

W. J. McGARRY.  
METAL LATHING.  
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932,410.

Patented Aug. 24, 1909.

Fig. 1.

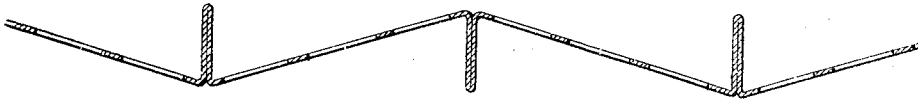


Fig. 2.

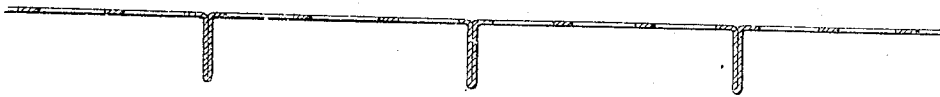


Fig. 3.

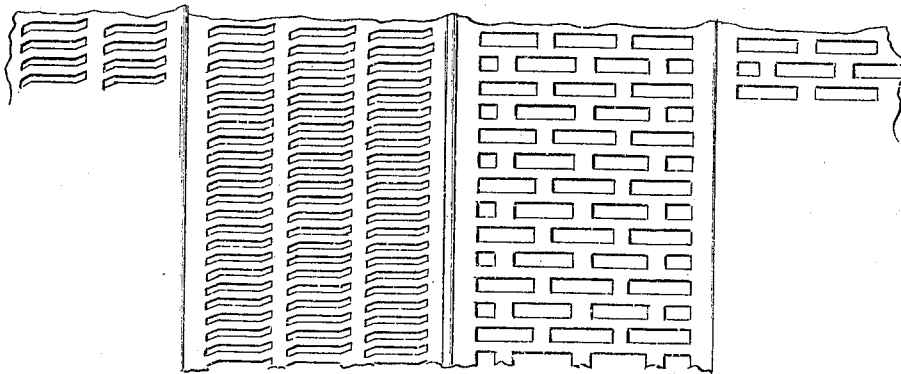
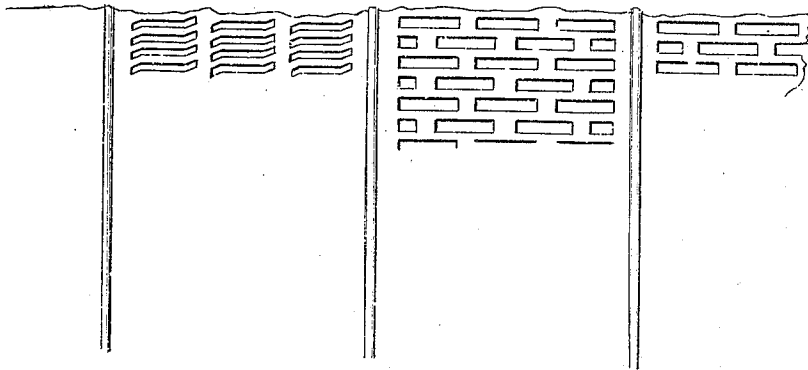


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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## METAL LATHING.

932,410.

Specification of Letters Patent.

Patented Aug. 24, 1909.

Application filed December 27, 1907. Serial No. 408,271.

*To all whom it may concern:*

Be it known that I, WILLIAM JOHN McGARRY, citizen of the United States, and resident of Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Metal Lathing, of which the following is a specification.

This invention relates to metal lathing and its object is to provide strengthening and bracing means to prevent bulging and buckling of the metal and to maintain its original shape when covered with the plaster. This means consists of ribs or offsets formed from and integral with the metal of the lathing itself, as will be more fully explained in the following specification, set forth in the claims and illustrated in the accompanying drawings, where:

Figure 1 represents a horizontal sectional view of the improved lathing. Fig. 2 is a similar view of a modified form. Fig. 3 is an elevation of the lathing shown in Fig. 1. Fig. 4 is an elevation of the lathing shown in Fig. 2.

On account of the great weight of the plaster put upon ordinary metal lathing it is apt to bulge same or cause it to sag, and to overcome this objectionable feature it is necessary to brace and strengthen the lathing with rods and angle irons. This invention provides a series of loops ribs or flanges formed perpendicularly in the sheet metal preferably along lines which do not interfere with the perforations which hold the plaster. In the form shown in Fig. 1 the alternate ribs are formed on opposite sides of the metal and of such a height that is equivalent to the thickness of the plaster or less and the intermediate perforate metal strikes a diagonal line from the base of one rib to the other. This formation affords additional

strength as the diagonal formation of the metal affords a bracing effect.

In the form shown in Fig. 2 it will be seen that the ribs are on the same side of the metal so that the outer surface of the plaster may be reduced to a minimum thickness. This form, however, has not the strength possessed by that above described and it is obvious that the arrangement of these ribs in similar methods or any desirable manner may be resorted to to strengthen the sheet metal so that it may possess more stability.

What I claim as new and desire to secure by Letters Patent is:

1. In metal lathing, the combination with ribs or offsets composed of a double thickness of the metal pressed together at each side of the panels on one side of the metal and then on the other alternately and within parallel lines, of intermediate perforated sections running diagonally from the base of one rib to the base of the other.

2. In metal lathing, the combination with alined ribs or offsets composed of a double thickness of the metal pressed together first on one side of the lathing and then on the other, of intermediate perforated sections formed at angles to the ribs.

3. In metal lathing, the combination with substantially solid ribs projecting alternately from opposite sides of the metal to strengthen the same, and arranged within parallel lines, of intermediate perforated panels diagonal to the parallel lines and connecting the bases of the ribs.

Signed at New York in the county of New York and State of New York.

WILLIAM JOHN McGARRY.

Witnesses:

JAMES F. DUFFANEL,  
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