

(No Model.)

B. SCARLES.  
METALLIC LATHING.

No. 388,449.

Patented Aug. 28, 1888.

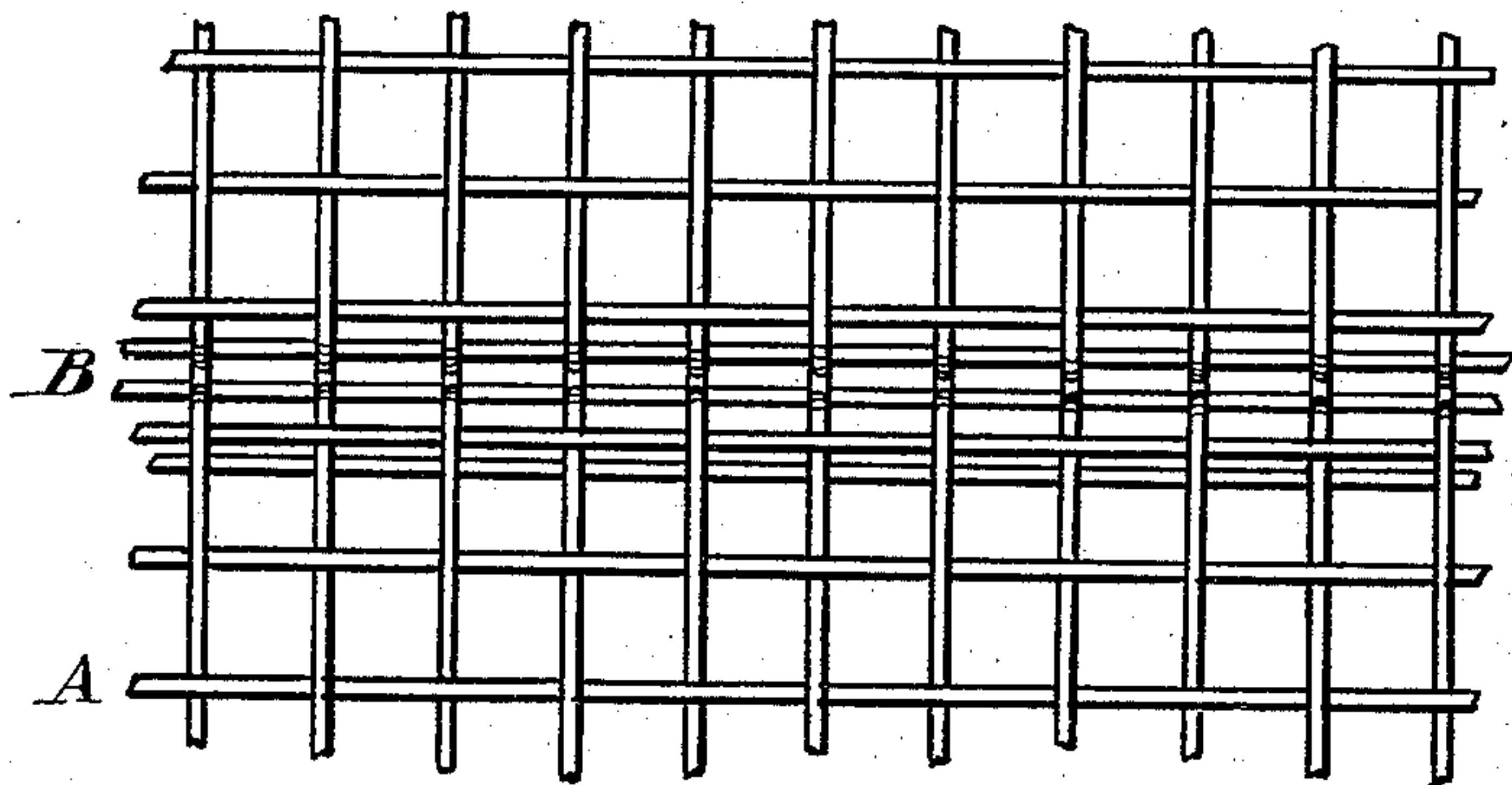


Fig 1

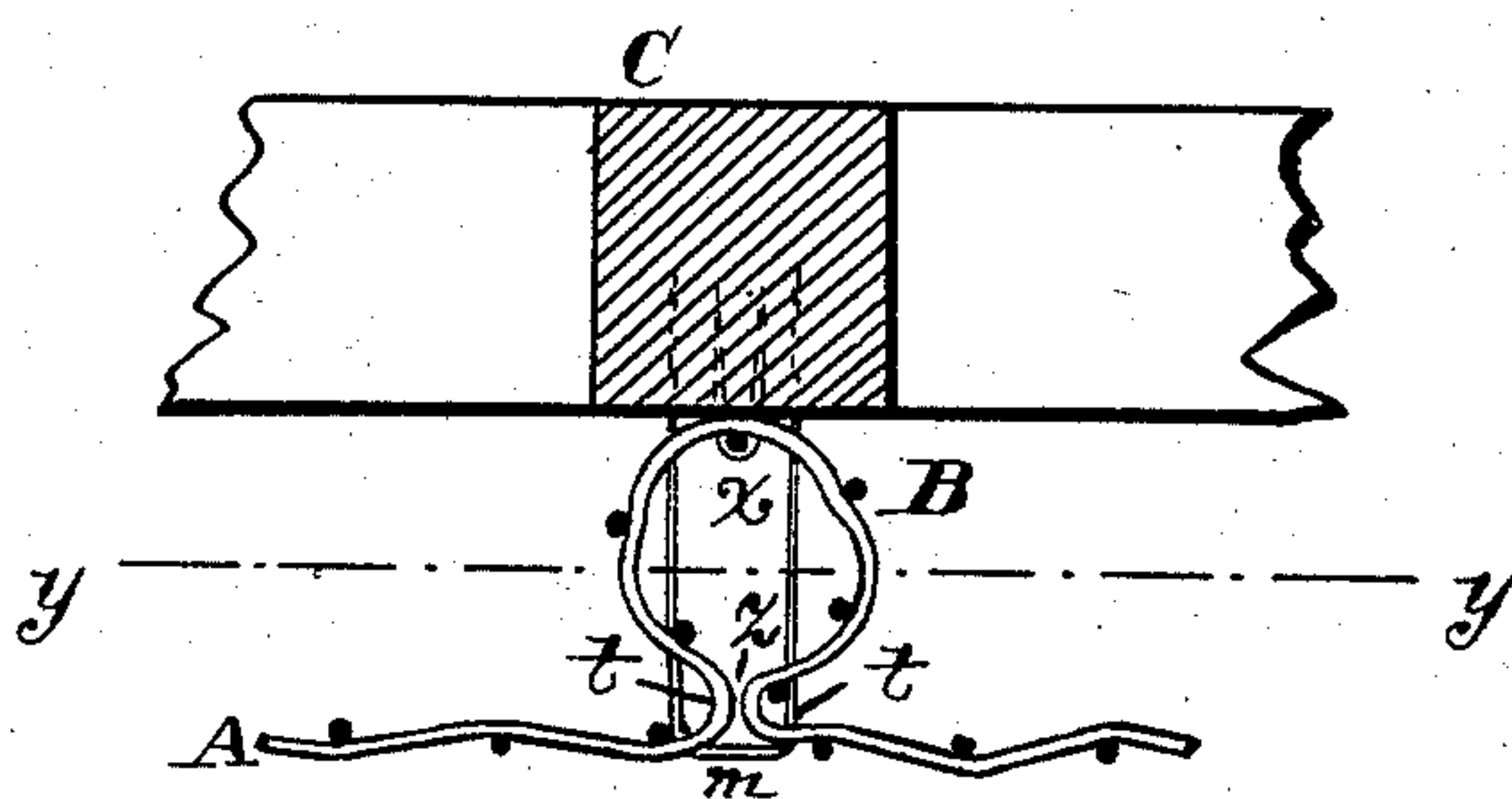


Fig 2

WITNESSES

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ATTY'S.

# UNITED STATES PATENT OFFICE.

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## METALLIC LATHING.

SPECIFICATION forming part of Letters Patent No. 388,449, dated August 28, 1888.

Application filed June 2, 1887. Serial No. 240,040. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN SCARLES, of Clinton, in the county of Worcester, State of Massachusetts, have invented a certain new and useful Improvement in Metallic Lathing, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation of a piece of my improved lathing detached, and Fig. 2 an enlarged vertical transverse section of the same represented as in position for use on the ceiling of a room.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of metallic lathing in which the body or lathing proper is composed of wire-cloth and provided with furring; and it consists in a novel construction and arrangement of parts, as hereinafter more fully set forth and claimed, the object being to produce a cheaper and more desirable article of this character than is now in ordinary use.

The nature of the improvement will be readily understood by all conversant with such matters from the following explanation:

In the drawings, A represents the body of the lathing; B, the furring, and C the beam to which the lathing is attached.

The body A is composed of wire-cloth, the warp, filling, and meshes of which may be of any suitable size. The furring B is also formed of wire-cloth, being integral with the body A or formed from the same piece. It is nearly round in cross-section, but may be oval, angular, or of any other suitable shape, and extends entirely across the web, it being understood that the web is provided at intervals throughout its length at its rear or back with corresponding furrings.

The furrings may be formed by bending the cloth over a rod or bar corresponding in cross-section with the contour of the furring in cross-section and then withdrawing the rod,

or it may be formed in any other suitable manner, either before or after the web leaves the loom. On its side adjoining the body of the cloth the furring is closed, or nearly so, as shown at *z*, the body A at either side of the furring being bent or curved inwardly, as shown at *t*, so that when the plastering is applied and forced through the meshes of the body and furring—for example, to the line *y*—the furring, the body proper, and the bent portions *t* of the body will all be cemented or bound together thereby and the furring rendered much firmer and stronger than when it is so formed that its side adjoining the body of the lathing is open to a greater extent.

In attaching the lathing to the beam C a staple, *x*, is employed; but I also use a larger staple, *m*, which passes through the body A and through the furring laterally. Any suitable means for securing the furring to the walls or ceiling of a room may, however, be employed, according to the circumstances of the case.

It will be obvious that by forming the furring-strips B integral with and extending across the web of cloth, as described, a very light, strong, and desirable lathing is produced at a comparatively cheap price. I do not, however, confine myself to forming the furring-strips B crosswise of the web or in parallelism with its warp-wires, as they may be arranged longitudinally or in parallelism with its filling-wires if preferred.

Having thus explained my invention, what I claim is—

1. As a new article of manufacture, a metallic lathing having a body composed of wire-cloth and provided at intervals with furrings formed integral therewith and extending across the same, said furrings being closed or nearly closed on the side adjoining the body of the cloth, substantially as described.

2. As a new article of manufacture, a metallic lathing having a body composed of wire-cloth A of lateral and longitudinal strands and provided at intervals with furrings B, formed integral therewith and extending laterally across the same, said furrings being closed or nearly closed on the face of the cloth, in combination with small staples *x*, embracing



ing a lateral strand at the extreme rear of the furring and extending into the wall, substantially as described.

3. As a new article of manufacture, a metallic lathing having a body composed of wire-cloth A of lateral and longitudinal strands and provided at intervals with furrings B, formed integral therewith and extending laterally across the same, said furrings being closed or nearly closed on the face of the cloth, in combination with small staples  $\alpha$ , embracing a lateral strand at the extreme rear of

the furring and extending into the wall, and a larger staple,  $m$ , embracing a number of lateral strands in the body of the cloth and furring and also extending into the wall, substantially as described. 15

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Witnesses:

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