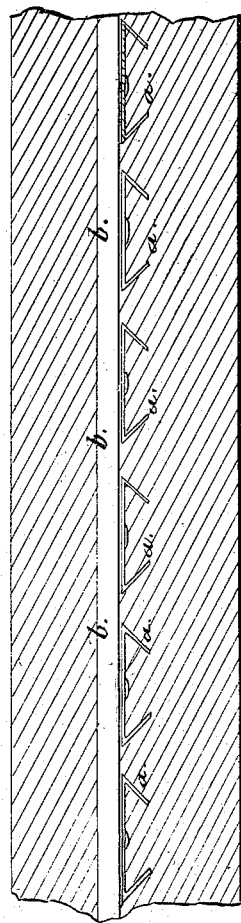


P. Sumner.

Metal Lathing.

No 3,566.

Patented Apr. 25, 1844.



Witnesses:

Paul R. Dodge

J. B. Barnard

Inventor:

Palmer Sumner

UNITED STATES PATENT OFFICE.

PALMER SUMNER, OF NEW YORK, N. Y.

METALLIC LATH FOR FIREPROOF CEILINGS OF HOUSES.

Specification of Letters Patent No. 3,566, dated April 25, 1844.

To all whom it may concern:

Be it known that I, PALMER SUMNER, of the city, county, and State of New York, have invented a new and Improved Mode
5 of Making Fireproof Ceilings for Buildings; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in making fire proof ceilings by means of
10 metal laths, either of iron or any other suitable metal.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction:

15 I construct my ceiling either of iron rafters or any other suitable material known to be fire proof. I then attach to said rafters what I term a fire proof lath made also of iron or any other suitable material, having
20 each edge of the lath bent over and inclining to the center so as to form a longitudinal groove forming a dovetail for holding the mortar on each lath, the lath being shown in section marked (*a, a, a, a, a, a*); also there
25 is another tier of laths riveted or nailed on to these laths running at right angles as marked (*b, b,*) forming a necessary ground

work for what I call a double ceiling, so as to have plastering above and below as shown both above and below the laths *a*, 30 and *b*, in drawing, showing also how the mortar is held by the dovetail groove in the lath made by turning the edges over so that it is impossible for the mortar to fall off. I also in constructing my ceiling run 35 my rafters diagonally across the room both above and below so that by so constructing them and likewise being of metal the expansion being so small that the ceiling will not crack as is commonly the case with 40 wood ceilings.

What I claim as my invention and desire to secure by Letters Patent, is—

The within method of constructing metal laths, either of iron, or any other suitable 45 material—also the constructing of ceilings by running the laths diagonally across the room so as to be least affected by the expansion all of which is fully set forth in the annexed specification and drawings.

PALMER SUMNER.

Witnesses:

PAUL R. HODGE,
F. B. BARNARD.