

(No Model.)

F. E. CHEESMAN.

DECORATING CEILINGS AND WALLS.

No. 289,811.

Patented Dec. 11, 1883.

Fig. 1.

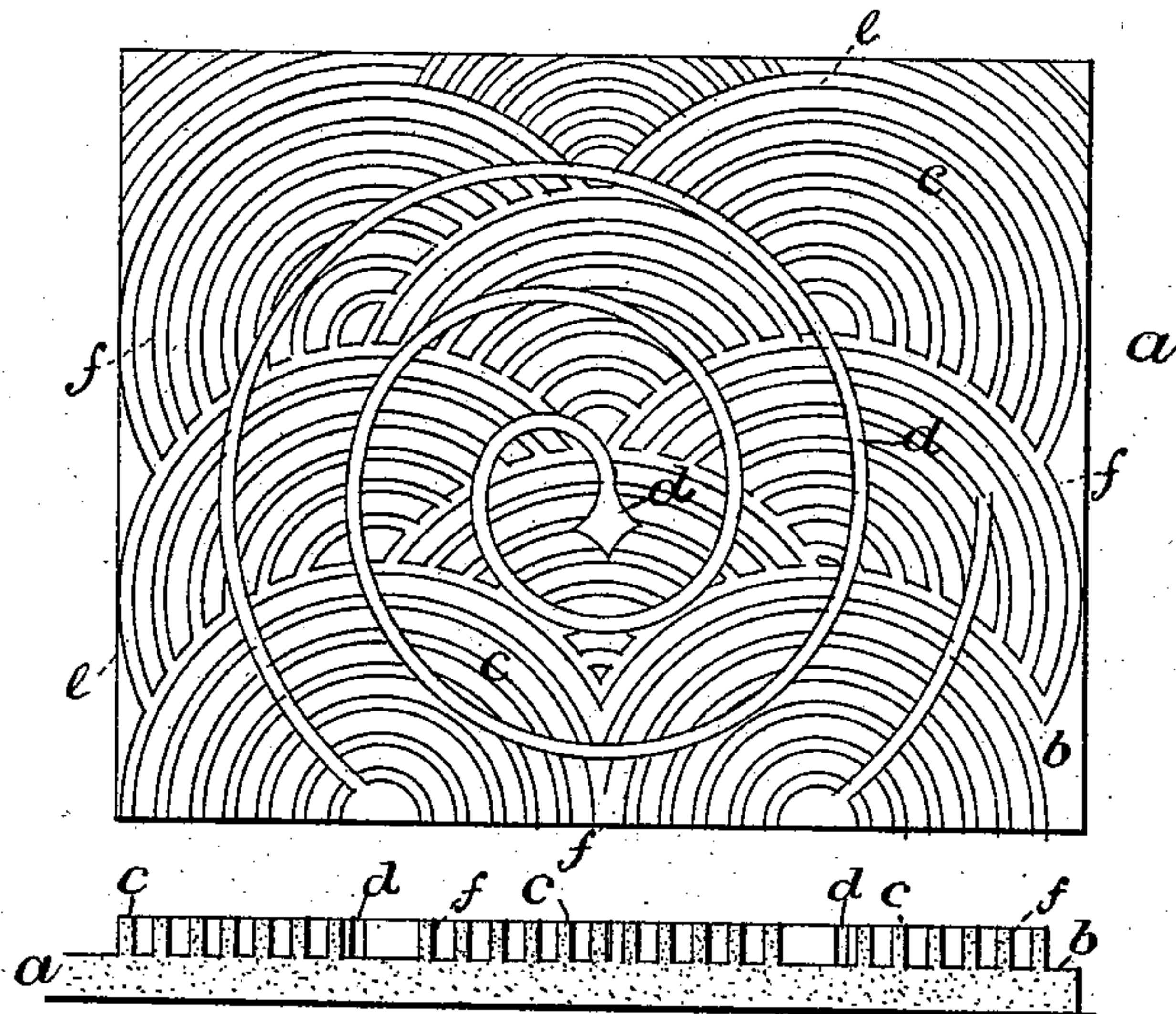


Fig. 2.

ATTEST:

J. A. Mudd.  
Wm. F. Buechler.

INVENTOR:

Frederick E. Cheesman  
Per Charles Spiro  
Attorney



# UNITED STATES PATENT OFFICE.

FREDERICK E. CHEESMAN, OF FLUSHING, NEW YORK.

## DECORATING CEILINGS AND WALLS.

SPECIFICATION forming part of Letters Patent No. 289,811, dated December 11, 1883.

Application filed August 18, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK E. CHEESMAN, a citizen of the United States, and a resident of Flushing, in the county of Queens and State of New York, have invented certain new and useful Improvements in Decorating Ceilings and Walls, of which the following is a specification.

The objects of my invention are, first, to so fresco or ornament the ceilings of houses and edifices by the process and devices hereinafter described that such a ceiling shall present different designs and a blending of colors from different points of view; and, second, to strengthen the ceiling and prevent its cracking or breaking. I attain these objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a face view of the ceiling, and Fig. 2 a sectional view of the same.

Similar letters refer to similar parts in both views.

To construct such a ceiling, I cover the entire surface of the ceiling *a*, inside of the molding, with line projections *c*, of plaster, so that they form part of the ceiling proper and constitute extensions of the surface-plaster *b*. The extent of the projections *c* and the spaces between them is determinable by the height and size of the room, the usual extent and space, however, being about one-eighth of an inch. The width of these line projections *c* should be as fine and close as their required strength will allow, reserving a sufficient face, however, to receive gilding or color, and reflect the same with proper effect. I prefer to make the width of these line projections *c* about one-tenth of an inch; but they can be widened or narrowed to suit the fancy and needs of the maker.

Thus far I have merely given the dimensions of the projections *c*, it being essential to the proper execution of my invention that these dimensions should be fully appreciated to effect the desired blending of color and the different reflections from different points of view. These projections *c* are arranged to form the design required, such as a system of concentric arcs impinging on another system of arcs concentrating to a different point, or radial stems or Corinthian horns or volutes, or any other design which will allow of a sys-

tem of lines or curves, or both, presenting a side face to any point of vision. These projections *c* may be arranged into the required design by a metal or other form of the design in relief of sufficient size to cover one system, and manipulated by impressing the soft plaster therewith as a hand-tool, or by the process patented by J. H. Harding May 22, 1883, No. 278,238, which process, however, I lay no claim to whatever, such use of said process being subject to said patent and merely to facilitate the production of a part of my invention by means of a stencil, instead of by hand; but by discarding the use of said process my invention is not affected in the least, inasmuch as the projections are then formed by hand in the usual manner, and precisely as are plaster moldings, by running the plaster along the surface of the ceiling or wall, shaping it in the act, or shaping it in a mold and while soft attaching it to the ceiling or wall. Having impressed or arranged these projections *c* upon the ceiling *a* into the required design, I next cut through these projections, regardless of their order and form, a design of volutes, twining branches, or other figure, *d*, of a size much larger than the system of projections *c*, and covering in its system the entire ceiling *a*, so that the design is formed by this mutilation and projected on the surface of the ceiling *a*. This projected design *d* may be executed simultaneously with the impression of the body-design, if so arranged on the impressing-tool, and is the method most preferable. Then I color the surface of the ceiling *b* between the projections *c*, excepting the projected design *d*, with the required tint; then gild or color the faces *e* of the projections *c* with a different tint; then color the projected design *d* on the surface of the ceiling *b* with a still different tint; then color each series of side faces, *f*, of the projections *c* with a different tint, so that a different coloring will be disclosed to each point of view. The effect produced is a harmonious blending of color and of body and projected design, changing as the point of observation is changed, that is unique and beautiful.

While the effect of my invention is most marked on a large surface like that of a ceiling, still I do not limit my claims to that use alone. It may be employed instead of mold-



ing on ceilings, or to cover the space between outside and inside moldings, and may be used to decorate walls and hallways.

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

1. The combination, in a ceiling or wall, of the projections or extensions *c*, arranged to form any desired pattern or design, constituting systems of side faces, *f*, and adapted to receive different-colored tints and reflect the same to different points of view, substantially as set forth, and for the purposes specified.

2. The combination, in a ceiling or wall, of the extensions *c*, arranged in any design, presenting a series of side faces, *f*, to different points of view, with the systematic formation of any enlarged pattern or figure, *d*, by projec-

tion on the surface *b* of the ceiling or wall cut through the extensions *c*, substantially as described and specified.

3. The combination, in a ceiling or wall, of the extensions *c* and projected figure *d*, with the diversified tinting of the sides *f* and top faces, and spaced and projected surfaces *b*, adapted to reflect different blendings of color, with body and projected designs, to different points of view, substantially as described, and for the purposes specified.

Signed at New York city, in the county of New York and State of New York, this 2d day of August, A. D. 1883.

FREDERICK E. CHEESMAN.

Witnesses:

WM. F. BUECHLER,  
C. SPIRO.