J. C. VOGEL.

ELECTROLIER HOLDER OR HANGER.

APPLICATION FILED JAN. 9, 1908.

926,445. Patented June 29, 1909.

Fig. 1.

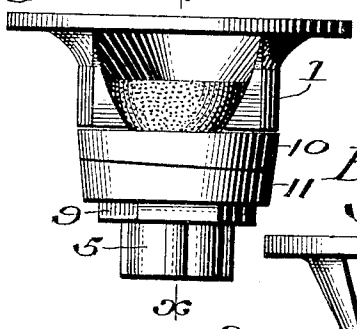



Fig. 2.

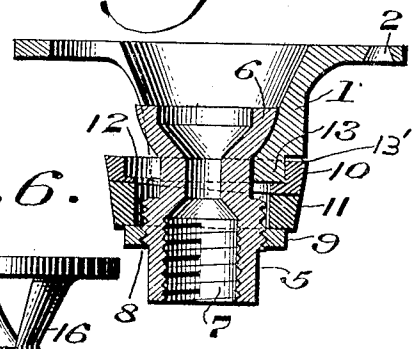



Fig. 6.

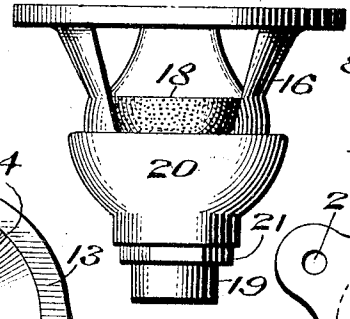



Fig. 3.

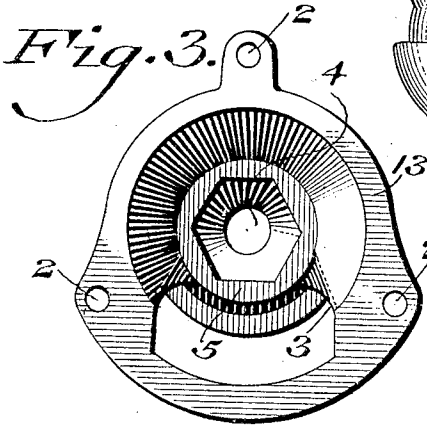



Fig. 4.

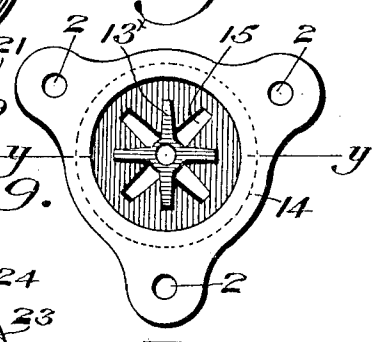



Fig. 9.

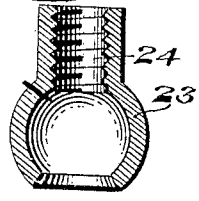



Fig. 7.

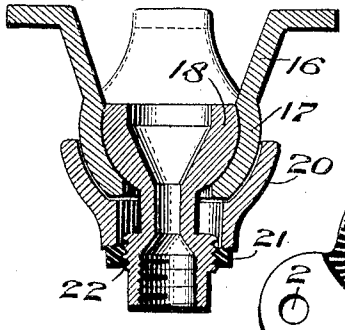
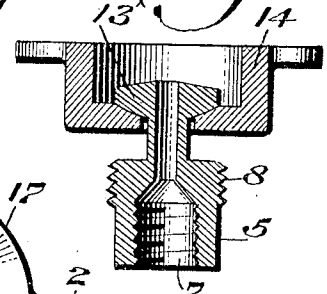



Fig. 5.



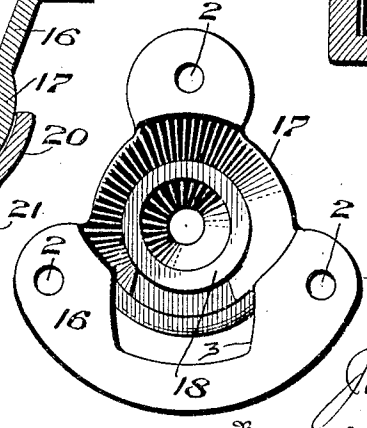




Fig. 8.

Witnesses

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# UNITED STATES PATENT OFFICE.

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## ELECTROLIER HOLDER OR HANGER.

No. 926,445. Specification of Letters Patent. Patented June 29, 1909.

Application filed January 9, 1908. Serial No. 409,949.

*To all whom it may concern:*

Be it known that I, JOHN C. VOGEL, a citizen of the United States, and residing in the city of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented a new and useful Electrolier Holder or Hanger, of which the following is a specification.

My invention relates to a new and useful hanger for electroliers or chandeliers and consists of means for adjusting the position of the fixture and locking the same in its adjusted position, whereby it will always hang properly.

It further consists of other novel features of construction all as will be hereinafter fully set forth.

Figure 1 represents a side elevation of a hanger embodying my invention. Fig. 2 represents a sectional view on line *x*—*x*, Fig. 1. Fig. 3 represents a top plan view showing means for securing the hanger to the ceiling or support. Fig. 4 represents a plan view but showing a different means for connecting the coupling member with the hanger proper. Fig. 5 represents a sectional view on line *y*—*y*, Fig. 4. Fig. 6 represents a side elevation of another form which may be employed. Fig. 7 represents a sectional view thereof. Fig. 8 represents a top plan view thereof. Fig. 9 represents a sectional view of a coupling member which may be used, if desired.

I have found in practice in an electrolier or chandelier hanger owing to the inequalities in the pipes and the unevenness in the ceilings, that it is extremely difficult to have the chandelier hang exactly vertical or straight and my invention is designed to overcome these defects, by providing an easy and quick method of adjustment of the parts whereby the chandelier or electrolier will hang properly and in the drawings I have shown constructions for carrying out my invention but it will be evident that changes may be made in the arrangement of the parts and other instrumentalities may be employed which will come within the scope of my invention and I do not therefore desire to be limited in every instance to the exact construction as herein shown and described but desire to make such changes as may be necessary.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings:—1 designates the supporting member or body of the hanger which is adapted to be secured on the ceiling or other suitable support in any desired manner. In the present instance I have shown the openings or holes 2 for the reception of screws for rigidly attaching the body portion in position. The body 1 is provided with the side opening 3 and the inner walls of said body are inclined toward the bottom, in which is a bore or opening 4.

5 designates a coupling member which is provided with a head 6 adapted to be seated within the body 1 and the outer wall of which is made to conform to the inclination of the body 1. If desired I may make the outer wall of said head 6 roughened or ribbed as well as the inner wall of said body, in order to provide a certain gripping action or friction between the walls. The coupling 5 has the threaded bore 7 and the threads 8 at a suitable point on its outer walls, with which a nut 9 engages. Between said nut 9 and the body 1 are seated the collars or cam members 10 and 11, the contacting faces of which are formed with cams or inclinations so that by turning the said collars the position of the coupling member will be adjusted with respect to the body 1, as will be evident, the upper collar 10 in the present instance being preferably provided with the cut away portion 12 which seats the extension 13 of the body in order to hold the collars in proper position, said extension forming a shoulder 13′.

The operation of the parts just described will be readily apparent. The coupling member 5 is first seated within the body 1 through the opening 3 and the collars 10 and 11 are then placed in position after which the nut 9 is placed upon the threads 8 on the coupling 5. The body portion 1 being secured in position on the ceiling the parts are ready for engagement with the electrolier hanger or chandelier. This is provided with the usual threaded pipe or connection which is caused to engage with the threads 7 of the coupling member 5. If the chandelier or electrolier does not hang straight by turning the collars 10 and 11 the contacting faces will cause the coupling member 5 to be moved according to requirements this movement thereof being permitted by the ball and socket joint formed between the head 6 of the coupling 5 in the body 1. After the chandelier or electrolier is in the proper position, by tightening the nut 9, the collars are

held firmly together, as well as locking the coupling member 5 in position with respect to body 1 and preventing further movement thereof, it being seen that in this manner one man can quickly and easily adjust the chandelier or electrolier without the assistance of another operator.

In the construction shown in Figs. 4 and 5 in lieu of the head 6 on the coupling 5, I have shown the same formed with the cross pieces $13^{\times}$, while the body 1 is provided with suitable cross openings 15 in its lower wall, through which the cross pieces $13^{\times}$ on the coupling member are inserted and by a proper turn, are caused to engage with the bottom wall of the body portion 14 as seen in Fig. 4, to prevent displacement of the parts, the operation of the other parts being the same as heretofore described.

In the constructions shown in Figs. 6, 7 and 8 I have formed the body portion 16 with the ball shaped body 17 which received the head 18 of the coupling 19, as heretofore. Surrounding the outer wall of the body 17 is the collar or cup shaped member 20 which is held in place by the nut 21 engaging with the threads 22 on the coupling member 19, it being only necessary in order to adjust the chandelier or electrolier to loosen the nut 21, adjust the collar 20 in its position around the body 17, until it causes the coupling member 19 to assume the proper position, to hold the chandelier straight, after which by screwing the nut 21 into the proper position, the parts are firmly locked and held in position. In some instances it may be necessary to connect the chandelier or electrolier with a pipe which projects through the ceiling, in which event I may employ a body or supporting member as shown in Fig. 9, which is provided with the threads 24 adapted to be connected with the said pipe, said supporting member 23 being of suitable form to receive and to engage with the coupling member 5 of the chandelier or electrolier, it being understood that the parts can be adjusted and operated as heretofore described. I have shown the supporting member 23 of suitable form to be used with the collar shown in Fig. 7, but said supporting member may be made to be used with the form of collars shown in Figs. 1 and 2, as well.

It will of course be evident that if desired, the body member may be first attached to the ceiling, after which the coupling member may be inserted in position therein with the fixture attached thereto.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A chandelier or electrolier hanger having a body, the inner wall of which is roughened, a coupling member having a portion thereof roughened to engage the roughened wall of said body, and cam members adapted to be adjusted to hold the coupling member rigidly in proper position.

2. A chandelier or electrolier hanger having a body, the inner wall of which is roughened, a coupling member having a portion thereof roughened to engage the roughened wall of said body, cam members for adjusting the position of said coupling member, and means for locking and rigidly holding the parts in position.

3. A fixture support comprising a wall plate having a cup shaped portion, and a plurality of openings, a fixture carrying stud adapted to pass through one of said openings, a threaded neck on said stud adapted to project through the other of said openings, a head on said stud adapted to fit within the cup shaped portion of the wall plate, and a nut threaded upon the neck of the stud.

4. A fixture support comprising a wall plate having a cup shaped portion and a plurality of openings, a fixture carrying stud adapted to pass through one of said openings, a threaded neck on said stud adapted to project through the other of said openings, a head on said stud adapted to fit within the cup shaped portion of the wall plate, a nut threaded upon the neck of the stud and a plurality of members having cam engaging faces between said wall plate and nut.

5. A fixture support comprising a wall plate having a cup shaped portion and a plurality of openings, one of said openings being formed in the side of said cup shaped portion, a fixture carrying stud adapted to pass through said side opening, a threaded neck on said stud adapted to project through the other opening, and a nut threaded upon the neck of said stud.

6. A fixture support comprising a wall plate having a cup shaped portion and a plurality of openings, one of said openings being formed in the side of said cup shaped portion, a fixture carrying stud adapted to pass through said side opening, a threaded neck on said stud adapted to project through the other opening, a nut threaded upon the neck of said stud, and a plurality of members having cam engaging faces between said wall plate and nut.

7. A chandelier or electrolier hanger, having a body and coupling member adapted to be supported by the body, said body and coupling member having engaging surfaces, whereby relative rotation is prevented, cam members adapted to be adjusted to hold the coupling member rigidly in proper position with respect to said body member, and means for locking said cam members in adjusted position.

8. A chandelier or electrolier hanger comprising a main body having a bowl shaped member with an opening therethrough, a fixture carrying coupling having a threaded neck and head adapted to fit within the

bowl shaped body portion, with the threaded neck thereon projecting through the opening in the bowl, said body and coupling having interengaging surfaces for preventing relative rotation, cam members adapted to be adjusted to hold the coupling member in proper position with respect to the body, and a nut threaded upon the threaded neck of the coupling, beyond the cam members, and adapted to lock the cam members with respect to said body, for holding the coupling member rigidly in position with respect to said body.

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