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RESILIENT CLIP SECURING PANELS IN SPACED
RELATION TO WALL STUDS
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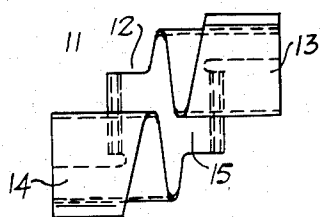


FIG. 1

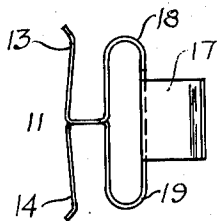


FIG. 2

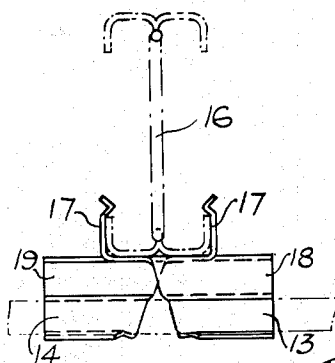


FIG. 3

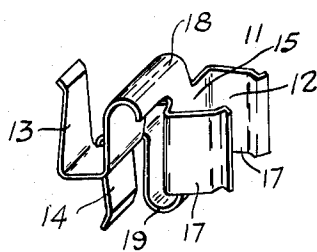


FIG. 4

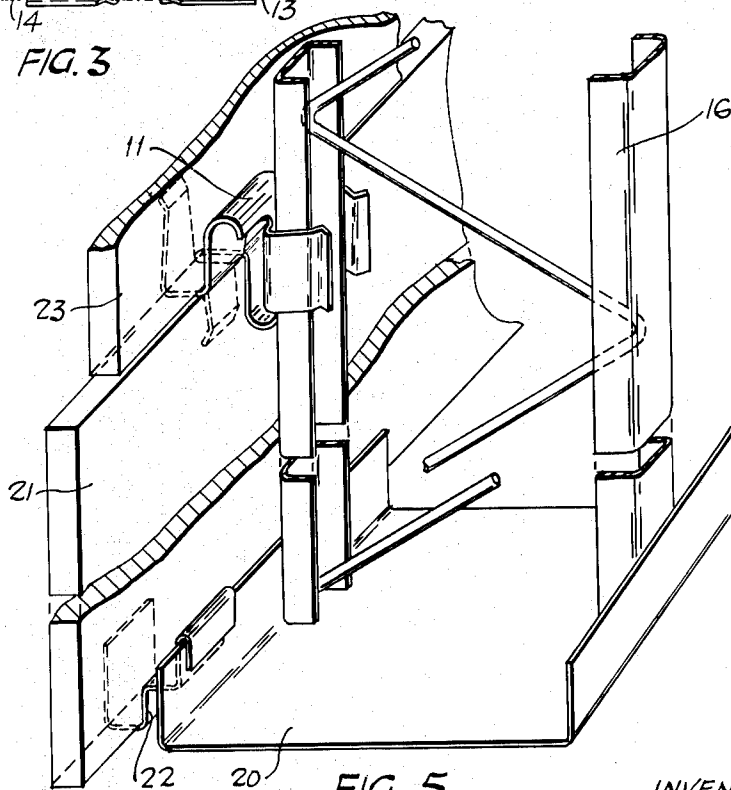


FIG. 5

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RESILIENT CLIP SECURING PANELS IN SPACED RELATION TO WALL STUDS

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2 Claims. (Cl. 52—346)

This invention relates to resilient clips and more particularly to resilient clips for securing wall or partition panels in spaced relation to wall studs.

In light gauge steel stud systems for partition walls etc., open web type light gauge steel studs are vertically located in a steel channel member fixed to the building floor and in a similar steel channel member fixed to the ceiling.

Clips according to this invention are used to secure partition or wall panels, such as gypsum lath, in spaced relation to the studs, to isolate the panels from the studs and thus provide improved sound proofing.

The main object of this invention, therefore, is to provide a resilient clip for securing wall or partition panels in spaced relation to light gauge steel open web wall studs and thus to obtain improved sound proofing qualities.

Another object of this invention is to provide a resilient clip which is of simple construction and is easily installed on the steel open web wall studs.

These and other objects of this invention will be apparent from the following detailed specification and the accompanying figures in which:

FIG. 1 is a side elevation of a clip according to this invention;

FIG. 2 is an end elevation of a clip according to this invention;

FIG. 3 is a plan view of a clip according to this invention, showing also an open web stud and a wall panel in their positions, relative to the clip;

FIG. 4 is a perspective view of a clip according to this invention; and

FIG. 5 is a perspective view of wall panels secured in spaced relation to an open web stud by a clip according to this invention.

With reference now to FIGS. 1 to 4, resilient clip 11 comprises stud gripping portion 12, offset upper panel gripping portion 13 and offset lower panel gripping portion 14. Stud gripping portion 12 is substantially "U" shaped, having a flat portion 15, which lies against the flat face of the open web stud 16, and two substantially parallel side members 17 which resiliently grip the side faces of stud 16. Upper panel gripping portion 13 and lower panel gripping portion 14 are U-shaped and reversely arranged to resiliently grip the opposing edges of the wall panels and are connected in spaced relation to stud gripping portion 12, by U-shaped spacing portions 18 and 19 respectively.

Reference now to FIG. 5 shows a portion of a wall stud and panel assembly in which open web stud 16 is located in lower channel member 20 fixed to the building floor, and the lower edge of the lowermost wall panel 21 is secured in spaced relation to lower channel member 20 by started clip 22. The upper edge of wall panel 21 and the lower edge of the superimposed wall panel 23 are secured in spaced relation to stud 16 by resilient clip 11. The upper end of stud 16 is located in a channel member, similar to lower channel member 20, fixed to the building ceiling.

Resilient clips 11 are used in this manner, spaced as required, to secure the upper and lower edges of further

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superimposed panels, the upper edge of the uppermost panel being secured in a manner similar to the lower edge of the lowermost panel.

Resilient clips 11 are installed on stud 16 by a simple rotating snap-on motion.

What I claim is:

1. A clip for securing superimposed wall panels to each other and to a stud so that the panels are spaced from said stud, said clip comprising a single blank of sheet material shaped and folded to provide a substantially U-shaped stud gripping member presenting a bight portion opposed to the outer face of the stud opposing the inner surfaces of the wall panels and two stud gripping side portions disposed in resilient gripping engagement with the sides of the studs lying at an angle to the said outer face of the stud and two horizontally offset and reversely arranged U-shaped panel gripping members having their bight portions disposed in co-planar side by side relation to each other and interposed between opposing horizontal edges of said superimposed panels, one of said panel gripping members presenting inner and outer panel gripping side portions extending upwardly from the bight portion thereof in resilient gripping engagement with the inner and outer surfaces of the uppermost of said superimposed panels, the other panel gripping member presenting inner and outer panel gripping side portions extending downwardly from the bight portion thereof in gripping engagement with the inner and outer surfaces of the lowermost of said superimposed panels, the panel gripping member disposed in gripping engagement with the uppermost of said superimposed wall panels having the upper edge of its inner side portion integrally joined to the upper edge of the bight portion of the stud gripping member by a flexible U-shaped connecting and spacing member and the panel gripping member disposed in gripping engagement with the lowermost of said superimposed panels having the lower edge of its inner side member integrally joined to the lower edge of the bight portion of the stud gripping member by a flexible U-shaped connecting and spacing member.

2. A clip for securing superimposed wall panels to each other and to a stud so that the panels are spaced from said stud, said clip comprising a single blank of sheet material shaped and folded to provide a substantially U-shaped stud gripping member presenting a bight portion opposed to the outer face of the stud opposing the inner surfaces of the wall panels and two stud gripping side portions disposed in resilient gripping engagement with the sides of the studs lying at an angle to the said outer face of the stud and two horizontally offset and reversely arranged U-shaped panel gripping members having their bight portions disposed in co-planar side by side relation to each other and interposed between opposing horizontal edges of said superimposed panels, one of said panel gripping members presenting inner and outer panel gripping side portions extending upwardly from the bight portion thereof in resilient gripping engagement with the inner and outer surfaces of the uppermost of said superimposed panels, the other panel gripping member presenting inner and outer panel gripping side portions extending downwardly from the bight portion thereof in gripping engagement with the inner and outer surfaces of the lowermost of said superimposed panels, the panel gripping member disposed in gripping engagement with the uppermost of said superimposed wall panels having the upper edge of its inner side portion integrally joined to the upper edge of the bight portion of the stud gripping member by a connecting and spacing member and the panel gripping member disposed in gripping engagement with the lowermost of said superimposed panels having the lower edge of its side member integrally joined to the

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lower edge of the bight portion of the stud gripping member by a connecting and spacing member, said connecting and spacing member serving to maintain the panel gripping members and the panels in spaced relation to said stud.

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