

(No Model.)

M. BRENDEL.
METALLIC LATHING.

No. 516,388.

Patented Mar. 13, 1894.

Fig. 1.

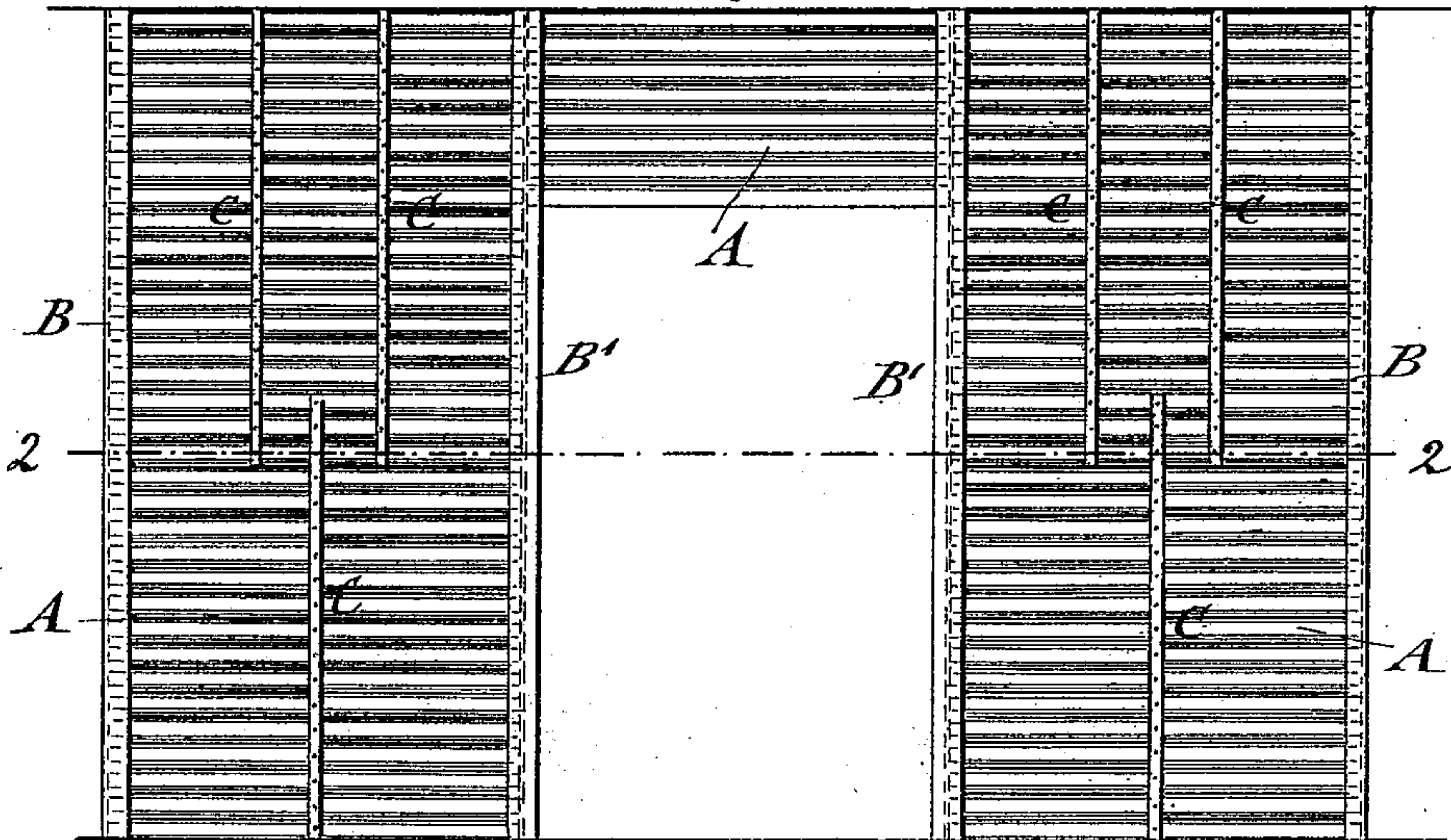


Fig. 2.

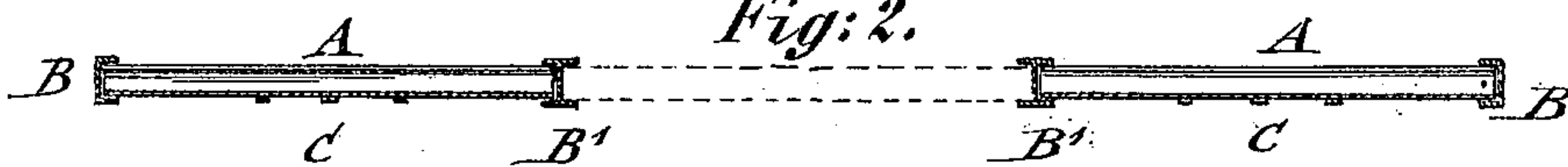
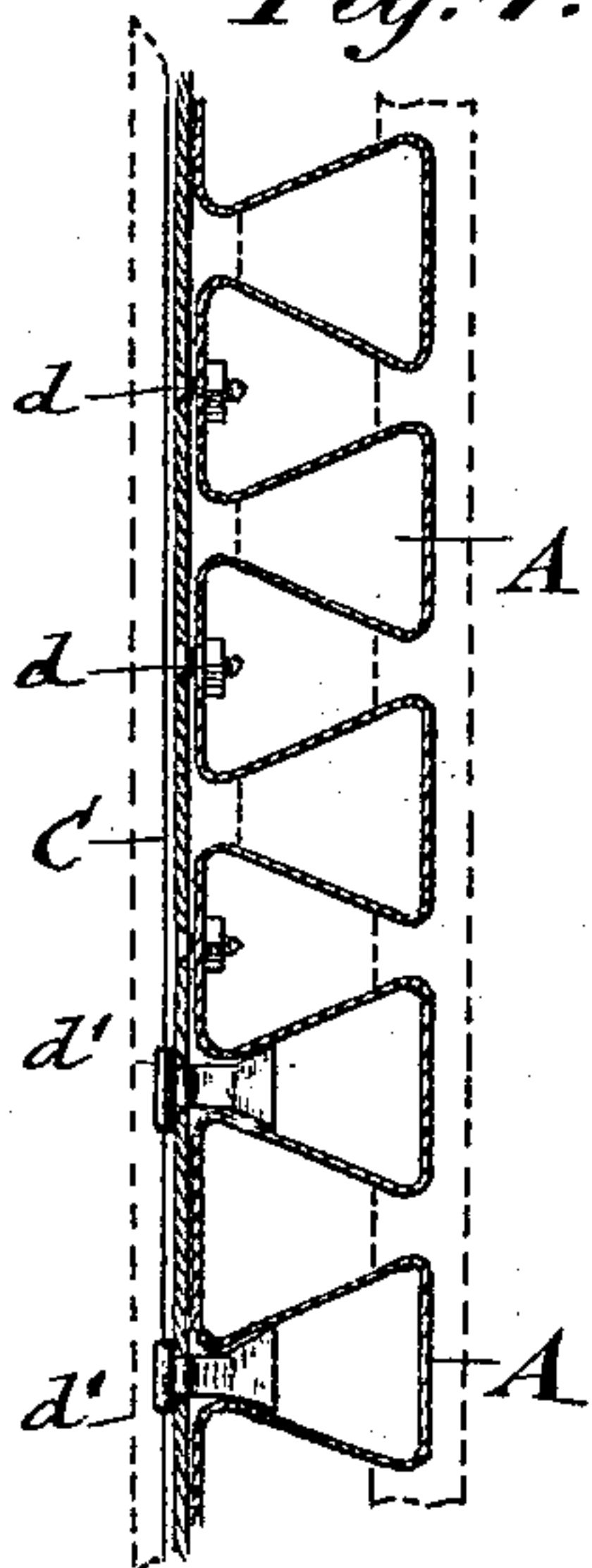


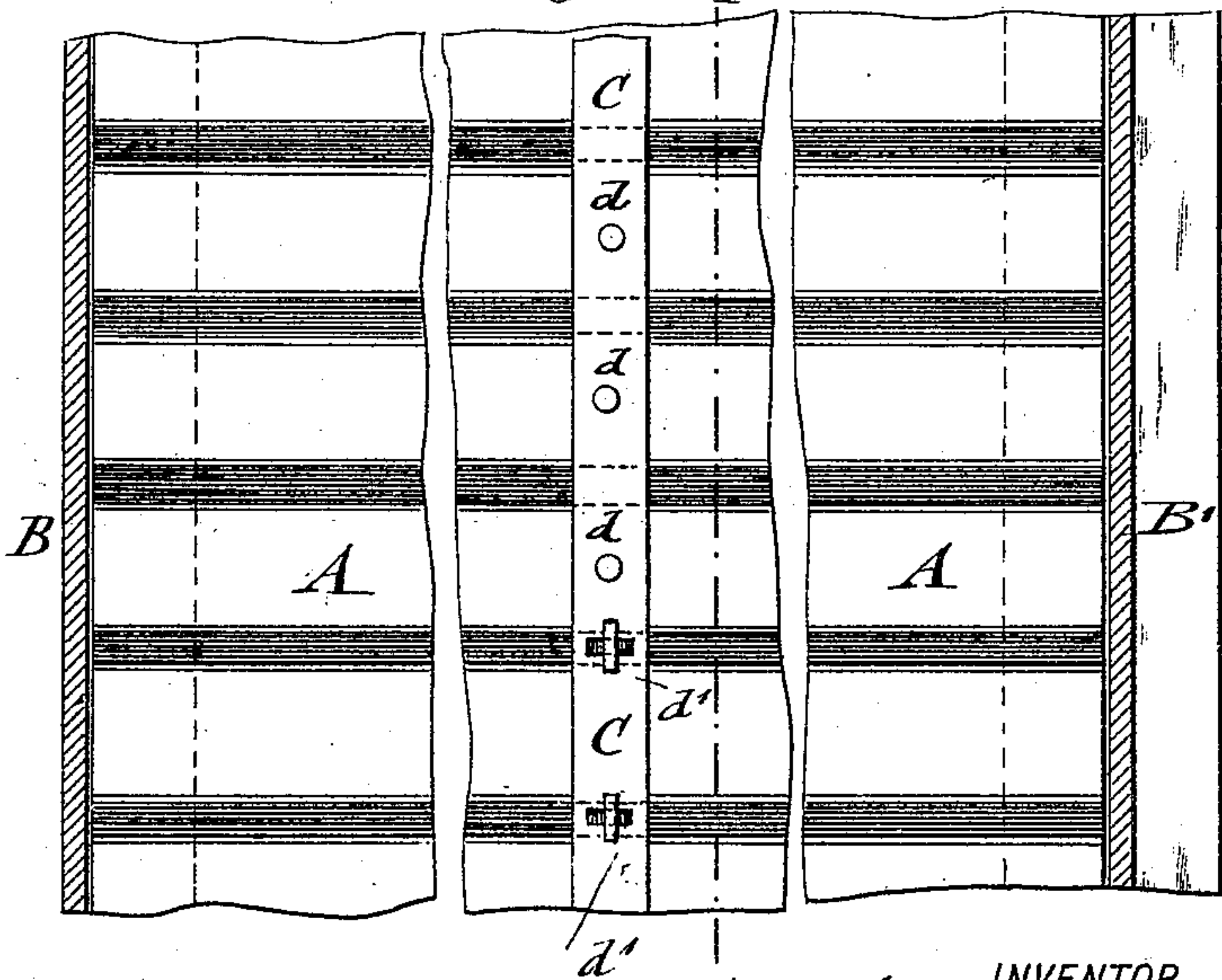
Fig. 4.



WITNESSES:

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Fig. 3.



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METALLIC LATHING.

SPECIFICATION forming part of Letters Patent No. 516,388, dated March 13, 1894.

Application filed June 7, 1892. Renewed January 16, 1894. Serial No. 497,108. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL BRENDDEL, a citizen of the United States, and a resident of the city, county, and State of New York, have
5 invented certain new and useful Improvements in Metallic Lathing, of which the following is a specification.

This invention relates to an improved metallic lathing which is supported by metallic
10 studding and to which the plaster coating is applied directly on each side of the same so as to form fire-proof partition walls for buildings; and the invention consists of a metallic lathing, which is made of sheet-metal
15 of suitable thickness and bent so as to form transverse corrugations of dove-tail shape provided with straight ends and sides, and rounded off corners, said corrugated sheets being supported at the ends and at the door-
20 openings by upright studs of U-shaped and double T-shaped cross-section and at intermediate points by means of stiffening strips which are attached to the lathing by suitable fastening devices, as will be fully described
25 hereinafter and finally pointed out in the claim.

In the accompanying drawings, Figure 1 represents a side-elevation of a partition-wall made of my improved metallic lathing.
30 Fig. 2 is a horizontal section of the same on line 2 2, Fig. 1. Fig. 3 is an elevation of a portion of the wall, drawn on a larger scale, and Fig. 4 is a vertical transverse section on line 4 4, Fig. 3.

35 Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a section of my improved metallic lathing which is made of sheet-metal of suitable
40 thickness, which is bent by suitable machinery into transversely-corrugated shape, the corrugations being made in dove-tail form and provided with straight sides and ends and with rounded off corners as shown clearly
45 in Fig. 4. The length of the sheet-metal employed is reduced by the bending operation to about one-third of the original length. The corrugated sections A can be readily
50 joined in horizontal as well as vertical direction by overlapping the adjacent portions of the sections no special fastening devices being required for this purpose. The lathing A is supported on the main walls of the
55 building by means of U-shaped studs or

are arranged by means of double T-shaped supports B', which latter also serve for receiving the door-casing. At intermediate points of the lathing, it is stiffened or reinforced by means of vertical strips C which
60 extend transversely across the corrugations and are attached to the same either by means of screw-bolts and nuts d which connect the strips C with the straight ends of the corrugations or by means of wedge-shaped an-
55 chors d' having T-shaped heads which are passed through transverse slots of the supporting strips C into the narrow space between two corrugations and then turned
70 through an angle of ninety degrees, so that the inner wedge-shaped portion engages the inclined sides or throat of the corrugations, as shown in Fig. 4.

The advantages of my improved metallic lathing are, first, that the same can be made
75 up in sections of uniform size and applied directly so as to form a wall by joining the sections in horizontal as well as vertical direction by simply overlapping one or more
80 adjacent corrugations of the same; secondly, that the same can be used directly for partition-walls, as the plaster can be readily applied to both sides of the lathing, those portions of the plaster which enter into the narrower ends of the throats of the corrugations
85 forming anchors for retaining the plaster in position, and thirdly, that a light, strong and fire-proof construction of partition-walls is obtained, which is specially adapted for the
90 partition walls of fire-proof buildings.

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

The combination of flanged metallic studding, sections of sheet-metal lathing having
95 dove-tailed corrugations corresponding in depth with the recesses formed by the inner and outer flanges of said studding, the corrugated edges of said lathing being inserted freely between said flanges, and reinforcing
100 strips attached to the outer face of said corrugated plate transversely of the corrugations, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

MICHAEL BRENDDEL.

Witnesses:

OSCAR F. GUNZ,

CHARLES SCHROEDER.