted to be secured to the floor or similar support, an ear integral with and extending away from said web, the ear being bendable in respect of the web, a wall base board supporting flange carried by the ear and extending outwardly therefrom, and adapted to engage beneath the flange at the upper edge of the wall base board, a locking flange carried by the ear and adapted to engage the opposite flange of the wall base board, and means carried by the locking flange for wedging the locking flange within the flange at the lower edge of the wall base board, said last-mentioned means comprising an inwardly turned edge of the locking flange.

12. A clip for a wall base board that has flanges at its top and bottom edges, which includes a base, a web extending upwardly from the base, means carried by the web for supporting the base board and adapted to wedge between said flanges of the base board, the base of said clip having a tongue struck therefrom

and adapted to receive a fastener to secure the base to a floor whereby the clip may have movement in relation to the floor.

13. The combination with a wall base board that has flanges at its top and bottom edges, of a clip including a base, a web extending upwardly from the base, means carried by the web for supporting the base board and adapted to wedge between said flanges of the base board, said base having three fingers extending upwardly from the base and arranged transversely thereof for the reception of the upright studding of a building construction, the distance between the remote edges of the central finger and the end finger being substantially equal to the inside measurement of the studding whereby the studding may be selectively engaged with the central finger and either of the side fingers to locate the studding adjacent one or the other of the side edges of the clip.

14. A clip for wall base boards that have flanges at their top and bottom edges, which includes a web adapted to be secured to a floor, an ear integral with and extending from the upper end of and in angular relation to said web, and means on the ear adapted to engage between said flanges to support the base board, the junction between the ear and the web being made of bendable material whereby the ear may be bent into alignment with the web.

15. A clip for a wall base board that has flanges at its top and bottom edges, which includes a web adapted to be secured to a floor, an ear integral with the web and arranged in angular relation thereto, said ear having flanges thereon adapted to engage between the flanges on the base board and to engage the inner face thereof to support the base board, the junction between said ear and said web being of bendable metal whereby the ear may be bent into alignment with the web and the flanges carried by said ear into engagement with the flanges of the base board.

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CERTIFICATE OF CORRECTION.

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It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, first column, line 7, and second column, line 16, for "wall board" read --wall base board--; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 16th day of November, A. D. 1943.

Henry Van Arsdale,
Acting Commissioner of Patents

(Seal)