(No Model.)

2 Sheets—Sheet 1.

L. L. SAGENDORPH.

METALLIC CEILING.

No. 391,821. Patented Oct. 30, 1888.

Fig. 1.

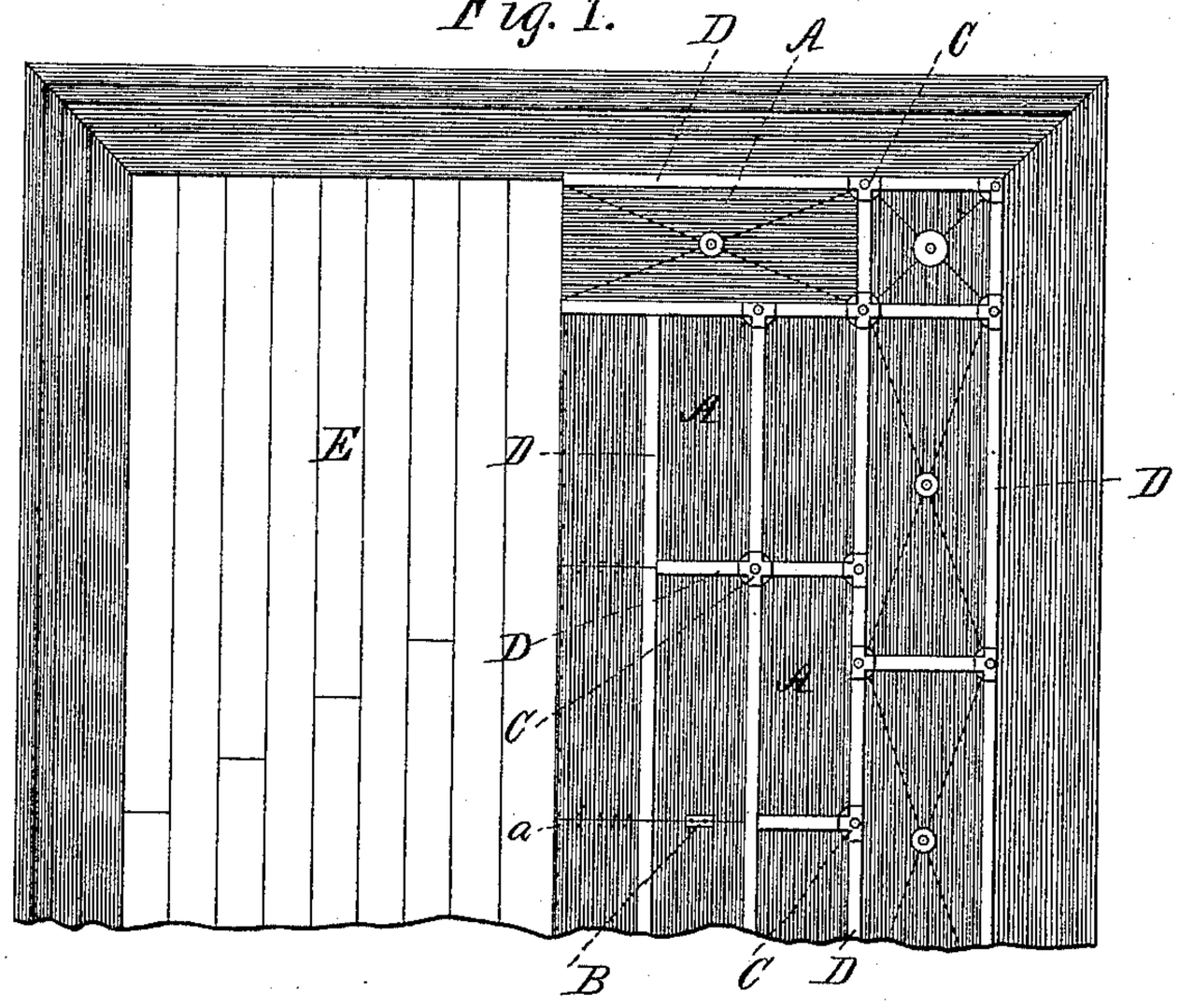


Fig. 2.

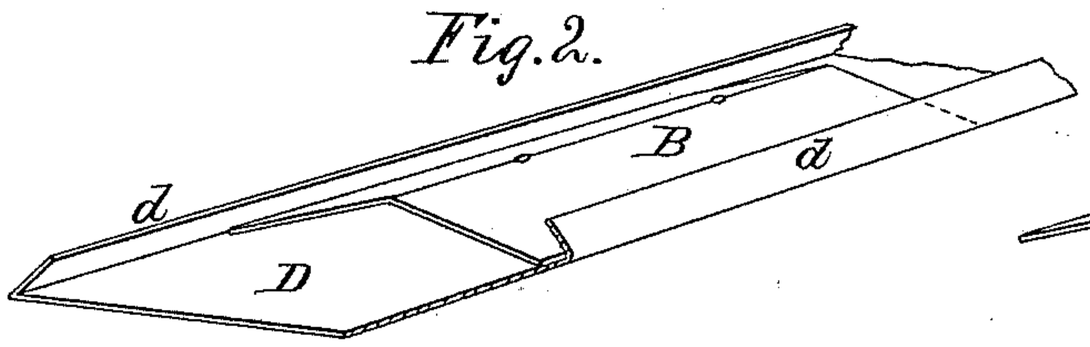


Fig. 3.

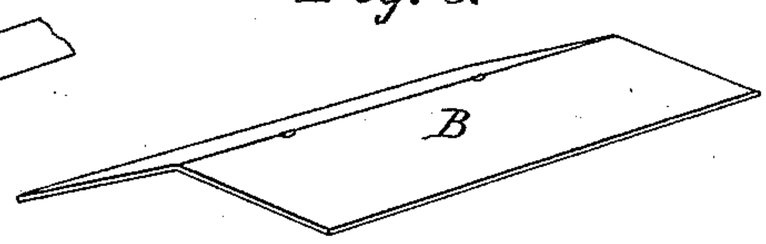
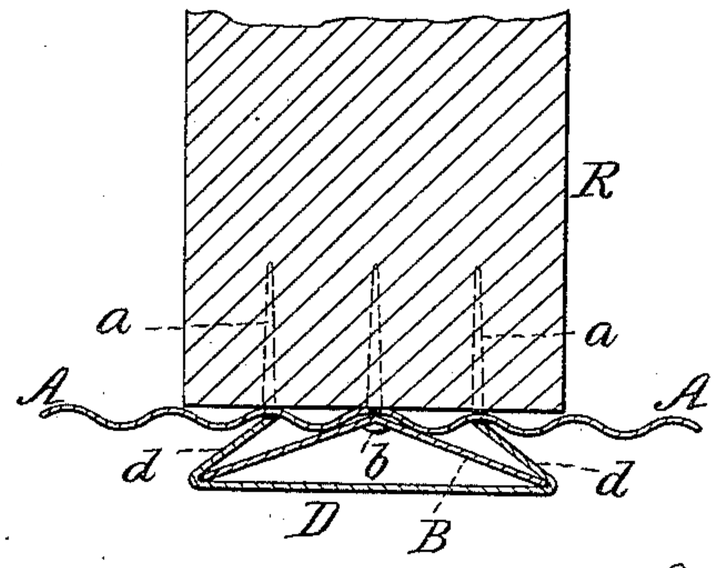


Fig. 4.



Witnesses:
H. Smith,
C. H. Paver.

Inventor:
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Attorney.

(No Model.) 2 Sheets—Sheet 2.

L. L. SAGENDORPH.

METALLIC CEILING.

No. 391,821. Patented Oct. 30, 1888.

Fig. 5.

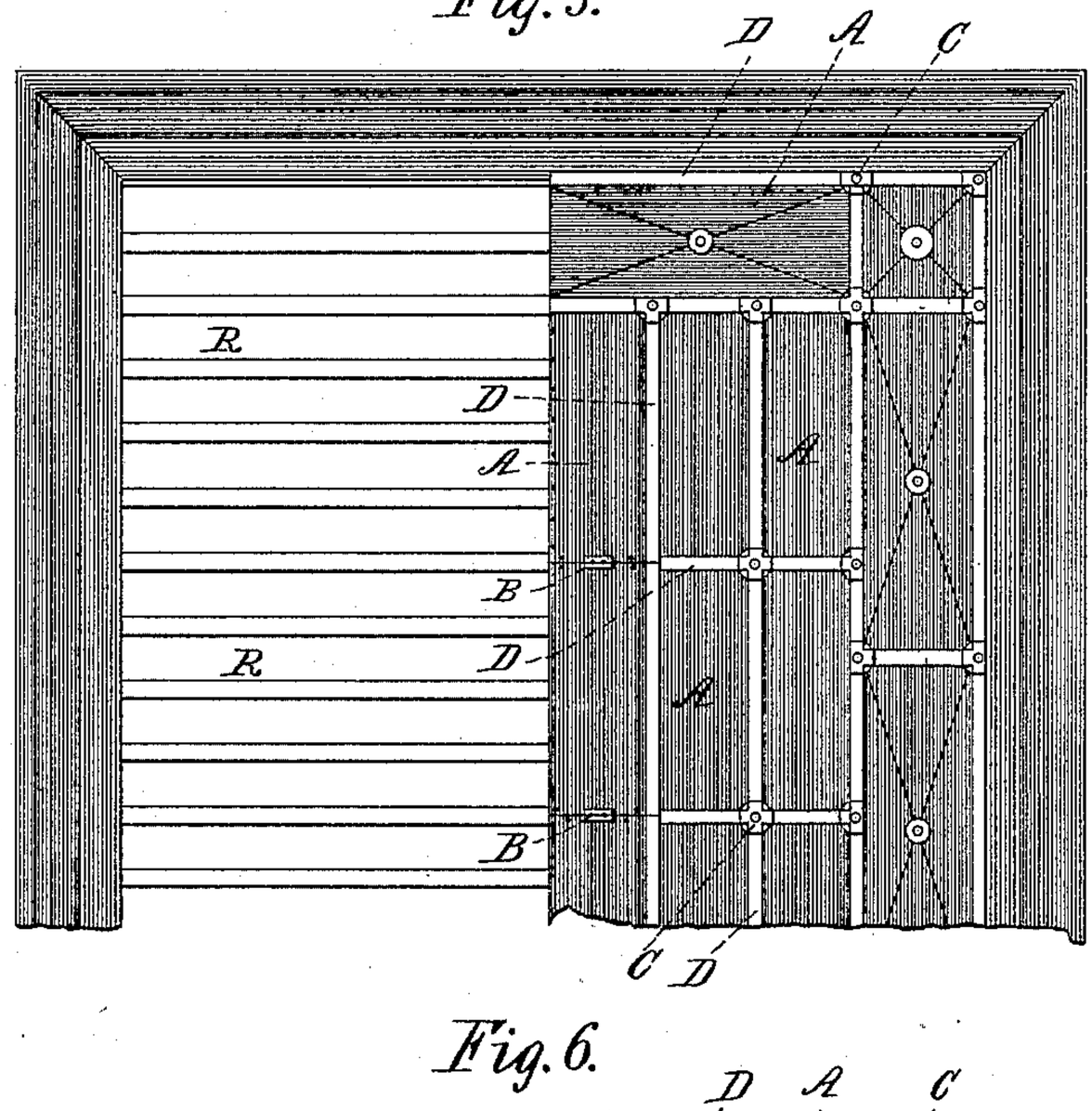

Fig. 6.

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UNITED STATES PATENT OFFICE.

LONGLEY LEWIS SAGENDORPH, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO CHARLES N. HARDER, OF PHILMONT, NEW YORK.

METALLIC CEILING.

SPECIFICATION forming part of Letters Patent No. 391,821, dated October 30, 1888.

Application filed February 27, 1888. Serial No. 265,405. (No model.)

To all whom it may concern:

Be it known that I, LONGLEY LEWIS SAGENDORPH, a citizen of the United States, and a resident of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Metallic Ceilings, of which the following is a specification.

The several features of my invention and the advantages arising from their use, conjointly or otherwise, will be apparent from the following description.

In the accompanying drawings, forming part of this specification, Figure 1 is a view of a sheathed ceiling partly covered with metallic sheets and illustrating my invention. Fig. 2 is a perspective view of my improved device for concealing the joints in metallic ceilings. Fig. 3 is a perspective view of the inner plate or tongue covering the joint. Fig. 4 is a vertical section through a rafter and ceiling illustrating my invention. Figs. 5 and 6 illustrate my device as applied to ceilings attached to different forms of frame-work, Fig. 5 showing the metal sheeting applied directly to the joists, and Fig. 6 shows the metal sheeting applied to the strips or stringers applied to the rafters.

The ceiling to be covered with the sheet-metal plates may be either covered first by a board sheathing, E, as illustrated in Fig. 1, or the sheet-metal plates may be directly attached to the rafters R, as shown in Fig. 5, or to stringers S crossing the rafters, as shown in Fig. 6.

The particular configuration of the ceiling is unimportant, provided the ceiling has proper parts or portions suitable to receive and hold the nails, whereby the metal sheets, cleats, and the like are attached to the ceiling.

In the drawings, the plates shown are the ordinary corrugated sheet-metal plates. Other forms of plates may be employed. These plates A are attached to the rafters or ceilings by nails, as *a*, (see more particularly Fig. 4,) and are arranged in any desired manner with reference to each other. Several modes of arrangement are shown in Figs. 1, 5, and 6. The tongues or plates B consist of pieces of metal, preferably rather short, bent along the center, so that the edges dip slightly downward. These tongues are placed along the joints between the several plates at short distances apart, as shown in Figs. 1, 5, and 6. These tongues are secured in place by nails *b* driven through them into the wooden sheathing or rafters beneath. The strips D are made of varying lengths, and are provided along their edges with flanges *d*, turned upward and slightly inward. These strips are made of such a width as to accommodate the tongues B between the flanges. After the tongues B have been put in place the strips D are slipped over them, completely hiding the joints between the sheets and forming an elegant finish. There is no difficulty in putting the short cross-strips in place after the longitudinal strips have been slipped on, because the tongues B for the cross-strips do not come close to the longitudinal strips, giving an opportunity to catch the end of the cross-strip over the tongue onto which it is to be slipped. The slight elasticity of the strip will then permit it to be pushed on and spring into place after its other end has passed the longitudinal strip. The corners at the junctions of the strips may be neatly covered by caps or rosettes C, which are readily secured in place by single nails through the centers. The ceiling so covered possesses all the advantage of an ordinary metallic ceiling, and in addition is elegant in finish.

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

1. The combination of the plates A A, tongues B, and strips D, provided with flanges *d*, substantially as and for the purposes specified.

2. The combination of the plates A A, secured to rafters by nails *a*, tongues B, secured to rafters along the joints between the plates A by nails *b*, and strips D, provided with flanges *d*, substantially as and for the purposes specified.

3. The combination of plates A A, tongues B, strips D, provided with flanges *d*, and caps C, substantially as and for the purposes specified.

LONGLEY LEWIS SAGENDORPH.

Attest:
A. L. HERRLINGER,
G. A. W. PAVER.