

(No Model.)

F. STEPHANIE.
METALLIC LATHING.

No. 460,542.

Patented Sept. 29, 1891.

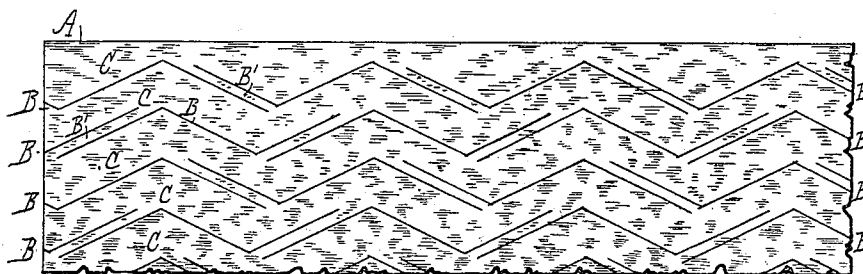


Fig. 1.

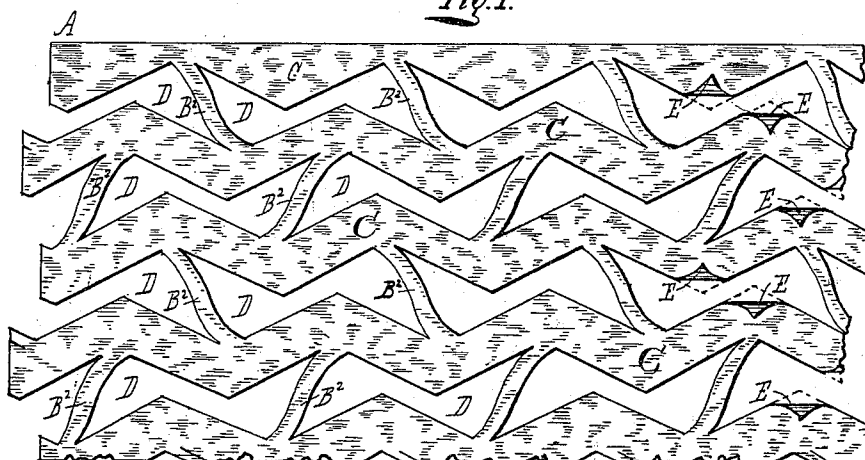


Fig. 2.

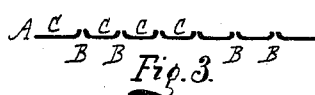


Fig. 3.

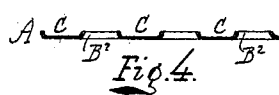


Fig. 4.

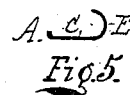


Fig. 5.

Witnesses
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METALLIC LATHING.

SPECIFICATION forming part of Letters Patent No. 460,542, dated September 29, 1891.

Application filed June 10, 1889. Serial No. 313,669. (No model.)

To all whom it may concern:

Be it known that I, FRED STEPHANIE, a resident of the city, county, and State of New York, have invented a new and Improved Metallic Lathing, of which the following is a specification.

My invention consists of a metallic lathing formed from sheet metal by slitting at intervals apart or puncturing the sheet in certain zigzag lines not continuous, and then expanding the sheet, resulting in opening the cuts and producing from a sheet of given width an expanse of surface to receive plaster greater than that of the sheet before its expansion, the expanded sheet presenting a series of slats united by ties integral with the same, and between the slats a series of openings adapted to admit of the proper keying of the coating of plaster to the sheet of lathing.

It further consists in so forming the cuts that at the angles raised points or hooks are constituted, so as to aid further in the keying and securing of plaster to the sheet, all as hereinafter more fully described, reference being had to the accompanying drawings, in which—

Figure 1 represents a face view of a piece of sheet metal punctured or otherwise slitted, representing the sheet before expanding the points not turned back. Fig. 2 is a face view of the same sheet after it has been expanded, showing the slats or bars with the ties connecting them together, and the openings between resulting from the expansion. Several points at the right hand of this figure are shown as turned outward. Fig. 3 is a sectional view across the bars to show the edges of the cuts turned upward in cutting. Fig. 4 is a sectional view showing the same bars expanded with edge of ties. Fig. 5 is a sectional view across one bar, showing one of the points turned out and bent backward from the cut.

On the drawings, A indicates the piece or sheet of sheet metal, which may be of any suitable length and breadth.

B indicates the cuts, punctures, or slits shown as straight lines, and angles in zigzag across the sheet in lengths, lapping, as at B', leaving a strip of metal between as a connecting-link, uniting two sections serving as ties B², Fig. 2.

C indicates the bars or slats drawn apart in Fig. 2, leaving spaces between, as at D, the ties B² keeping the slats in union, so that by expanding the slitted sheet of Fig. 1, opening the slits into apertures, a sheet of lathing is produced like Fig. 2, consisting of serrated slats or bars held together by ties integral therewith, and between the same apertures into which plaster may set and keying at the back be held securely. To further facilitate the union of plaster to the sheet, I turn the edges of the slits or cuts as in Figs. 3 and 4, projecting either front or back, as desired. Such edges also stiffen the lathing and are readily formed by a cutter-die; also, for still further affording grip for plaster I turn outwardly the angular points, as shown at E, right-hand side of Fig. 2. Such points may be curved over backwardly, as shown sectionally in Fig. 5, or stand out at an angle to the sheet.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. An expanded metallic lathing consisting of series of bars or slats of a zigzag or serrated outline held together by ties integral therewith, essentially as herein set forth.

2. An expanded metallic lathing consisting of series of bars or slats of a zigzag or serrated outline held together by ties integral therewith and having their edges turned outwardly, essentially as herein set forth.

3. An expanded metallic lathing consisting of series of bars or slats of a zigzag or serrated outline held together by ties integral therewith and having between the ties the external angles of the serrated outline edge turned outward and backward, essentially as herein set forth.

4. An expanded metallic lathing consisting of series of bars or slots of a zigzag or serrated outline held together by ties integral therewith, the bars having their edges turned outwardly, and the external angles or angular points between the ties also turned outwardly, essentially as herein set forth.

FRED STEPHANIE.

In presence of—

JAMES R. MCAFEE,
ARTHUR HAYS.