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P. F. LABRE

1,672,067

GROUNDING RECEPTACLE AND PLUG

Filed May 12, 1927

Fig. 1.

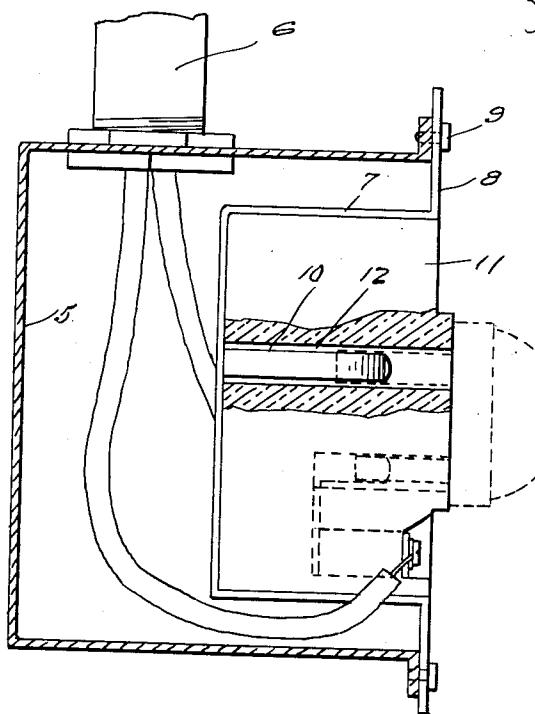


Fig. 2.

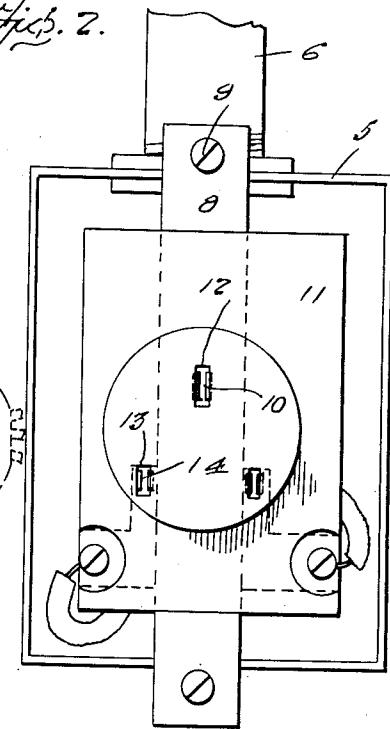


Fig. 3.

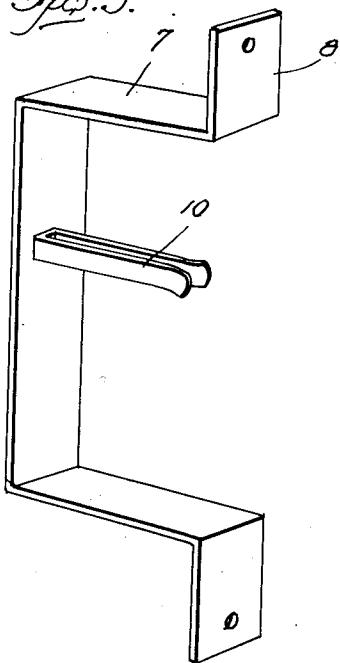
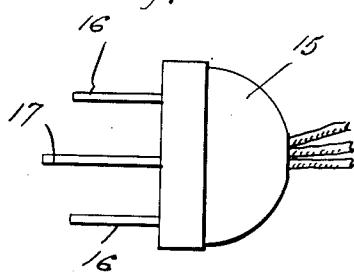


Fig. 4.



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GROUNDING RECEPTACLE AND PLUG.

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The present invention relates to a grounding receptacle and plug and has for its prime object to provide a structure in a wall box whereby an electric appliance may be grounded by using the plug which is provided for making the necessary contact in the operation of the appliance.

Another important object of the invention lies in the provision of a device of this nature which is simple in its construction, inexpensive to manufacture, thoroughly efficient and reliable in use, and otherwise well adapted for the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a transverse vertical section through a wall box showing my improved structure mounted therein,

Figure 2 is a front elevation thereof,

Figure 3 is a perspective view of the bracket strap,

Figure 4 is a side elevation of a plug used in connection with the device.

Referring to the drawing in detail it will be seen that the numeral 5 denotes an ordinary wallbox connected in the usual manner with a conduit 6. The numeral 7 denotes a U-shaped strap bracket having outwardly extending terminal extensions 8 which are bolted or otherwise fastened as at 9 to the flange of the box 5 so that the U-shaped strap bracket is disposed interiorly of the box. A spring clip 10 extends from the bight of the U-shaped bracket between the legs thereof. A receptacle 11 is mounted in the U-shaped strap bracket and has an opening 12 to receive the clip 10. This receptacle is provided with other openings 13 for receiving clips 14 of conventional construction for carrying the circuit current. With this device may be used a plug such as shown at 15 having prongs 16 insertable in openings 13 and a prong 17 insertable in the opening 12 to engage the clip 10. Prongs 16 and clips 14 will carry the circuit current in the usual well known manner while the

prong 17 and the clip 10 through the strap bracket 7 and box 5 will ground the appliance.

It is thought that the construction, utility, and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof. The present embodiment of the invention has been disclosed in detail merely by way of example since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description. It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. In combination, a wallbox, a bracket in the wallbox, a receptacle in the bracket having an opening, a clip from the bracket extending into the opening.

2. A device of the class described including, in combination, a wallbox, a bracket mounted in the wallbox and connected thereto, a clip on the bracket, a receptacle mounted in the bracket and having an opening to receive the clip, and circuit clips mounted in the receptacle.

3. A device of the class described comprising a bracket, means for mounting the bracket in a wallbox, a receptacle mounted in the bracket, said receptacle having an opening, a clip on the bracket extending into the opening.

4. A device of the class described including, in combination, a wallbox, a U-shaped strap bracket having terminal extensions fixed to the edge of the wallbox to dispose the bracket interiorly thereof, a receptacle in the U-shaped strap bracket having an opening, a clip projecting from the bight of the U-shaped strap bracket into the opening.

5. A device of the class described including, in combination, a wallbox, a U-shaped strap bracket having terminal extensions fixed to the edge of the wallbox to dispose the bracket interiorly thereof, a receptacle in the U-shaped strap bracket having an opening, a clip projecting from the bight of

the U-shaped strap bracket into the opening, other clips mounted in openings in the receptacle.

6. A device of the class described comprising a U-shaped strap bracket having terminal outwardly disposed extensions adapted to be secured to the edge of a wallbox, a

receptacle in the U-shaped strap bracket, said receptacle having an opening, a spring clip extending from the bight of the bracket through the opening.

In testimony whereof I affix my signature.

PHILIP F. LABRE.