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PATENTED MAY 12, 1908.

T. W. MACINTOSH.
SHEET METAL LATHING.
APPLICATION FILED MAR. 25, 1907.

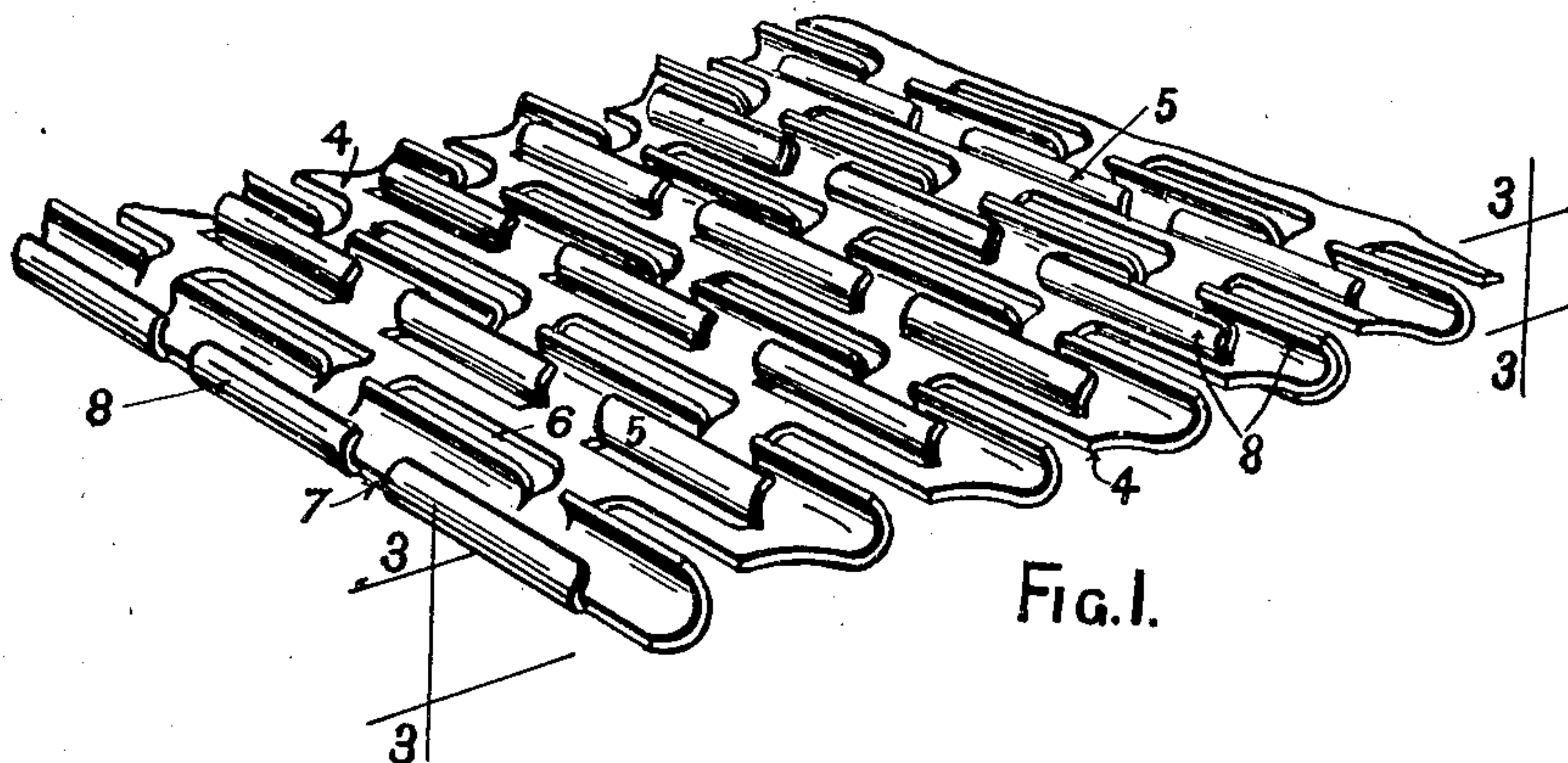


FIG. 1.

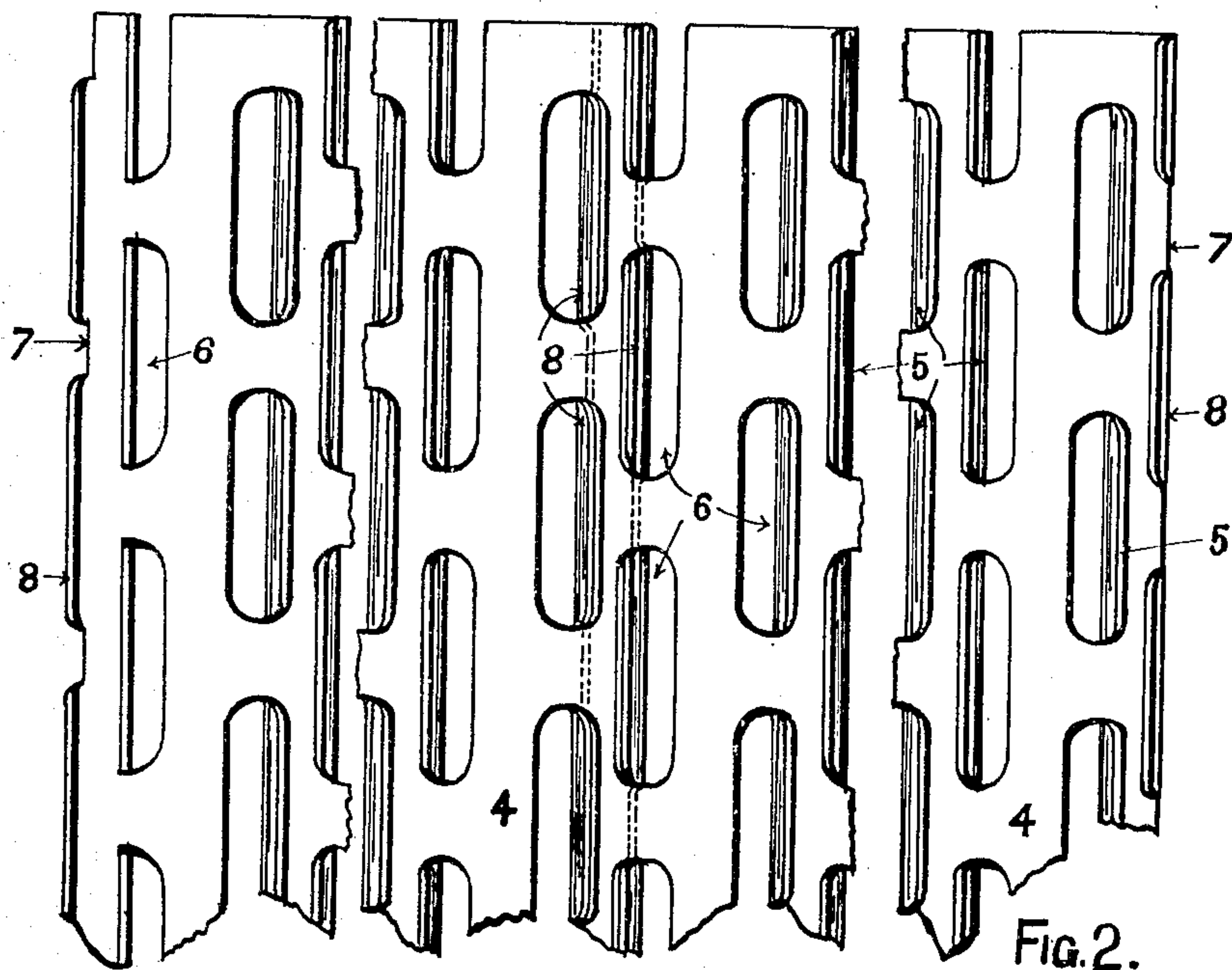


FIG. 2.



FIG. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS WALKER MACINTOSH, OF PENSHURST, NEAR SYDNEY, NEW SOUTH WALES, AUSTRALIA.

SHEET-METAL LATHING.

No. 887,674.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed March 25, 1907. Serial No. 364,223.

To all whom it may concern:

Be it known that I, THOMAS WALKER MACINTOSH, a subject of the King of Great Britain, residing at Roseby street, Penschurst, near Sydney, in the State of New South Wales and Commonwealth of Australia, millwright, have invented a new and useful Improved Sheet-Metal Lathing, of which the following is a specification.

10 This invention has been devised in order to provide an improved corrugated and perforated sheet metal lathing with projections to be used in substitution for laths in plaster walls and the like which is manufactured in
15 sections or sheets adapted to interlock one with the other and which is cheaper handier and more effective than substitutes for wood lathing ordinarily used.

The improved sheet metal lathing consists
20 of sheet iron or steel (preferably galvanized steel) corrugated with pieces a short distance apart along its length punched from the convexity of a corrugation and bent over towards the next corrugation to form a pro-
25 jection with such a set that two of these oppositely situated projections will form a dovetail hollow to receive and hold the plaster. The projections in the corrugations are set diagonally that is the middle of one is op-
30 posite the space between two on the next corrugation. At one edge of a section or sheet a parallel pair of projections are bent over to one another to form a hook or a sel-
35 vage of approximately tubular formation adapted to fit or interlock into a similar or corresponding tubular formation on the edge of the next section or sheet. But in order that the invention may be readily under-
40 stood the same will now be described with reference to the drawings accompanying and forming part of this complete specification and in which

Figure 1 is a perspective view of two sheets of the improved metal lathing interlocked
45 sidewardly together. Fig. 2 is a plan and Fig. 3 a cross sectional elevation on the plane 1-1 Fig. 1 of the same.

This improved sheet metal lathing with corrugations 4 and projections 5 is manufac-

tured from galvanized sheet steel passed end- 50 wise into a machine with suitable rollers so arranged that the sheet will become corrugated lengthwise as it passes along and then punched in a straight sector ended fashion as
6 in the body and reversely to said punchings 55 in both edges as at 7 and the punchings 5 and remainder edges 8 pressed from the corruga-
tions 4 and bent over on a mandrel to the re-
quired set preferably as shown. The punch-
ings 5 and the remainders 8 at one edge are 60 bent over more than the body punchings 5 so as to form a selvage adapted to take into and
between the similar punchings 7 and remain-
ders 8 on the outer edge of a similarly treated
sheet. Sheets of lathing may be formed 65 from the individual pieces of lath, constructed as hereinbefore described, of any required
size, and by reason of the interlocking or
hinging of the edges of said pieces of lath,
square corners or necessary curves may be 70 made by the sheets without dismembering the same.

In use these sheet metal lathings are nailed or otherwise fastened to the studs or
other support of a wall or ceiling or the like 75 each sheet being interlocked at its edges as described and the plaster is then spread over the sheeting and will be firmly held thereon by the hook-like or tubular formation or set
of the punchings 5 and remainders 8. 80

Having fully described and ascertained my said invention and the manner in which it is to be performed I declare that what I claim is:—

1. As an article of manufacture, a corru- 85 gated metallic piece of lath made of a single plate having through each slope of corruga-
tions a row of apertures, said apertures being
formed by cutting the metal plate and bend-
ing a portion outwardly and backwardly to- 90 wards the similar bent portions of the nearest
row of said apertures, the side edges of the
lath being provided with projections which
are similarly bent backwardly, and being
thereby adapted to interlock with adjacent 95 laths, substantially as described.

2. As an article of manufacture a sheet of metallic laths comprising two or more single

laths, constructed as herein described and claimed, and interlocking on their edges, substantially as described.

- 5 3. In a sheet metal lathing plate, the combination of two metallic laths each having longitudinal exterior and interior open ribs connected together by an integral web, and interlocking edges, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of 10 two subscribing witnesses.

THOMAS WALKER MACINTOSH.

Witnesses:

FRED WALSH,

PERCY NEWELL.