Sept. 20, 1932. L. W. ANDERSEN 1,878,093

JAR OR VASE ANCHOR FOR ELECTRIC LAMPS

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Fig. 2

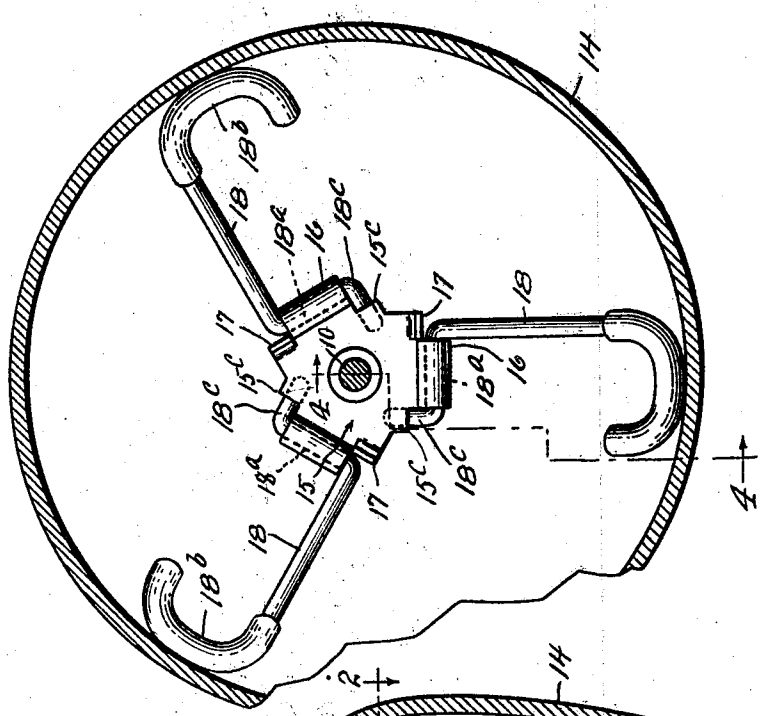
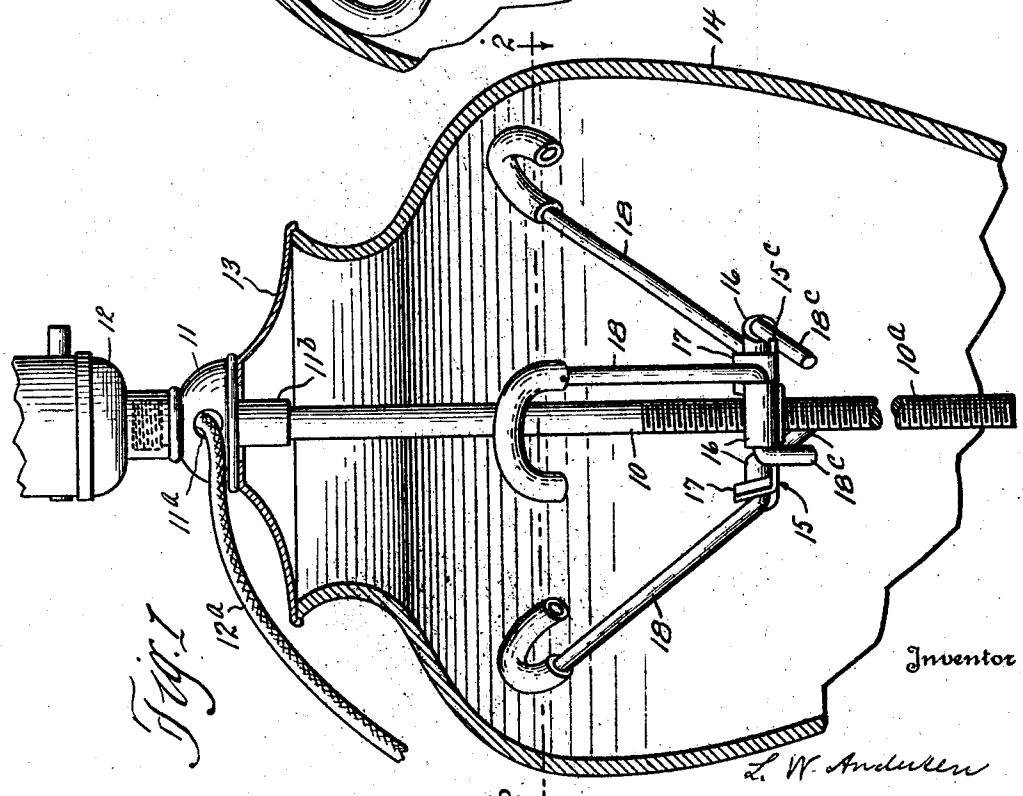


Fig. 1



Inventor

L. W. Andersen

By Hull Brock & West

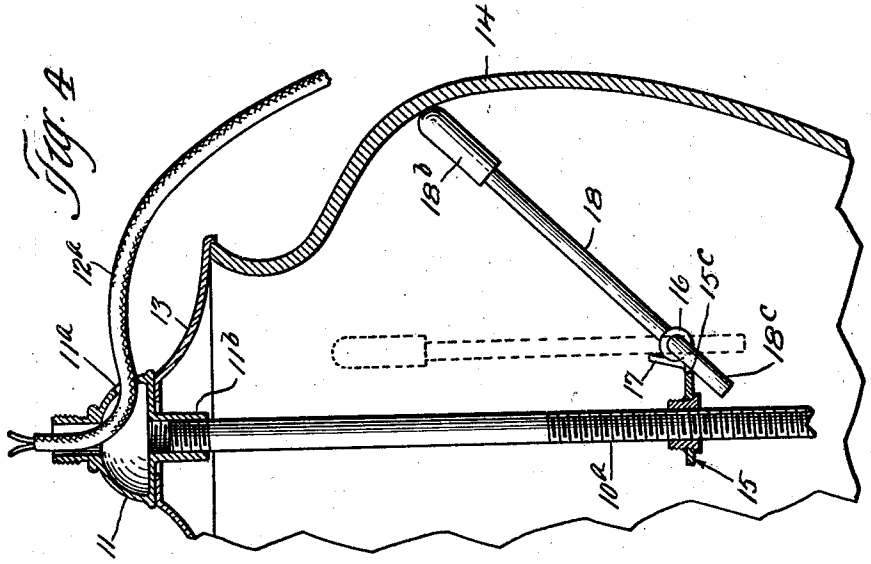
Attorney

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Filed May 11, 1928 2 Sheets-Sheet 2

Fig. 4



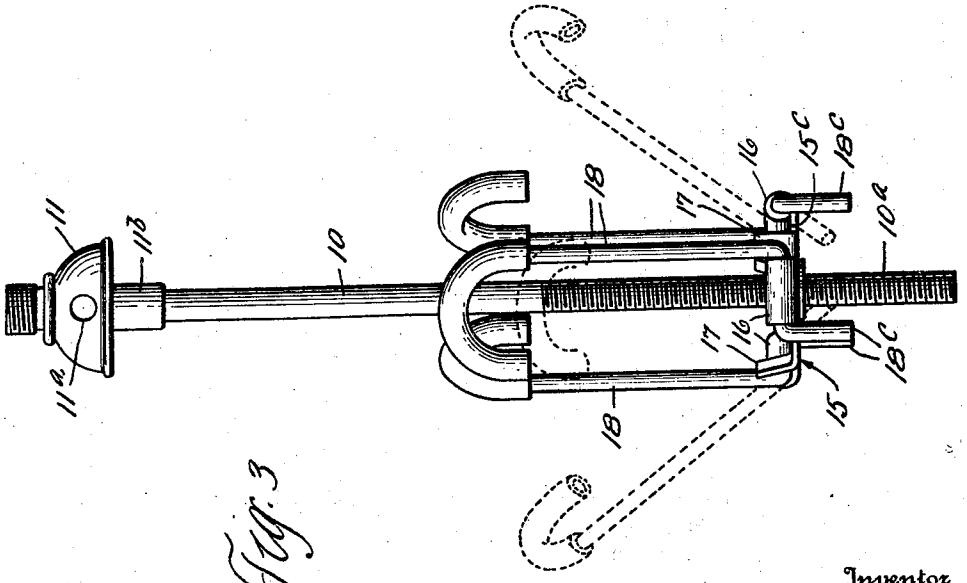


Fig. 3

Inventor
L. W. Andersen

By Hull Brock & West
Attorney

Patented Sept. 20, 1932 1,878,093

UNITED STATES PATENT OFFICE

LAURITZ W. ANDERSEN, OF WATERBURY, CONNECTICUT

JAR OR VASE ANCHOR FOR ELECTRIC LAMPS

Application filed May 11, 1928. Serial No. 276,930.

This invention is a novel construction of anchor device employed for securing an electric lamp to a jar, vase or other hollow article.

The object of the invention is to provide a cheap and simple form of device by means of which an electric lamp can be connected to a jar or vase without necessitating the boring of an aperture in said jar or vase for the passage of the conductor wires.

Another object of the invention is to provide a device which will be suitable for various sizes and shapes of vases or jars and which can be readily inserted in or removed from said vases or jars.

Another object is to provide a device of this character which when placed within the vase or jar will be firm or secure and will hold the lamp carrying stem against vibration in any direction.

With these various objects in view, the invention consists in the novel features of construction all of which will be fully described hereinafter and set forth in the appended claims.

In the drawings forming a part of this specification Fig. 1 is a view partly in section and illustrating the practical application of my invention; Fig. 2 is a sectional plan view taken on the line 2—2 of Fig. 1; Fig. 3 is a detail view of the device removed from the jar or vase; and Fig. 4 is a sectional elevation taken on the line 4—4 of Fig. 2.

In the practical embodiment of my invention I employ a rod 10 carrying a nipple shell 11 at its upper end and to which the socket 12 of an incandescent lamp is connected, the nipple shell 11 constituting a wiring box having an opening 11^a produced therein and through which the conductor wires 12^a leading to the lamp may pass. This shell 11 also has a depending bushing 11^b which is adapted to be passed through the central opening of a cover 13 resting upon the mouth of the jar or vase. It will be understood that the cover 13 will be sized and shaped to fit the mouth of the jar or vase and the depending portion of the shell 11 is merely inserted through the central opening. By this arrangement the anchoring device can be used in connection with various sizes and shapes of covers conforming to the shape and size of the jar or vase.

The rod or stem 10 has its lower portion threaded as shown at 10^a and threaded upon this portion of the rod is a member 15 which may be a plate provided with a threaded bushing or sleeve. This member 15 is provided with pivot ears 16, preferably three in number, and adjacent to the end of each pivot ear is an upwardly extending stop lug 17. Connected to the adjustable member 15 are the anchoring rods 18, preferably three in number, each rod comprising a horizontal portion 17^a which passes through the pivot ear, the curved upper end 18^b and the depending stop portions 18^c which are adapted to engage the underside of the member 15 and limit the outward movement of the upper end of the arm. The stop lugs 17 limit the inward folding movement of the anchor.

In practice I prefer to shape the member 15 with an abutment 15^c against which the depending portions 18^c can engage but this detail may be omitted, if desired. The curved ends 18^d of the anchor rods are preferably covered with rubber in order to prevent slipping.

14 indicates the jar or vase to which it is desired to connect the electric lamp and in which the anchoring device is located.

In operation, the depending threaded rod is passed through the central opening of the cover and the depending bushing 11^b of the wiring box 11 is fitted into said opening. The member 15 carrying the anchor rods is then threaded upon the threaded end of the depending rod or stem 10. The depending rod or stem with anchor rods is then inserted into the interior of the jar or vase,

and this can be accomplished either by holding the rods in upright position and passing them downwardly through the top of the jar or vase or the device can be inverted and likewise the jar and the jar lowered over the anchoring rods. The jar and device will then be inverted. After the anchoring device has been inserted in the jar the anchoring rods immediately fold outwardly, as indicated in full lines in Figs. 1 and 4 and dotted lines in Fig. 3. The wiring box is then rotated causing the rod or stem 10 to rotate and the member 15 to move upwardly, forcing the outer curved and cushioned ends of the anchor rods into binding engagement with the interior of the vase or jar.

The outward movements of the anchor rods will be limited by the depending portions of said rods engaging the rod carrying member and their inward folding movements will be limited by the stop lugs carried by the member. By employing three or more rods I obtain binding contacts at a plurality of spaced points with the result that the device as a whole will be securely anchored in the jar or vase and movement of the lamp in any direction will be effectively prevented.

In order to remove the device from the jar or vase it is only necessary to rotate the wiring box and the rod or stem 10 in the appropriate direction to carry the member 15 downwardly into the jar or vase and then by inverting said jar or vase the anchoring rods will fall by gravity to positions substantially parallel with the threaded stem and then the jar or vase can be lifted clear of the anchoring device.

By means of a device constructed as herein shown and described it is possible to quickly and easily connect an electric lamp to any type of jar or vase without boring the jar or vase to accommodate the conductor wires, it being necessary only to provide some suitable cover through which the depending stem can be inserted and arranging that cover upon the mouth of the jar or vase, as most clearly shown in Figs. 1 and 4.

Having thus described my invention, what I claim is:

1. An anchoring construction including a centrally threaded plate member, a plurality of pivot ears turned up from said member to form bearings, a stop lug turned up adjacent one end of each bearing, an abutment adjacent the other end of each bearing, an anchor rod extending through each bearing and being bent at substantially right angles adjacent each end of the bearing, one portion of said rod being adapted to cooperate with one of said abutments to limit motion and another portion being adapted to engage one of said stop lugs.

2. An anchoring construction including a centrally threaded plate member, a plurality of pivot ears turned up from said member to form bearings, a stop lug turned up adjacent one end of each bearing, an abutment adjacent the other end of each bearing, an anchor rod extending through each bearing and being bent at substantially right angles adjacent each end of the bearing, one portion of said rod being adapted to cooperate with one of said abutments to limit motion and another portion being adapted to engage one of said stop lugs, said abutments and said rods being so related that said abutments stop said rods short of a horizontal position.

3. In a lamp anchor, a receptacle having a restricted upper portion, a cover for said receptacle having a central opening, a hollow wiring box having an internally threaded bushing extending through said opening and having a cable receiving opening therein above said cover, a lamp socket mounted on the upper end of said wiring box, a stem threaded into said bushing and having a threaded lower portion, a threaded member received on said lower end and carrying a plurality of pivotally mounted anchor arms.

4. In a lamp anchor, a receptacle having a restricted upper portion, a cover for said receptacle having a central opening, a hollow wiring box having an internally threaded bushing extending through said opening and having a cable receiving opening therein above said cover, a lamp socket mounted on the upper end of said wiring box, a stem threaded into said bushing and having a threaded lower portion, a threaded member received on said lower end and carrying a plurality of pivotally mounted anchor arms, and stops on said member serving to maintain said arms in an upwardly inclined position, said threaded member including a single blank portion including pivot ears, stop lugs and abutments formed thereon, said stop lugs being disposed one adjacent one end of each pivot ear and said abutments being disposed adjacent the other ends thereof.

5. In a device of the character described, the combination, with a cover, of a wiring box mounted upon the top of said cover and outside thereof and provided at its upper end with an external thread for the reception of a lamp support and having its lower end provided with an internal thread and having intermediate such threaded upper and lower ends a lateral opening for the reception of the conductor wires leading to the lamp socket terminals, a stem or rod threaded into the lower portion of said wiring box and having a lower threaded portion, a member adjustably mounted upon such lower threaded portion, a plurality of anchor rods pivotally connected to said member, the said member having means for limiting the outward folding movement of said rods.

6. In a device of the kind described, the combination with a cover, of a wiring box

having an internally threaded bushing passing through said cover, said wiring box carrying a lamp socket at its upper end, a rod or stem threaded into the said bushing and having a lower threaded portion, a member adjustable upon said threaded portion, and a plurality of anchor rods pivotally connected to said member, said member having means for limiting the inward folding movements of said anchor rods, said anchor rods having means for limiting the outward folding movements of said rods.

In testimony whereof, I hereunto affix my signature.

LAURITZ W. ANDERSEN.