

(No Model.)

H. T. PAISTE.
CEILING CUT-OUT.

No. 578,655.

Patented Mar. 9, 1897.

FIG. 1.

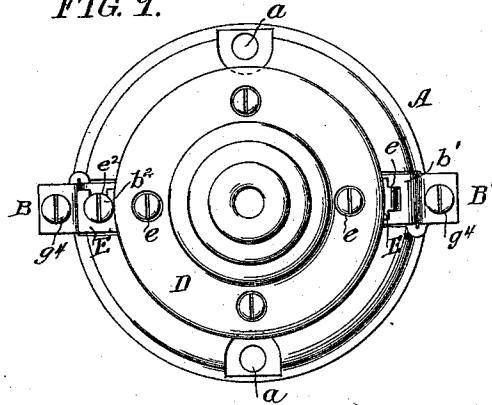


FIG. 2.

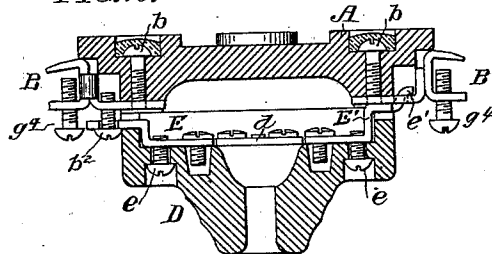


FIG. 3.

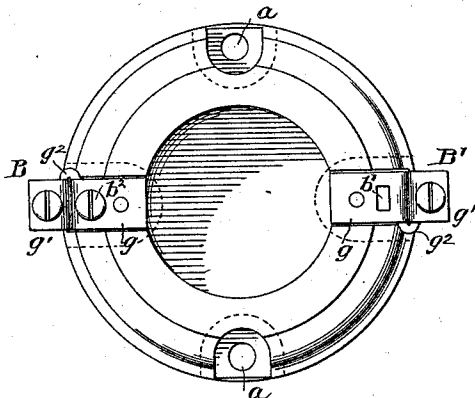


FIG. 4.

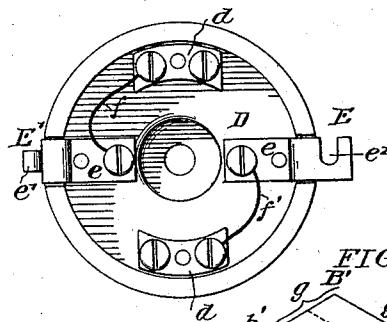


FIG. 7.

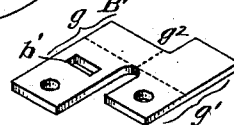


FIG. 9.

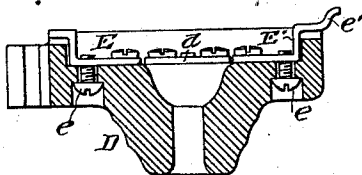


FIG. 5.

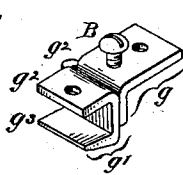


FIG. 6.

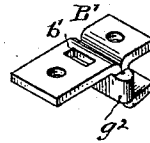
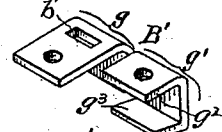


FIG. 8.



Witnesses:
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UNITED STATES PATENT OFFICE.

HARRY T. PAISTE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE
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CEILING CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 578,655, dated March 9, 1897.

Application filed May 8, 1895. Serial No. 548,507. (No model.)

To all whom it may concern:

Be it known that I, HARRY T. PAISTE, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Ceiling Cut-Outs, of which the following is a specification.

The object of my invention is to construct a simple device for attaching the cap to the body or ceiling cut-out for suspending electric lamps. This object I attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is an inverted plan view of my improved ceiling cut-out. Fig. 2 is a transverse sectional view. Fig. 3 is an inverted plan view of the body portion. Fig. 4 is a plan view of the cap. Figs. 5 and 6 are detached perspective views of the binding-posts. Figs. 7 and 8 are perspective views illustrating the method of making the binding-posts, and Fig. 9 is a view of a modification.

A is the body of the cut-out, preferably made of porcelain or other non-conducting material, and has holes *aa*, through which the screws or other fastening devices are passed.

Secured to each side of the body are binding-posts B B', each made in the present instance of a single piece of sheet metal bent as shown in Figs. 5 and 6. The binding-posts are secured to the body by screws which pass through the body from the opposite side, so that the upper surfaces of the binding-posts are flush at the point where the cap fits upon the body.

D is the cap, made of porcelain or other suitable non-conducting material, and secured to the cap are the terminal plates *d d* for the wires which extend to the lamp.

E E' are terminal plates situated at right angles to the plates *d d*. In the present instance the terminals E E' are secured to the cap by screws *ee* and are connected to the terminal plates *d d* by fusible wires *ff'*.

On the terminal E is a lug *e'*, bent as shown in Fig. 2 and adapted to pass through an opening *b'* in the binding-post B', which is made of sufficient size to allow the connection thus formed to act as a hinge, so that when the cap is secured to the body the tongue *e'* will extend under the binding-post, and thus hold that portion of the cap in place.

The opposite terminal E' has a slot *e''* in one side, as indicated in Fig. 4, so that when

the cap is forced up against the body-piece it may be turned laterally, and the slot will allow the terminal E to pass under the head of the screw *b''*, tapped into the terminal B. When the cap is mounted in position, the screw can be turned so as to attach the cap rigidly to the body and make an electrical contact between the terminals E E' and the binding-posts B B', respectively.

In some instances the cap itself may have a slotted extension, as shown in Fig. 9, to engage a long screw or headed projection on the base A or binding-post.

The binding-posts are made in the present instance each of a single sheet of metal, cut as shown in Fig. 7 and bent as shown in Figs. 8, 5, and 6, so as to form the fastening-section *g* and the clamp-section *g'*, which has two extensions *g'' g'''*. The extension *g'''* in the present instance is inclined so as to form a V-shaped corner for the reception of the wire. Tapped into the extension *g''* is a binding-screw *g''*, by which the wire is attached to the binding-post.

The sections *g* and *g'* are attached together by the web *g''*, the metal being of sufficient strength to make the connection rigid without the use of screws or solder.

I claim as my invention—

1. The combination in a ceiling cut-out of the body portion having terminal plates thereon, one plate having a recess and the other a headed retainer, with a cap having terminals, one terminal having a tongue adapted to fit loosely in the recess in one of the plates of the body so as to form a loose hinge on which the cap can swing vertically, the other terminal being slotted so as to engage with the headed retainer, substantially as described.

2. A binding-post consisting of a single piece of sheet metal cut and bent so as to form a pair of jaws, an attaching-lug projecting in the opposite direction from said jaws, and a connecting-web bent so as to bring the jaws and attaching-lug back to back, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRY T. PAISTE.

Witnesses:

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WILL. A. BARR.