

(No Model.)

A. NORTHROP.  
METALLIC CEILING.

No. 301,260.

Patented July 1, 1884.

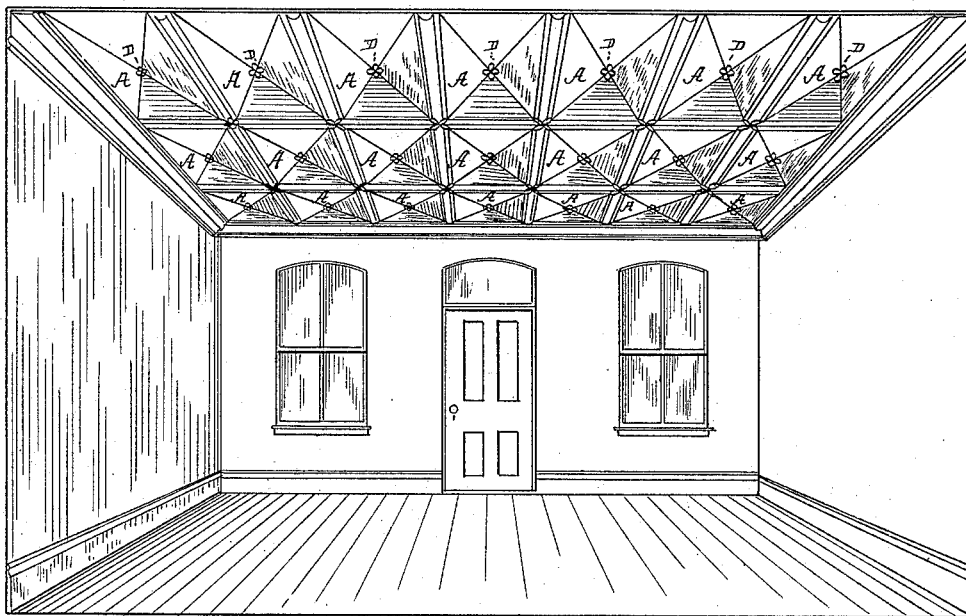


Fig 1

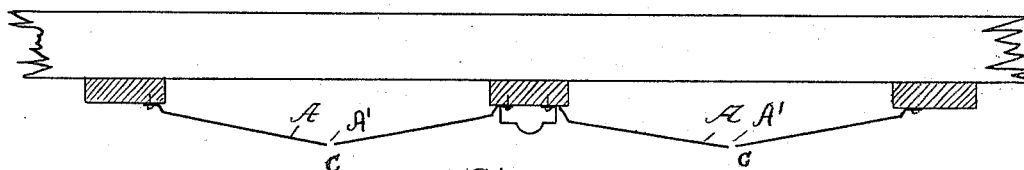


Fig 3

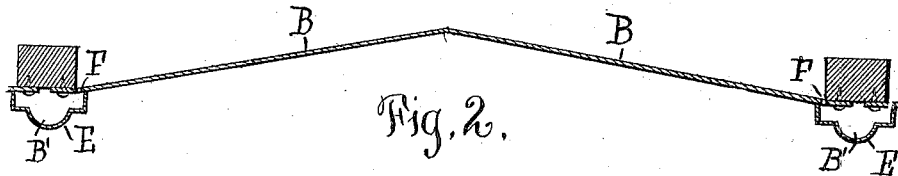


Fig. 2.

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# UNITED STATES PATENT OFFICE.

ALBERT NORTHROP, OF PITTSBURG, PENNSYLVANIA.

## METALLIC CEILING.

SPECIFICATION forming part of Letters Patent No. 301,260, dated July 1, 1884.

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

*To all whom it may concern:*

Be it known that I, ALBERT NORTHROP, of Pittsburg, in the county of Allegheny, 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 the construction of ceilings of sheet metal, particularly that class of sheet-metal ceilings known as "raised panel" and "sunk panel;" and it consists in providing a means for preventing the accumulation of water on the upper surface in case of leakage from the roof or floor above said ceiling, as will hereinafter more fully and at large appear.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of this specification, Figure 1 is a perspective view of my improvement in sheet-metal ceilings. Fig. 2 is a sectional view of the sunken panel secured at each side to the ceiling-strips, each of the strips being provided with a gutter-molding adapted to receive the water that may pass down the inclined sides of the panel. Fig. 3 is a similar view of the parts in connection with a raised panel.

In the drawings, A represents a raised panel, and B represents a sunk panel. At the point C of the panel A is an opening, A', which is covered with an ornament, D. (Shown in Fig. 1.) This arrangement of opening A' and ornament D will permit the escape of any water that may accumulate on the concave side of said panel A. The form of the sunk panel B will cause the water falling on the upper side of the ceiling to flow off into recesses B', made in the molding E, which surrounds the panel, which molding is provided with opening or openings E' for the escape of water that may fall upon the upper side of the ceiling, which opening or openings is or are covered with an ornament or ornaments, as hereinbefore described.

F F are openings in the edges of the sunken panel B. Water falling on the top of panel B will run into the openings F F, and then proceed at right angles through the trough-molding E to the point where the next molding-joins, said point being provided with a rosette fixed immediately under it for the reception of water-drippings. This simple arrangement with relation to the panels of the ceiling prevents the same from becoming injured by the accumulation on the upper side, it being apparent that if the water from the leakage of the roof or floor above the ceiling is not speedily carried off and allowed to escape the ceiling would soon become injured from oxidation of the metal of which it is constructed.

Having thus described my improvement, what I claim is—

1. A ceiling constructed of sheet metal, having an opening or openings for the escape of water falling on the upper side of the ceiling, said opening or openings being covered with ornaments, substantially as herein described, and for the purpose set forth.

2. A ceiling consisting of panels sunk in their centers and inclined both ways to the sides, said sides being provided with openings to permit the outflow of water, in combination with a molding having a recess, said molding being placed under the panel-openings, whereby water is conveyed from the upper side of the panel to the molding, and thence through the recess in said molding, substantially as specified.

3. A ceiling consisting of panels sunk in their centers and inclined both ways to the sides, said sides being provided with openings to permit the outflow of water, in combination with a molding having a recess, said molding being placed under the panel-openings and a rosette at the molding-joints, substantially as described and set forth.

A. NORTHROP.

Witnesses:

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