

(No Model.)

L. L. SAGENDORPH.
METALLIC CEILING PLATE.

No. 505,852.

Patented Oct. 3, 1893.

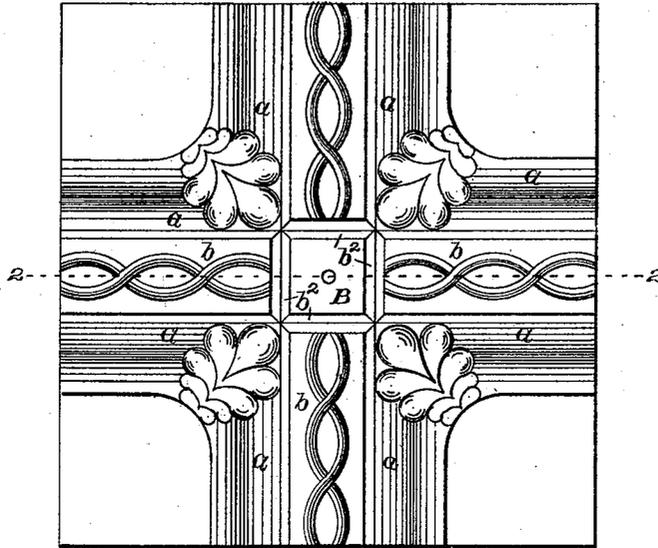


FIG 1

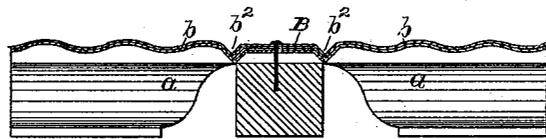


FIG 2

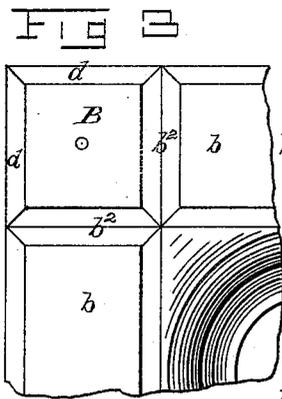


FIG 3

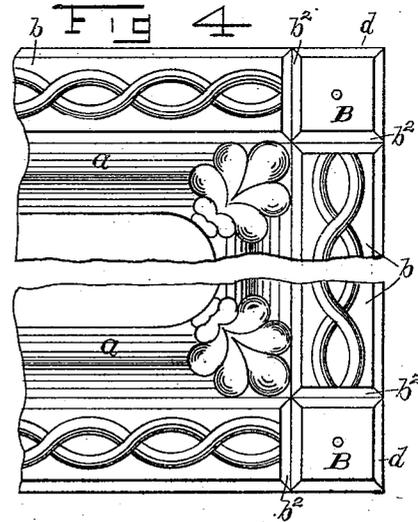
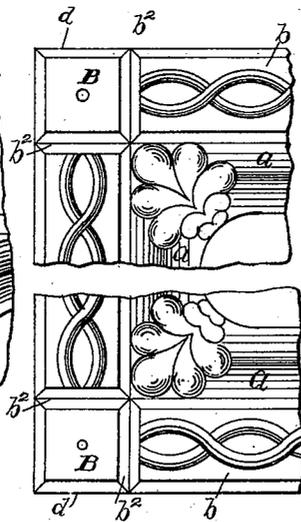


FIG 4

WITNESSES

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METALLIC CEILING-PLATE.

SPECIFICATION forming part of Letters Patent No. 505,852, dated October 3, 1893.

Application filed June 5, 1893. Serial No. 476,599. (No model.)

To all whom it may concern:

Be it known that I, LONGLEY LEWIS SAGENDORPH, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Metallic Ceiling-Plates, of which the following is a specification, reference being had to the accompanying drawings.

The object and nature of my invention will be apparent from the description hereinafter contained and as pointed out in the claims.

In the drawings accompanying this specification: Figure 1, is a plan view taken at the corners or intersection of four ceiling plates embodying my invention, and Fig. 2, is a section on dotted line 2, 2 of Fig. 1. Fig. 3, is an enlarged view of one corner of the plate. Fig. 4, is a plan view of one ceiling plate, partially broken away, and embodying my invention.

My invention is more especially designed for use in connection with metallic ceiling plates having a plain or embossed face with a marginal molding, *a*, which latter terminates in the side and end flanges, *b*, which latter, on one plate are adapted to overlap corresponding flanges on adjacent plates when the latter are placed to position on the ceiling, as shown in Figs. 1 and 2. The molding on each plate is preferably formed continuous around the sides and ends thereof, but may be otherwise suitably formed, as my present invention relates to the formation of the corners of the plate.

In stamping a ceiling plate to form a raised molding with marginal flanges, it has been customary, heretofore, to cut away the metal at the corners of the plates, to prevent buckling the metal at those points, and afterward to cover said cut-away portions with a suitable rosette; but, this feature of cutting away the metal at the corners, has been found to be objectionable, especially when it is desired to render the ceiling dust-proof.

My invention consists in forming across the face of each side and end flange, *b*, near the corners of the plate, a groove, *b*², which latter is preferably on a line with the outer edge of the molding, *a*, as more clearly shown in Fig. 3. By forming the grooves *b*² in each side and end flange, to a depth equal to the depth of said flanges, I am enabled to take up the

surplus metal at the corners of the plate and form a rectangular raised cap, B, at each corner,—the cap at one corner overlapping a corresponding cap on the corner of an adjacent plate, as shown. By this formation of the ceiling plate, the ceiling composed of said plates is rendered dust-proof, and no rosettes need be used, as the corner caps, B, (if desired) may be embossed in any desired configuration for ornamentation.

The formation of the integral corner caps, B, in the manner aforesaid, has a tendency to strengthen the plate and add to its rigidity over the method heretofore employed of cutting away the corner metal. The overlapping portion *d* of each cap, B, rest within the grooves *b*² at the sides of the underlying cap, in which position the edge of the metal is hid from view producing a symmetrical joint.

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

1. A metallic ceiling plate having raised side and end flanges, *b*, with grooves *b*² formed therein at their intersecting points, substantially as set forth.

2. A metallic ceiling plate having raised side and end flanges, *b*, and corner caps, B, the latter being separated from said flanges by grooves *b*², as set forth.

3. A metallic ceiling plate having a raised molding, *a*, terminating in side and end flanges, *b*, and corner caps, B, with grooves *b*² between said caps and flanges and on a line with the intersection of said molding and flanges, as set forth.

4. A metallic ceiling plate having a continuous raised molding *a* terminating in side and end flanges *b*, said plate having the raised corner caps, B, the latter being separated from said flanges by grooves *b*², substantially as set forth.

5. A metallic ceiling composed of separable plates, each plate having the raised interlocking flanges *b* and corner caps, B, integral with said plates, the flanges and caps of one plate overlapping the flanges and caps of the adjacent plate, said plates being secured to place by means of suitable nails passed through said overlapping caps, as set forth.

LONGLEY LEWIS SAGENDORPH.

Witnesses:

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SAMUEL D. HAGNER.