

(No Model.)

A. NORTHROP.
METALLIC CEILING.

No. 299,255.

Patented May 27, 1884.

Fig 1.

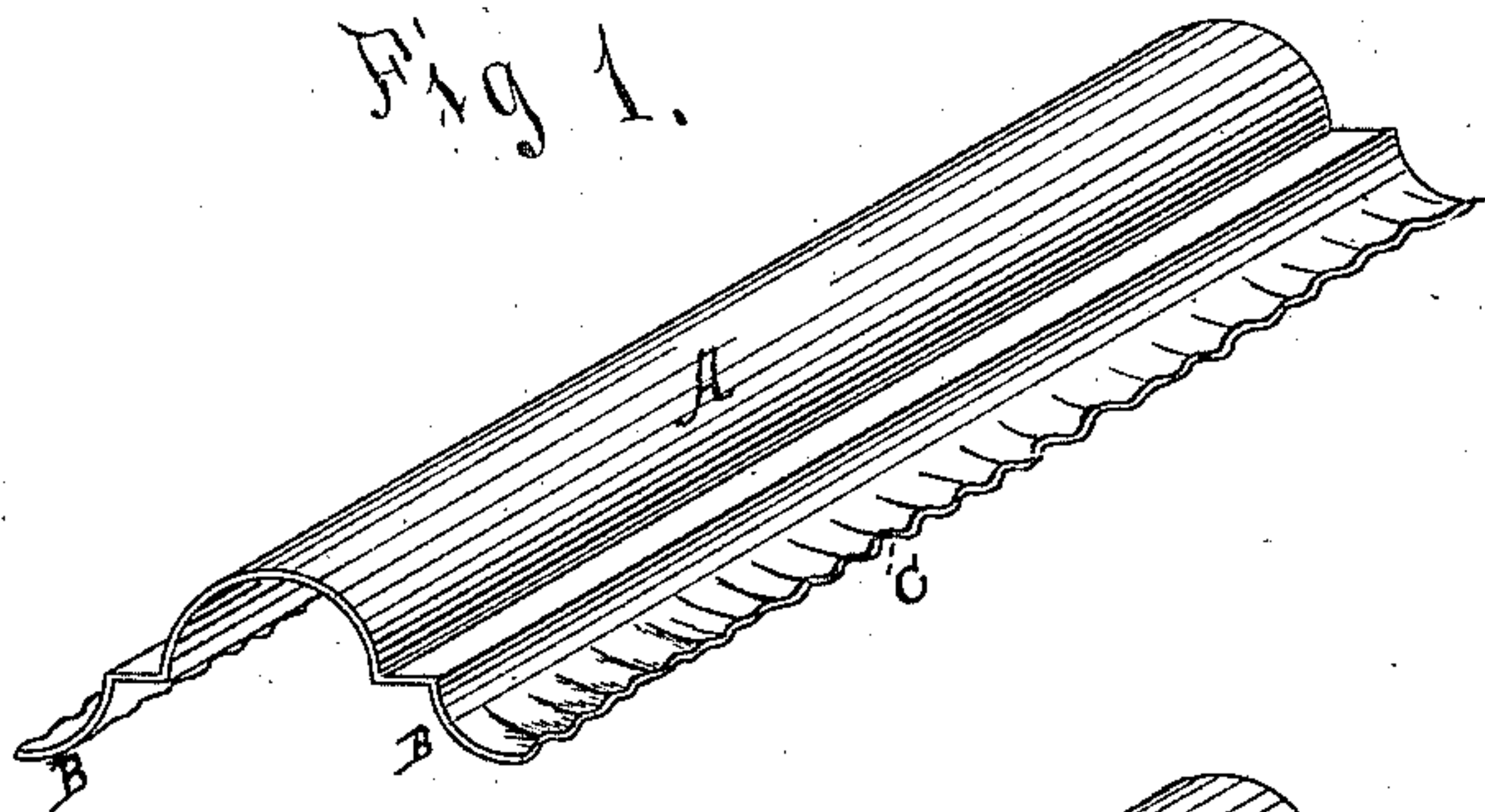


Fig 2.

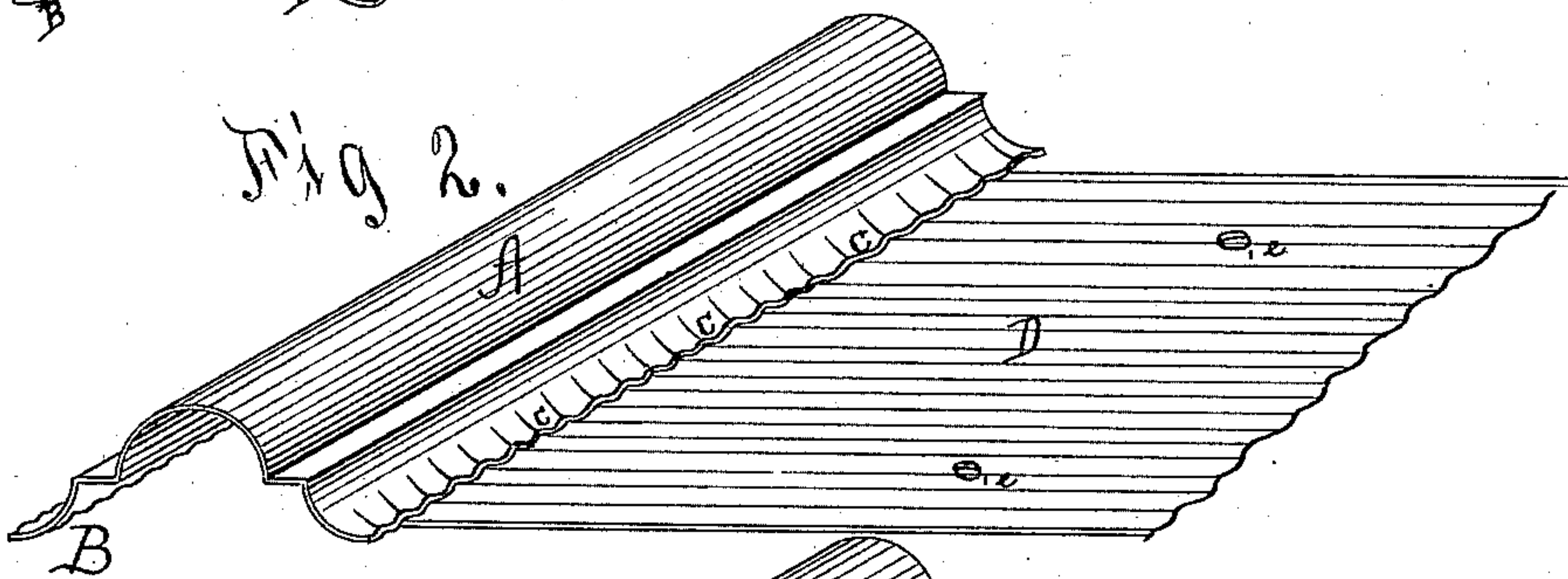


Fig 3.

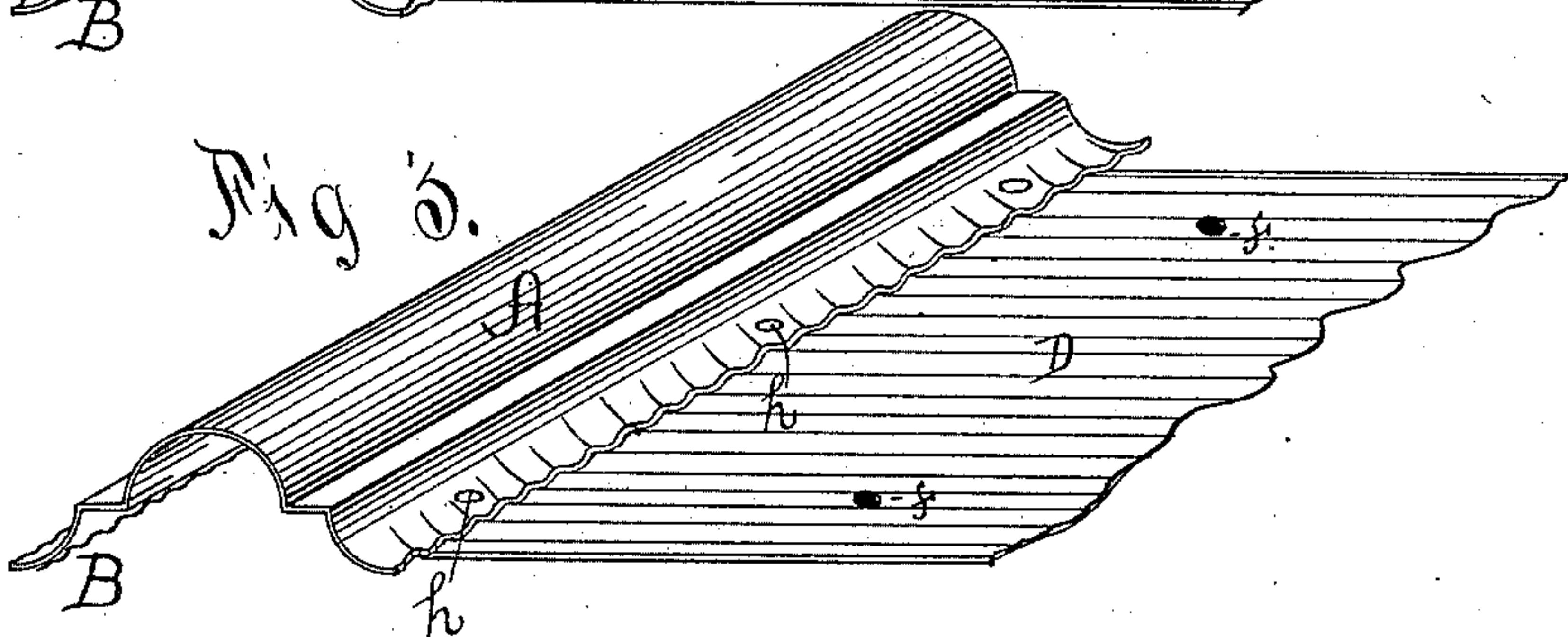
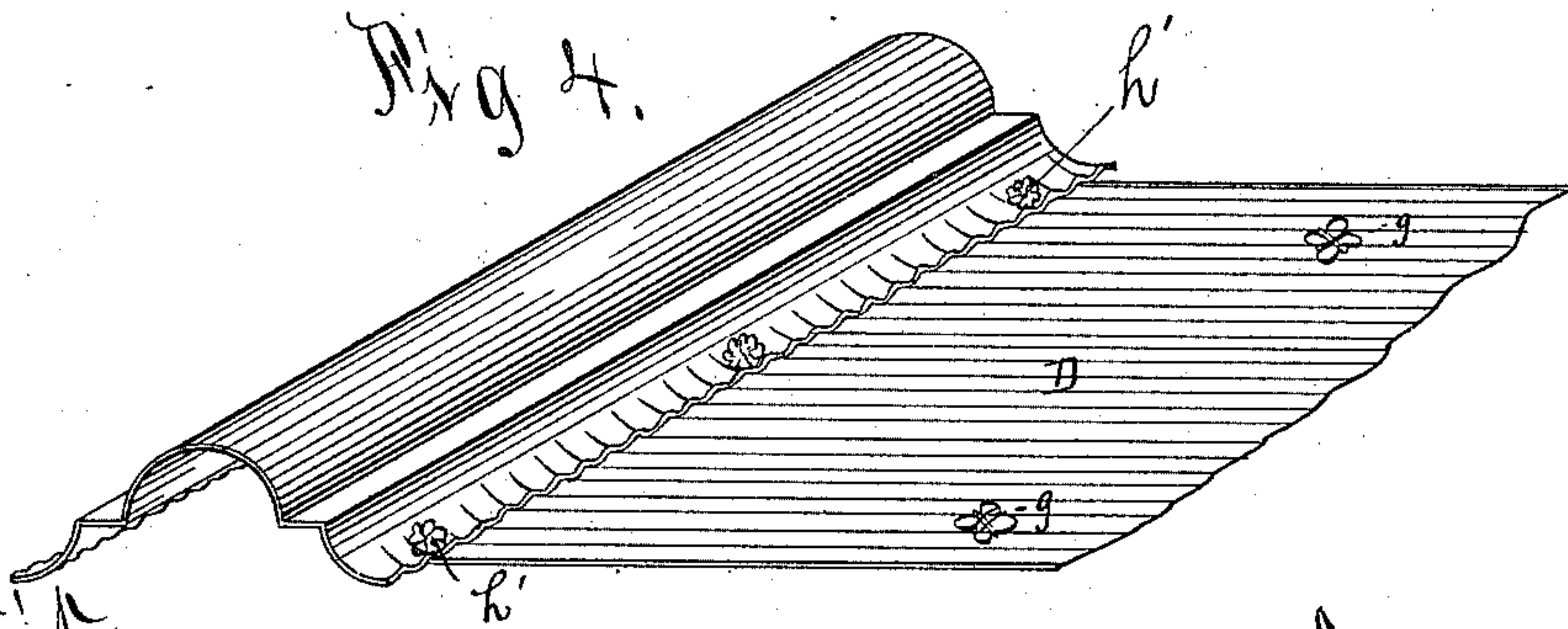


Fig 4.



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UNITED STATES PATENT OFFICE.

ALBERT NORTHROP, OF PITTSBURG, PENNSYLVANIA.

METALLIC CEILING.

SPECIFICATION forming part of Letters Patent No. 299,255, dated May 27, 1884.

Application filed September 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, ALBERT NORTHROP, of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Metallic Ceilings; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in sheet-iron ceiling or siding; and it consists in providing the edges of the capping or molding with corrugations or crimps corresponding in size and form to the corrugations formed in the sheet or panel over the joints or edges of which the cap or molding may be placed, and also in providing said sheets or panels with openings of larger diameter than that of the nails employed for securing the sheets in place, said openings and nails covered with ornamental rosettes, all of which will hereinafter more fully and at large appear.

In the accompanying drawings, which form part of this specification, Figure 1 is a perspective view of a section of a cap or molding the edges of which are provided with corrugations. Figs. 2, 3, and 4 are perspective views of the corrugated sheet and cap. In Fig. 2 the sheet is shown provided with openings for the reception of nails. These openings are larger than the shank of the nail, to admit the expansion and contraction of the corrugated sheet. Fig. 3 shows the nail-heads protruding from the openings in the sheet. In this view the crimped edge of the cap is provided with openings. Fig. 4 shows ornamental rosettes over the nail-heads.

Reference being had to the accompanying drawings, A represents the cap or molding, the edges B of which are provided with corrugations or crimps C, which correspond in form and size to the corrugations in the sheet D, the openings of which are marked *e*, and the nails for holding the sheet in place are marked *f*, and the rosette which covers the opening

and nail is marked *g*. The ends of the sheets where they engage the caps are provided with openings for the reception of nails. These openings are represented by the letter *h*, said openings being larger than the nails, whereby the cap and sheet may expand and contract without displacing the nail. *h'* represents the rosettes on the nails in the edges of the cap.

The advantage of my improvement consists in providing a simple and efficient means for compensating for the expansion and contraction of the sheet metal, thereby avoiding the buckling and contortion of the sheet when secured in position, and also in providing an ornamental means for covering from view the means employed for compensating contraction and expansion of said sheets, cap, or molding. The corrugations or crimps C in the edge of the edges B or cap or molding A will tend to prevent lateral motion in sheet D, and will impart at the same time an ornamental finish to the combined cap and sheet, giving it the appearance of a single piece of sheet metal when said parts are united and in position.

Having thus described my improvement, what I claim as of my invention is—

1. The cap or molding A, the edges B of which are provided with corrugations or crimps C, in combination with a sheet of metal having corrugations or crimps, substantially as hereinbefore described, and for the purpose set forth.

2. In a metallic ceiling, a cap having corrugated edges, said edges being provided with openings for the reception of nails, in combination with a corrugated plate provided on its edge with openings adapted to register with the openings in the corrugated cap, said plate and cap openings being larger than the nails, whereby the parts may expand and contract without displacing the nails, substantially as described, and for the purposes set forth.

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Witnesses:

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