July 10, 1945. T. C. DIVINE 2,380,155

OUTLET BOX HANGER

Filed Jan. 27, 1944

Fig. 1.

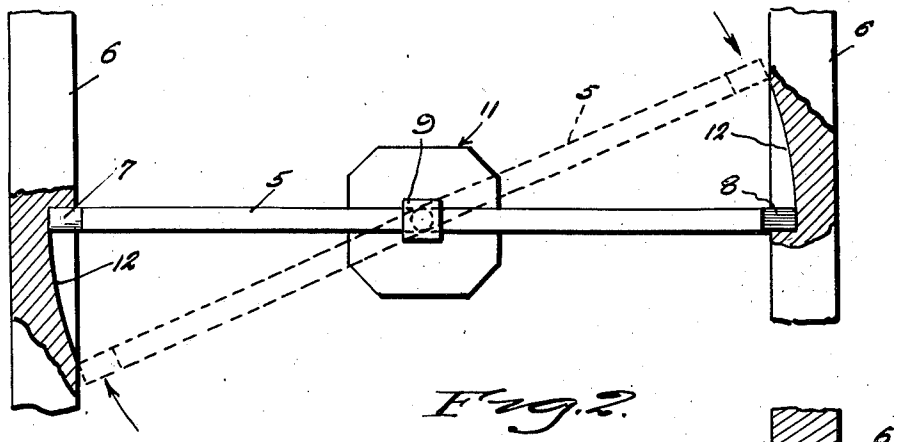


Fig. 2.

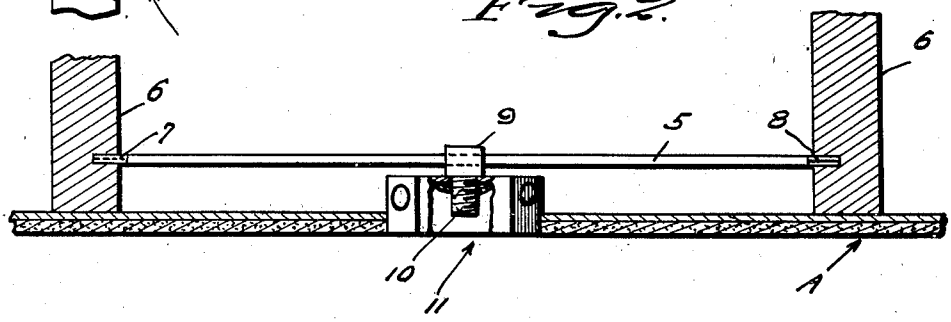


Fig. 3.

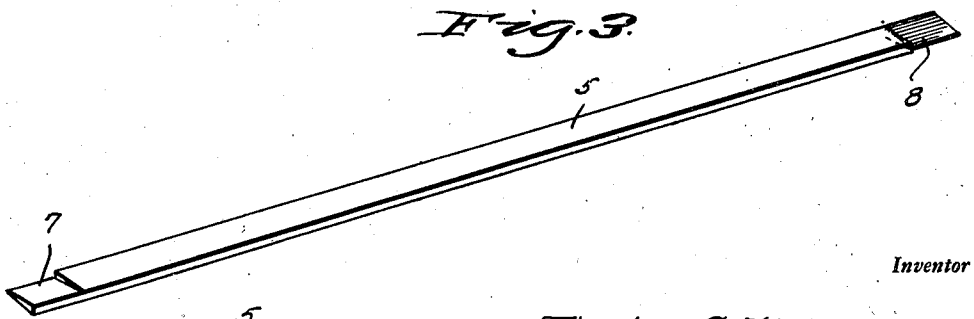
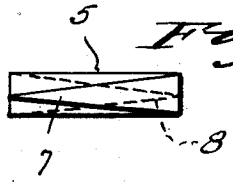


Fig. 4.



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OUTLET BOX HANGER

Theodore C. Divine, Bellevue, Idaho

Application January 27, 1944, Serial No. 519,918

1 Claim. (Cl. 248—57)

This invention relates to an improved outlet box hanger and has reference in particular to a simple and expedient arrangement which is up-to-the-minute in design and efficiency and characterized by the utmost simplicity and adaptability.

More specifically, I have evolved and produced a simple and expedient arrangement and adaptation of parts coacting in providing a highly improved structure which can be readily and easily disposed in its useful position between parallel joists, or studs or equivalent conventional building structure parts.

In reducing to practice the preferred embodiment of the invention I have found it feasible and practicable to merely utilize a longitudinally elongated bar or rod having self-anchoring blades or knives at opposite ends, there being a hanger fixture slidably and adjustably positioned on the median portion of the rod and this having a threaded attaching stud for detachable and adjustable connection with the outlet box.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawing.

In the drawing, wherein like numerals are employed to designate like parts throughout the same—

Figure 1 is a top plan view of the invention showing spaced parallel joists, broken away and shown in section to disclose the method of application and anchorage.

Figure 2 is a view similar to Figure 1 but showing the joists in cross-section and also showing the ceiling to bring out the complete operative relationship of parts.

Figure 3 is a perspective view of the hanger strip or bar.

Figure 4 is an end view thereof, this being on an enlarged or exaggerated scale.

Referring now to the drawing by distinguishing reference numerals it will be seen that the hanger is in the form of an elongated strip or bar of metal or equivalent material, the same being denoted by the numeral 5. It is of suitable length to occupy a horizontal hanger position between the conventional joists, studs or equivalent structural parts. In accordance with the invention the opposite or outer ends of said bar are sharpened in opposite directions as indicated to provide cutting and embedding and anchoring knives or blades 7 and 8, respectively. The slidable collar or fixture 9 which is mounted on the median portion of the rod is provided with a screw-threaded stud 10 and this projects down through the top of the outlet box 11, the box being secured thereto by a nut or the like.

In practice, the bar is placed diagonally between the beams or joists as shown in dotted lines in Figure 1 and is then rotated in arcuate paths, as indicated by the arrows. Consequently, the knives cut into the wooden joists as indicated at 12, whereby to thus become securely embedded in said joists. In the finished view as shown in Figure 2, the ceiling is simply denoted by the reference character A.

The device is exceedingly simple and the entire box and its mounting collar 9 can be shifted longitudinally in respect to the rod. Moreover, the threaded stud connection makes it possible to adjustably attach the box to assist in leveling the same with the desired plane of the wall or ceiling. However, it is not desired to go into great detail because the features and advantages will be quite clear to electricians as well as plasterers.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawing. Therefore, a more lengthy description is regarded as unnecessary.

Minor changes in the shape, size and arrangement of details coming within the field of invention claimed may be resorted to in actual practice, if desired.

Having described the invention, what is claimed as new is:

A hanger for an outlet box comprising a collar adapted to be rotatably mounted through the head of an outlet box, a bar for passing through said collar, said bar being of a length adapting it to project from opposite sides of the outlet box and having end portions gradually reduced in thickness transversely thereof from upper and lower faces to form longitudinally extending blades, each having a cutting edge along one side, the cutting edges of said blades being at opposite side edges of the bar, whereby the bar may be swung transversely between floor beams and its blades cut their way into side faces of the beams to mount the bar between the beam.

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