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2,959,896

LATHING CORNER CLIPS

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1 Claim. (Cl. 50—183)

This invention relates generally to a clip system for use in the application of gypsum lath to studs and joists and is directed further to the novel and improved clips included therein. It will be understood that the invention applies generally to the construction of partitions, including walls, ceilings or the like or any combinations thereof. This application is a division of my co-pending application, Serial Number 530,179, filed August 23, 1955.

An object of the present invention is to provide a novel lathing corner clip for joining sheets of lath at corners of an improved partition structure, such structures comprising elongate frame elements and any suitable board-like material fixed relative to one another by the above and other lathing clips.

A principal object of the invention is the provision of partition construction clips capable of improved ease and facility of application which also provide the improved partition structure.

These and other objects of the invention will be more readily apparent when considered in relation to the preferred embodiment as set forth in the specification and shown in the drawings in which:

Fig. 1 is an isometric view of the corner clip constructed in accordance with and embodying the invention.

Fig. 2 is a perspective view of the bottom portion of a lathed room, showing the corner clip of Fig. 1 as applied, portions being broken away.

General description—environment

In the drawings, Fig. 2 shows a corner of a room, wherein the partially constructed walls 11 have been framed in and had lath 13 applied and fastened, in a usual condition prior to plastering. A floor 15 is shown on which the walls 11 are mounted.

The framework for the walls 11 include, in the present embodiment, floor runners 17 fixed along floor 15 throughout the extent whereat the walls are being constructed. Sinuously-webbed, steel studs 20 extend vertically upward at suitably spaced apart positions. The bottom ends of studs 20 are disposed within the channels of runners 17, in the usual manner, and are fixed thereat by clasps 21, which are attached to the studs 20 at the ends of chords 22. Studs 20 are fixed at the upper ends thereof by similar or other suitable means. Studs 20, in the present embodiment, include chords 22 and sinuous web-wires 23.

Any usual sheets of lath 13, are affixed to the studs 20 and to a suitable ceiling framework structure and may be affixed as set forth in my co-pending application Serial No. 530,179.

Two of the five clips which are the subject of my prior application are shown herein in Fig. 2 of the drawings, namely, the straight lathing clip 32 and the wall starter clip 33. At the wall corner, in Fig. 2, is shown the corner clip 36 which is the preferred embodiment of the present invention. Corner clip 36, shown more clearly in Fig. 1, is formed, in the present embodiment, of resilient

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bent spring steel wire having a diameter in the order of $\frac{3}{32}$ of an inch.

The corner clip 36 of Figs. 1 and 2 is a marked improvement over prior corner clips in that its structure, though simple and easily applied, provides for grasping and firmly holding the edges of both of the two sheets of lath 13, one sheet being disposed in each of two walls, 11. For clarification of description one sheet of lath 13 will be designated sheet 13a and the other sheet of lath, sheet 13b. In Fig. 1, the corner will be seen to have been formed by substantially abutting the edge of sheet 13a against the end of the face of sheet 13b, with the corner clip 36 slidably attached to both sheets 13a and 13b.

Corner clip 36 is formed of a continuous wire and includes a relatively large central loop 110 in a first plane lying against and engaging the back of sheet 13b. At each end of central loop 110, clip 36 is bent and the wire extends therefrom to form a long leg of each of two respective small secondary loops 111. Secondary loops 111 are both disposed on the same side of the first plane and lie in a second plane which is perpendicular to the first plane. The secondary loops 111 each include a long leg, as above referred to, and a reversely bent, closely spaced, parallel, short leg which is shorter by an amount equal to the thickness of lath sheets 13 slidably attached within clip 36. The secondary loops 111 are disposed parallel to and engaging the back of sheet 13a.

At the end of each of the short legs of secondary loops, 111, opposite the reverse bend thereof, clip 36 is bent and the wire extends therefrom perpendicular to the second plane forming edge legs 112 on the same side of the second plane as central loop 110. Edge legs 112 are disposed between and engage the edge of sheet 13a on one side and the face of sheet 13b on the other side, and have an extent equal to the thickness of sheets 13.

Clip 36 is further bent at the inner end of each edge leg 112 to form end legs 113 extending parallel to secondary loops 111 and in a direction away from central loop 110. End legs 113 are disposed parallel to and engaging the front face of sheet 13a.

Thus secondary loops 111 and end legs 113 form a clip opening therebetween which by their dimension therebetween grasp respectively the back and the front faces of sheet 13a. Central loop 110 and edge legs 112 form a clip opening and grasp respectively the back and the front faces of sheet 13b. The two clip openings thus firmly hold both respectively sheets 13a and 13b, relative to one another, providing an improved and strengthened corner structure.

By the provision of grasping means for both corner sheets of lath, corner clip 36 may be applied first on either the abutting sheet 13a or the abutted sheet 13b, but would ordinarily be applied first on sheet 13b, as this abutted sheet would ordinarily be the first applied during construction.

Having completed a detailed disclosure of the preferred embodiment of my invention so that those skilled in the art may practice the same, I contemplate that variations may be made without departing from the essence of the invention or the scope of the appended claim.

I claim:

A corner clip for holding the edges of lapped, relatively perpendicularly disposed sheets of lath, said clip being a formed single extent of wire and having perpendicularly directed openings of a width of a suitable clip opening dimension, said clip comprising a single central loop of said wire disposed in a first plane, said wire being bent at each end of said central loop and extending therefrom to form a long leg of each of two respective secondary loops of said wire, both said secondary loops being disposed on the same side of said first plane, and lying in a second plane perpendicular to said first plane, each said

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secondary loop including two substantially parallel legs, the said long leg of each said secondary loop being longer than the respective opposite leg of said secondary loop by a distance substantially equal to the said opening dimension of said clip, said wire being bent at the end of each said shorter, opposite leg and extending therefrom to form an edge leg substantially perpendicular to said second plane and disposed on the same side of said second plane as said central loop, said edge legs having a length substantially equal to the said opening dimension of said clip, and said wire being bent at the end of each said edge leg and extending therefrom away from said first plane to form end legs spaced from said secondary loops a distance

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equal to said opening dimension of said clip, whereby each complementary half of said clip provides means for grasping each of said two relatively perpendicularly disposed sheets of lath of a thickness substantially equal to the said opening dimension of said clip.

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