May 8, 1928.

1,668,772

P. KESTELL

LIGHTING FIXTURE

Filed Oct. 14. 1924

FIG.1.

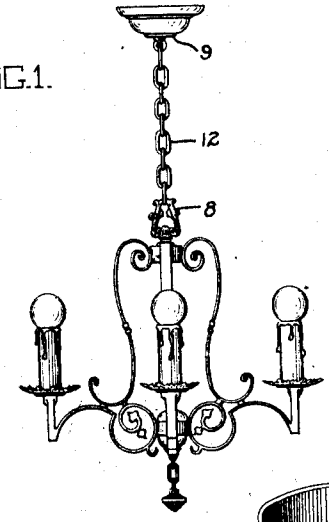


FIG.2.

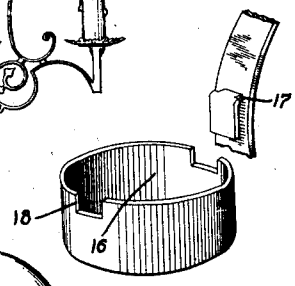


FIG.3.

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Patented May 8, 1928. 1,668,772

UNITED STATES PATENT OFFICE.

PHILIP KESTELL, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO THOMAS DAY COMPANY, OF LOS ANGELES, CALIFORNIA, A CORPORATION OF CALIFORNIA.

LIGHTING FIXTURE.

Application filed October 14, 1924. Serial No. 743,534.

The invention relates to lighting fixtures and particularly to hanging lighting fixtures generally known as chandeliers.

An object of the invention is to provide a chandelier fixture which may be quickly assembled, thereby reducing the cost of manufacture of the fixture.

Another object of the invention is to provide a knock down lighting fixture which may be readily assembled or disassembled.

A further object of the invention is to provide a lighting fixture which is assembled without the employment of permanent fastening means.

A further object of the invention is to provide a lighting fixture of relatively low cost which has the appearance of an expensive lighting fixture.

The invention possesses other advantageous features, some of which with the foregoing will be set forth at length in the following description, where I shall outline in full that form of the invention which I have selected for illustration in the drawing accompanying and forming part of the present specification. In said drawing I have shown one form of lighting fixture embodying my invention, but it is to be understood that I do not limit myself to such form, since the invention, as set forth in the claim, may be embodied in a plurality of forms.

Referring to said drawings:

Figure 1 is an elevation of a complete lighting fixture, constructed in accordance with my invention.

Figure 2 is an elevation, partly in section, of a portion of a lighting fixture embodying my invention.

Figure 3 is a perspective view of a detail of the fixture, showing the means employed for interlocking the parts.

In accordance with my invention, I have provided an electric lighting fixture in which the parts may be readily assembled and locked or clamped in assembled position, without the use of permanent fastening means, thereby greatly reducing the time required to assemble the fixture and consequently reducing the cost of the fixture. In Figure 1 of the drawing I have shown the invention embodied in a four-lamp fixture and in Figures 2 and 3 I have shown the embodiment of the invention in a two lamp fixture, but it is to be understood that as many lamps as desired may be embodied in the fixture. In the present instance, one lamp is mounted on each fixture arm and as many arms may be employed as desired, and when desired a plurality of lamps may be mounted on each arm. The arm may be of any suitable design or configuration, depending upon the effect desired to be produced in the completed fixture and it is to be understood that I do not limit myself to the particular shape of arm shown in the drawings or to any particular shape of arm.

The lighting fixture of my invention comprises a central support or rod 2 which is preferably hollow to permit the passage of the electric wires 3 therethrough. Attached to the lower end of the rod 2 and preferably by being screwed thereon, is a bottom support, preferably in the form of a cup 4 having an upstanding rim 5. Disposed adjacent and surrounding the upper portion of the rod 2 is a top support, preferably comprising an inverted cup 6 having a depending rim 7. The cup 6 may be urged toward the cup 4 in any desirable manner and in the present embodiment I have shown a hanger nut 8 screwed to the upper end of the rod 2 and urging the cup 6 downward toward the cup 4. The hanger nut 8 may be connected to the ceiling fixture 9 by a chain 12 or other suitable form of suspending means.

The lighting fixture arms, and there may be as many arms as desired, are held in position between the top and bottom supports, by virtue of the pressure of the nut 8. The arms are preferably formed of cast metal, since this form of arm is cheaper than the wrought metal arm and each arm is preferably provided with two projections, respectively engaging the top and bottom supports or cups 6 and 4. Each arm 13 is provided adjacent its upper end with a projection or hook 14 which engages the top support 6 and adjacent its lower end with a projection or hook 15 which engages the bottom support 4. The cups 6 and 4 are preferably provided with indented rims and the hooks 14 and 15 are formed to fit into the respective indentations 16. Each hook is preferably provided at its base with indentations 17 into which the side walls of the indentations 16 extend when the hooks are engaged with the cup. The space between the prong of the hook and the arm is only slightly greater

than the width of the rim of the cup, so that the hook forms a rather snug, tight fit with the cup. The extension of the side walls 18 of the indentation 16 into the indentation 17 in the hook, and the close fit between the prong of the hook and the rim of the cup, prevent any lateral movement or twisting movement of the arm with respect to the cup, so that when the arms and the cups are assembled, the assembled structure is as rigid as if the arms were riveted or otherwise permanently secured to the cups.

The rod 2 is preferably provided adjacent its lower end with lateral apertures, opening into the lower cup 4, and the electric service wires extend through these apertures and are carried out along the arm 13 to the receptacle 21 for the electric lamp 22. The cup 4 may be concealed by a bell 23 held in place by the ornamental nut 24 and the hooks 15 engaging the cup 4 may be concealed by a canopy 25 fitted onto the rod 2.

In assembling the fixture, the hooks 15 are engaged with the rim of the cup 4, the upper ends of the arms are brought into close relation and the cup 6 slipped down over the hooks 14, with these hooks seated in the indentations in the rim of the cup, and then the hanger nut 8 is screwed down on the rod until the cup 6 establishes a tight engagement with the hooks 14, thus securely clamping the arms between the bottom cup 4 and the top cup 6. When it is desired to disassemble the fixture, the hanger nut 18 is loosened, the cup 6 is raised and the arms may be readily removed. The fixture may be thus quickly and cheaply assembled and when assembled have the appearance of an expensive fixture.

I claim:

A lighting fixture comprising a central hollow rod, an upright cup secured to the lower end of said rod and having spaced indentations along its upper rim, a plurality of lighting fixture arms each having upper and lower divergent branches, hooks on the inner ends of said lower branches engaging said indentations, a bell surrounding said rod and adapted to cover the upper side of said cup, a canopy mounted on the lower end of said rod and adapted to cover the lower side of said cup, and means at the upper end of said rod for engaging the upper ends of said arms.

In testimony whereof, I have hereunto set my hand.

PHILIP KESTELL.