

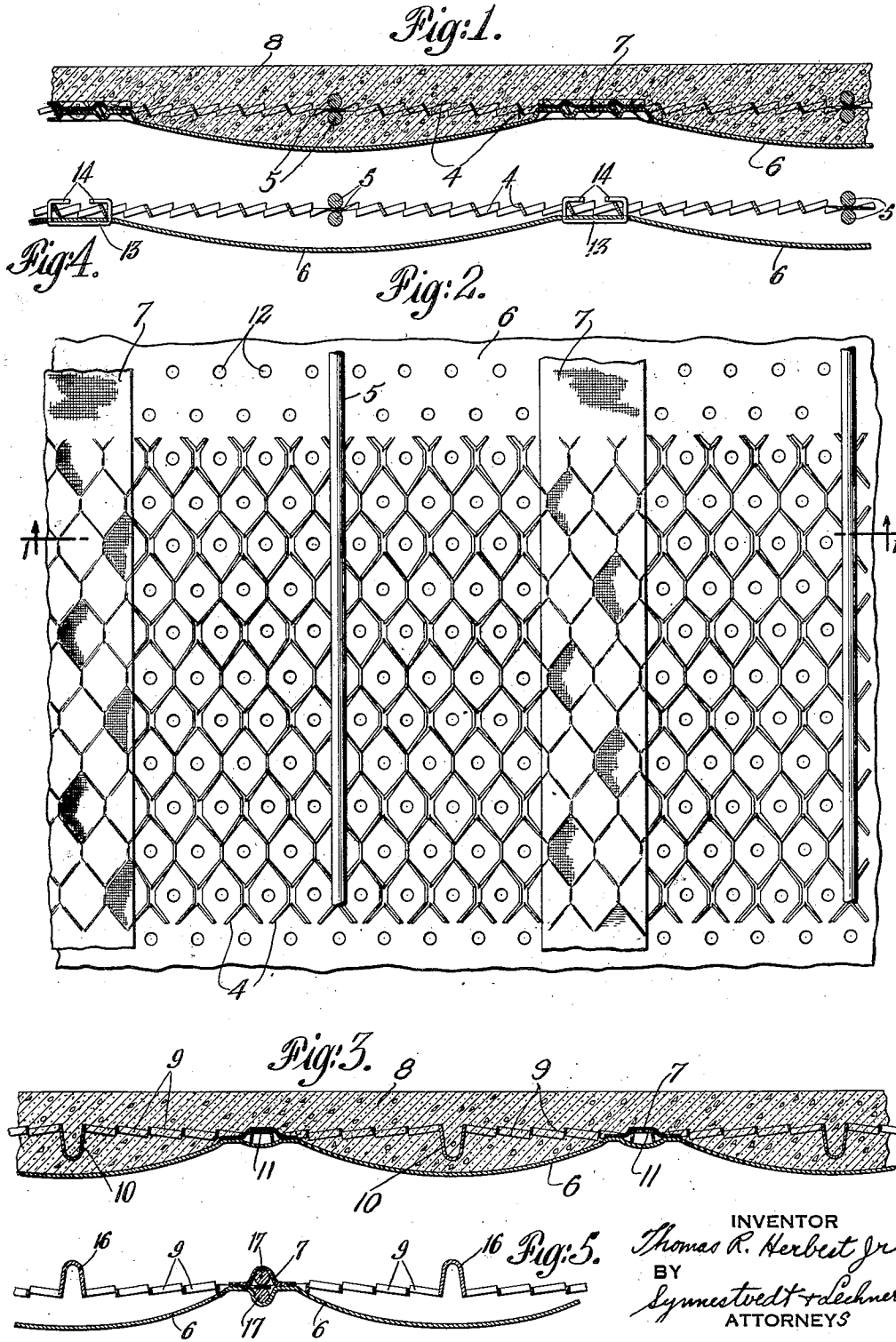
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LATHING

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LATHING

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13 Claims. (Cl. 72—117)

This invention relates to lathing such, for example, as expanded metal meshwork adapted for use as a reinforcement in plastic materials such as plaster and cement.

One of the primary objects of the invention is the provision of lathing of the type in question which effects a material saving in the amount of plastic material, such as plaster, which must be applied to the lathing in the construction of walls, ceilings or floors.

Another object of the invention is the provision of lathing which not only saves plaster, but at the same time provides for more complete encasing or surrounding of the meshwork by the plaster.

The invention also makes possible complete encasing of the strengthening ribs and thus ensures more uniform compliance with standard building and/or underwriters' requirements.

How the foregoing together with other objects and advantages are obtained will be apparent from a consideration of the following description taken with the accompanying drawing which illustrates several forms of lathing embodying the improvements of this invention.

Of the drawing:

Fig. 1 is a transverse sectional view of a portion of a sheet of lath embodying my improvements with the plastic material applied thereto, the showing of the lath being taken substantially as indicated by the line 1—1 of Fig. 2.

Fig. 2 is a face view of a portion of the lath illustrated in Fig. 1, the plaster coating being omitted in this figure.

Fig. 3 is a view similar to Fig. 1 of a somewhat different type of lath embodying the new features of this invention.

Fig. 4 illustrates, in section, the lath of Fig. 1 with the improvements of the present invention adapted thereto in a somewhat different manner, and

Fig. 5 illustrates still another modification.

Referring first to Figs. 1 and 2, the meshwork of the lathing is indicated by the reference character 4 and the strengthening ribs, in this embodiment, take the form of pairs of parallel wires 5 welded through the meshwork. It should be understood, at this point, that the invention is particularly applicable to forms of lath which include ribs or strengthening members of one kind or another although certain of the new features now to be described may also be advantageously embodied in a lath structure which is not of the so-called "ribbed" type.

In order to accomplish the above noted ob-

jects and advantages, the lathing is provided with a backing sheet 6 at one side thereof, preferably in the form of a reasonably heavy paper. The sheet 6 is secured to the meshwork of the lathing along lines or strips spaced from each other and preferably extending longitudinally of the entire sheet. When the sheet is applied to ribbed lath the lines of attachment are arranged preferably between and parallel to the ribs. To this end, as indicated in Figs. 1 and 2, I employ strips of cloth of fabric of any suitable type as indicated at 7 positioned at the side of the lath opposite to the sheet 6 and secured to the said sheet through openings in the meshwork in any suitable manner. To accomplish the attachment of the strips 7 to the sheet 6, I may use some adhesive material or medium such as waterproof glue.

On the other hand I may omit the strips 7 and secure the backing to the lath in the manner illustrated in Fig. 4. According to this view the backing is secured by means of staples 13, the legs of which are preferably pushed through the paper and the lath and bent over as indicated at 14. It is to be understood that this type of attachment may be applied to any type of lath to which the backing is to be secured, such, for example, as illustrated in Figs. 3 and 5.

When the plaster or other plastic material, indicated at 8 in Figs. 1 and 3 is applied to the lathing the backing sheet becomes bowed outwardly between the points of attachment and thus acts as a mold within which the meshwork and strengthening or reinforcing ribs may be completely surrounded by the plastic material as it works its way through the meshwork openings and fills the cavities at the back of the lath.

It should be understood, in this connection, that in most parts of the country, standard underwriters' and/or building requirements necessitate the complete encasing of reinforcing steel within plastic material of certain thickness or dimensions. The present invention makes it possible to fully comply with such requirements and at the same time avoids unnecessary waste of plastic material.

In the embodiment illustrated in Fig. 3, the paper backing 6 is shown as being attached, in a manner similar to that of Fig. 1, to a type of lathing which includes meshwork 9 having ribs 10 of the U-shaped variety. This lath also has relatively small intermediate members 11 over which the fabric strips 7 are arranged in order that the edges thereof may be depressed through meshwork openings and suitably attached to the backing sheet.

Fig. 5 illustrates still another modification in which, lathing 15 having U-shaped ribs 16 and intermediate strengthening members 17, similar to those of Fig. 1, is provided with a backing sheet 6 secured thereto by strips 7. It should be noted that in this form the strips 7 overlie the members 17, the edges of such strips being pushed through meshwork openings in order to permit attachment to the backing sheet.

It might also be noted that if desired the backing sheet, as illustrated in Fig. 2, may be provided with a plurality of openings 12.

What I claim is:—

1. Expanded metal lathing including meshwork having parallel spaced ribs, a backing sheet at one side of said meshwork and means for securing the backing sheet to the meshwork between the ribs thereof.

2. Expanded metal lathing including meshwork having parallel spaced ribs, a backing sheet at one side of said meshwork and means for securing the backing sheet to the meshwork between the ribs thereof, including strip-like members extending between and parallel said ribs and attached to the said sheet through openings in the meshwork to permit outward bowing of the sheet between the points of attachment.

3. Expanded metal lathing including meshwork with a backing sheet secured thereto at spaced points to permit outward bowing of the sheet between such points, said backing sheet being provided with spaced openings.

4. Expanded metal lathing including meshwork having parallel spaced ribs, a backing sheet at one side of said meshwork and means for securing the backing sheet to the meshwork between the ribs thereof, said backing sheet being provided with spaced openings.

5. As an article of manufacture, lathing including expanded meshwork having a plurality of ribs and a paper backing secured to the meshwork between the ribs.

6. As an article of manufacture, lathing including expanded meshwork having a plurality of ribs, a paper backing at one side of the meshwork and a plurality of fabric strips arranged at the other side of the meshwork and secured to the backing through meshwork openings.

7. As an article of manufacture, lathing including expanded meshwork having a plurality of ribs, a paper backing at one side of the meshwork and a plurality of fabric strips arranged

at the other side of the meshwork between the ribs thereof and secured to the backing through meshwork openings.

8. In a wall or floor structure the combination of expanded metal lathing having ribs and a backing element secured to one side of the lathing between the ribs thereof and bowed outwardly over said ribs whereby plastic material, when applied to the other side of the lathing, may pass through the openings of the meshwork thereof, surround the ribs and fill the spaces within the bowed portions of the backing.

9. A wall or floor structure including reinforcing metallic meshwork with backing means secured to one side thereof and having recesses therein extending outwardly therefrom whereby plastic material when applied to the other side may pass through meshwork openings and enter said recesses.

10. Expanded metal lathing including meshwork having parallel spaced ribs, a backing sheet at one side of said meshwork and staple means securing the backing sheet to the meshwork between ribs thereof.

11. Reinforcement, in or for plastically-applied material, comprising: metallic meshwork; strengthening elements therefor; sheet-like backing material, positioned close to one face of the meshwork at zones intermediate strengthening elements thereof, and spaced-apart from such elements; and means securing the backing material and meshwork in that relationship; whereby in such zones the amount of material plastically-applied through the meshwork is appreciably reduced, while adjacent such elements the plastically-applied material is relatively free to pass through the meshwork and encase the elements.

12. A plaster base comprising a backing sheet, foraminous material located thereover, and means extending over the foraminous material and adhesively applied to the outer face of the backing sheet at openings in the foraminous material and securing the foraminous material to the backing sheet.

13. A plaster base comprising a backing sheet, foraminous material located thereover, and a uniting strip extending over the outer side of the foraminous material and secured to the outer face of the backing strip in the openings of the foraminous material.

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