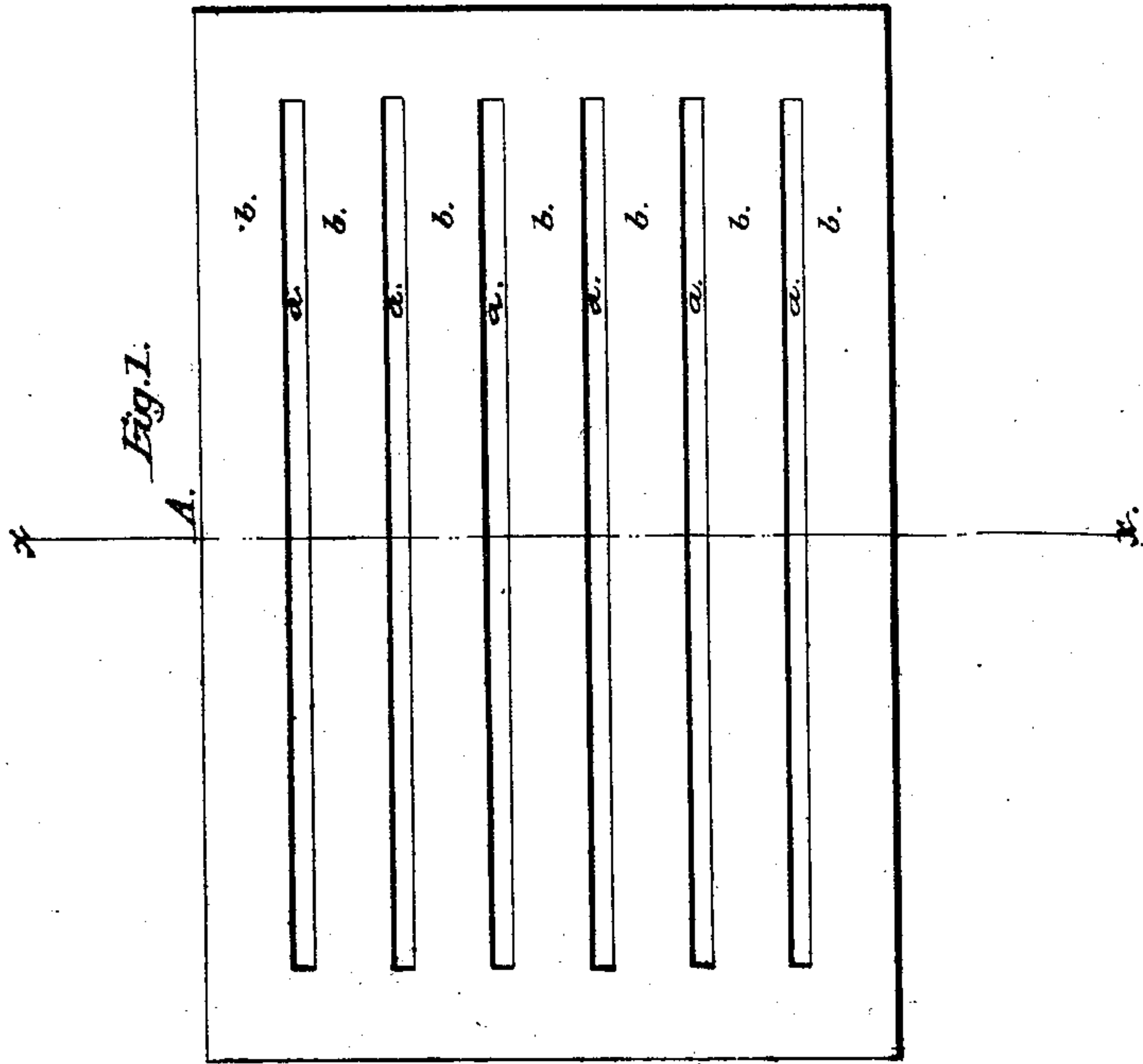
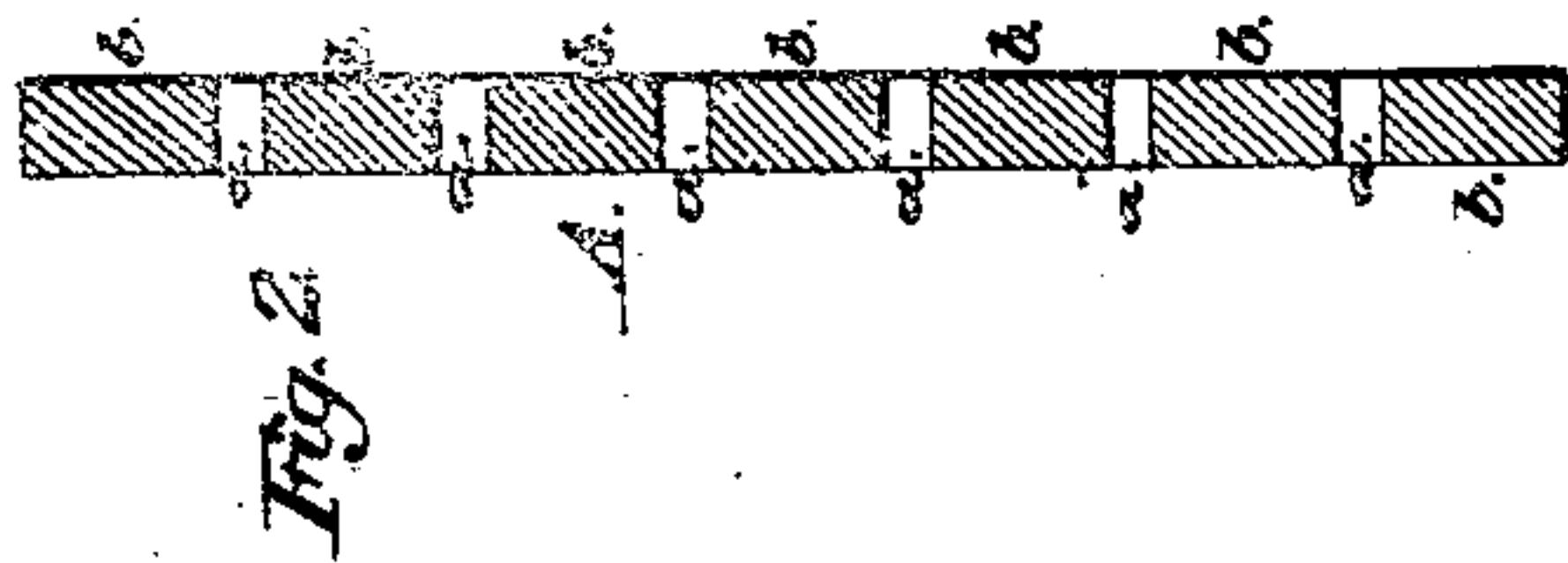


D. D. Garland.
Lathing.

N^o 43,018.

Patented Jan. 7, 1864.



Witnesses:
Wm. Coombs
Henry Morris

Inventor:
D. D. Garland
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UNITED STATES PATENT OFFICE.

D. D. GARLAND, OF KEWAUNEE, WISCONSIN.

IMPROVEMENT IN LATHING FOR WALLS AND CEILINGS.

Specification forming part of Letters Patent No. 43,018, dated June 7, 1864.

To all whom it may concern:

Be it known that I, D. D. GARLAND, of Kewaunee, in the county of Kewaunee and State of Wisconsin, have invented a new and useful Improvement in Lathing for Receiving the Mortar to Form Walls and Ceilings in Buildings; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a face view of my invention; Fig. 2, a transverse section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

This invention consists in having boards sawed from any suitable timber of a thickness about equal to that of ordinary laths, and having said boards or pieces of the same slotted longitudinally nearly their whole length, the spaces between the slots being about equal in width to an ordinary lath, whereby several advantages are obtained over the ordinary laths, as hereinafter set forth.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

The ordinary laths for plastering, as is well known, are sawed out in detached pieces of a suitable length and width and then nailed separately to the studs, with a space allowed between them for the mortar to pass through and form a "clinch." The laths are nailed to the studs by the eye only, and consequently the spaces between them will vary materially in width, and in many cases they will be nailed to the studs at either too great a distance apart or too near together to admit of the mortar forming a perfect clinch. Considerable time is also expended in nailing the laths

to the studs and a comparatively large amount of nails required for the purpose.

My invention fully obviates these objections. I saw from the timber or log boards A of a thickness about equal to that of the ordinary laths. These boards may be used entire if desired—that is to say, not cut or sawed into pieces; but I prefer to cut them into pieces from sixteen (16) inches to that of an ordinary lath in length. These entire boards or the pieces are then slotted longitudinally, as shown at *a*, the spaces *b* between the slots being equal in width to that of an ordinary lath, and the slots *a* being of uniform width. These slots *a* may all be cut by a machine, and a blank space, *c*, is left at each end of each board or piece A. These boards or pieces are nailed to the studs and covered with plaster in the same way as the ordinary laths.

It will of course be seen that the studs can be very rapidly covered by the slotted boards or pieces A, and that a very strong and durable ceiling or wall is obtained thereby.

It will also be seen that less nails will be required in securing said boards or pieces to the wall than is used with the ordinary laths, and also that the slots *a* and spaces *b* between them will be of a uniform width throughout.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An improved lathing for walls and ceilings, constructed of boards or pieces sawed of a proper thickness from any suitable timber and slotted longitudinally, substantially as herein shown and described.

Witnesses: D. D. GARLAND.
S. WALKER,
M. S. FINLEY.