

(No Model.)

L. J. CHEREST.
METALLIC CEILING.

No. 513,879.

Patented Jan. 30, 1894.

Fig. 1.

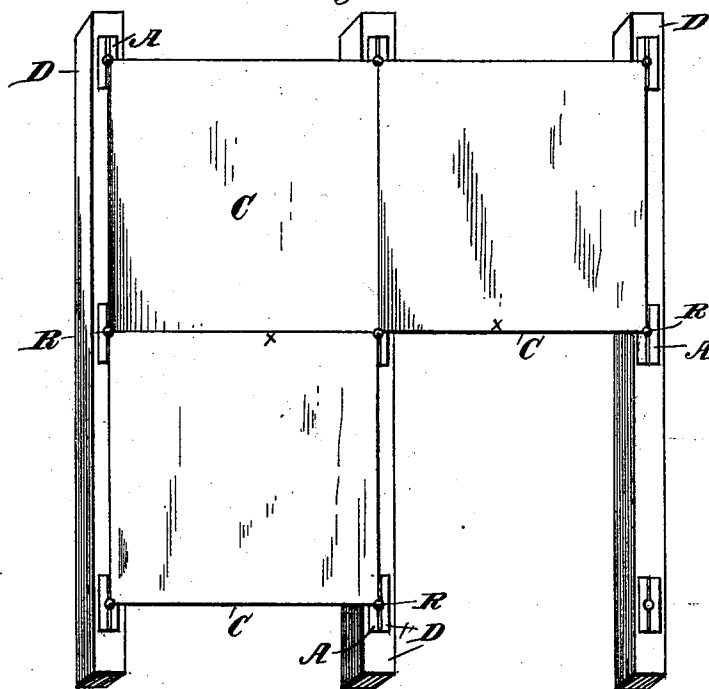


Fig. 2.

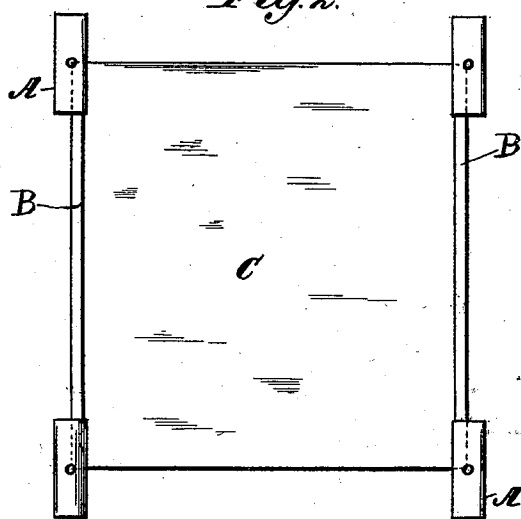


Fig. 3.

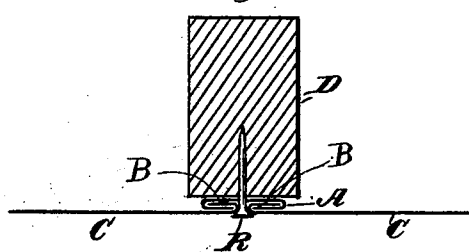
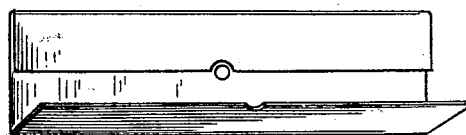


Fig. 4.



Witnesses,
Phil G. Smith,
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By
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Atty.

UNITED STATES PATENT OFFICE.

LÉON J. CHEREST, OF CHICAGO, ILLINOIS.

METALLIC CEILING.

SPECIFICATION forming part of Letters Patent No. 513,879, dated January 30, 1894.

Application filed September 28, 1893. Serial No. 486,733. (No model.)

To all whom it may concern:

Be it known that I, LÉON J. CHEREST, a citizen of the United States, residing at the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metallic Ceilings, of which the following is a specification.

My invention relates to a new and improved metallic ceiling, in which the ceiling is put on in panels and supported by a metallic supporting plate screwed to beams or strips, and the object of my invention is to form a cheap and durable ceiling of metal plates, which can be screwed to an ordinary beam or strip without grooving, simply by the use of nails, pins or screws, as hereinafter more fully described. These objects I accomplish by means of the mechanism hereinafter described in the specification and shown in the drawings, in which drawings—

Figure (1) shows three of the panels placed in position upon beams and held by means of the supporting plates; also shows the position of the supporting plates upon the beams, and one method of attaching the supporting plates in panels to the beams. Fig. (2) shows an inverted plan view of a panel with the supporting plates placed in position upon the panel. Fig. (3) shows a sectional view on line $x-x$ of Fig. (1). Fig. (4) shows one of the metallic supporting plates detached, with one side opened in order to show its construction.

Similar letters refer to similar parts throughout the several views.

A represents the metallic supporting plate, composed of a piece of metal bent so as to engage with the bent portions of the panels; the general form of which is shown in Figs. 3 and 4.

B shows the looped or bent edge of the panel which engages with the metallic supporting plate A.

C C shows the exposed face of the panels.

D shows the beams or strips to which the supporting plates are attached.

R shows a pin or screw which is used, in one form of my invention, in attaching the plate A and the panels to the beams.

In applying the panels to the beams the panels may be first attached to the supporting plate by sliding the bent portions into the looped portions of the plate as shown in Fig. 2, and then attached by means of a pin or screw R passing through an opening in the plate A at the meeting of the corners of the

panels C C C, &c., the construction and arrangement being such that the panels C entirely cover and conceal the bent supporting plates A, and since the edges of the panels are bent upward toward the beam D, these looped or bent edges are also concealed, thereby producing a smooth, symmetrical and desirable appearance. Instead of exposing the head of the screw R as shown in the drawings, it may be passed through an opening in the supporting plate A thereby allowing the corners of the panels to meet flush with each other and form a smooth ceiling without disclosing in any way the method of attaching the panels to the beams or strips, and instead of using a single pin or screw at the central portion of the supporting plate A, a small opening may be made in any part of the same, or other means may be used for attaching the supporting plates to the beams or strips, although I prefer the attachment by means of a single opening at the central portion as shown in Fig. 4.

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

1. In a metallic ceiling, the combination with the beam or strip D, of the panel C having its edges turned upwardly toward the beam or strip to form looped or bent portions, the supporting plate A bent to engage the looped or bent edges of the panels and lying wholly between the beam or strip and the panels so that the latter entirely cover and conceal said supporting plate, and means for attaching the supporting plate to the beam or strip, substantially as described.

2. In a metallic ceiling, the combination with the beam or strip D, of a panel C having its edges turned upwardly to form looped or bent portions, a supporting plate located at each corner of the panel, bent to engage the looped or bent edge thereof and lying wholly between the panel and the beam or strip so that the panel entirely covers and conceals the said supporting plates, and nails or screws R passing through the said supporting plates at the corners of the panels, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

LÉON J. CHEREST. [L. S.]

Witnesses:

EDWARD TAGGART,
CHRIS. HONDELINK.