Aug. 2, 1932. B. D. WELLS 1,869,451

CANDLE SOCKET

Filed Nov. 30, 1929

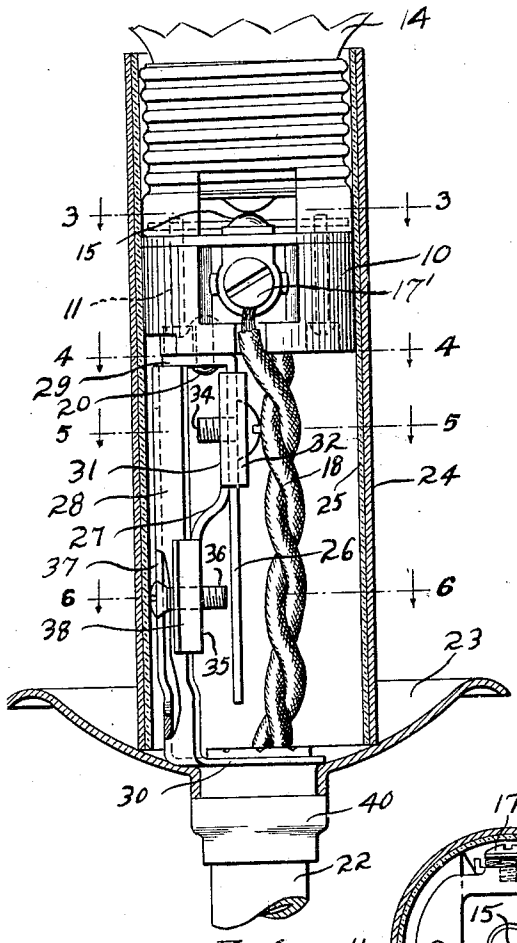


Fig. 1.

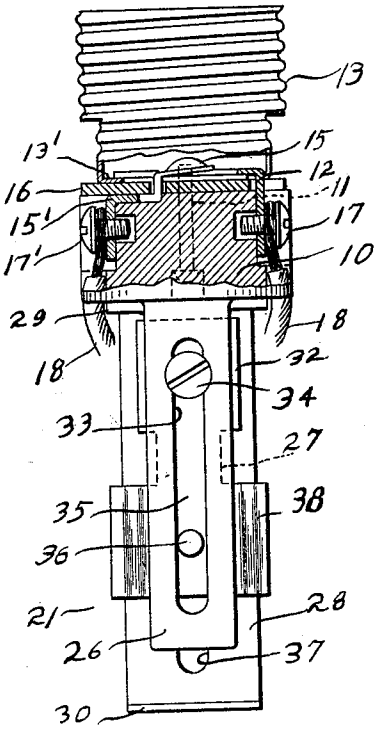


Fig. 2.

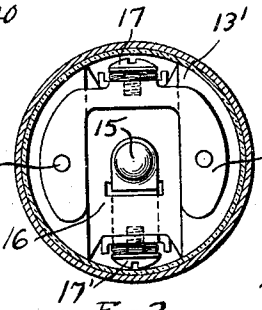


Fig. 3.

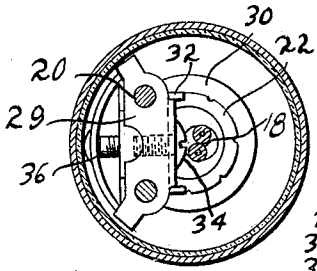


Fig. 4.

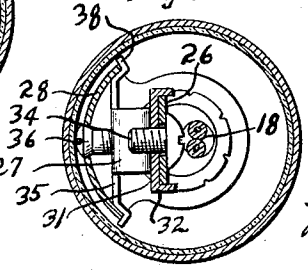


Fig. 5.

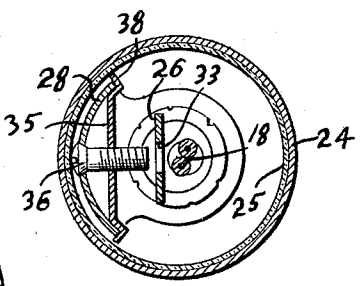


Fig. 6.

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UNITED STATES PATENT OFFICE

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CANDLE SOCKET

Application filed November 30, 1929. Serial No. 410,731.

This invention relates to candle sockets for lighting fixtures and has for an object to provide an improved adjustable mounting for these sockets.

It is a further object of this invention to provide an adjustable socket mounting in which the range of adjustment for the same length of mounting is much greater than that in the construction now generally in use and which will take the place of the short and the long sockets now sold.

With the foregoing and other objects in view, this invention consists in certain novel features of construction, combinations and arrangements of parts as set forth, disclosed and claimed in the following specification considered in connection with the accompanying drawing.

In this drawing:

Fig. 1 shows a side elevation of an embodiment of this invention, the enclosing candle casing and cup being shown in section.

Fig. 2 is a front elevation of the mounting, looking from the right of Fig. 1, the casing cup and support being omitted, and the insulating body member being partly in section, and

Figs. 3, 4, 5 and 6 are cross sections on lines 3—3, 4—4, 5—5 and 6—6 respectively of Fig. 1.

There is shown at 10 a porcelain or other insulating body member to which is affixed by screws 11 threaded into a plate member 12, a screw shell contact 13 for a light 14. A center contact 15 is affixed to body member 10 and insulated from the shell contact as by a fiber washer 16, and binding screws 17 and 17′ serve to secure lead wires 18 to the plate member 12 and the center contact 15 respectively.

The screw shell 13 has inwardly extending flanges 13′ resting on top of fibre disc 16, and the plate 12 rests on these flanges and so through screws 11 clamp the flanges against the fibre disc. The extension 15′ of center contact 15 rests in a recess in the body 10 and is held therein by the fibre disc 16.

Affixed to the bottom of body member 10 by means of screws or rivets 20 is the compound adjustable hickey or mounting 21, the other end of which is affixed on a supporting means such as the conduit 22 for the lead wires 18. Supported on this same conduit 22 is the candle cup 23 which in turn serves to support the candle casing 24 and fibre insulating lining 25 therein, the casing 24 also serving as usual to decoratively conceal the mounting means, body member, shell and lead wires.

The candle casings 24 are made in various sizes, particularly and commonly known as long or short candles, and it was formerly the practice to provide an appropriately sized mounting or hickey for each size candle, thus necessitating a different size hickey for each different size candle, but the compound hickey 21 herein provided may be adjusted to fit any of the various size candles now in common use. This hickey 21 comprises a longitudinal member 26, a connecting member 27 and a longitudinal member 28 which may be curved in cross section. The member 26 is shown flat but may be other shapes and has a bent over portion or foot 29 which is affixed to body member 10 by the rivets 20 as aforesaid, while the longitudinal member 28 has a bent over portion or foot 30 affixed to a nipple 40 by being threaded or riveted thereon while the nipple is in turn secured to the top of conduit 22 as by being threaded thereon. The connecting member 27 has a flattened portion 31 at its upper end having laterally projecting flanges 32 of a size to just fit about the longitudinal edges of member 26, and member 26 has a longitudinal slot 33 which is wide enough to receive the body but not the head of a screw 34 which is threaded into a tapped opening in portion 31 of connecting member 27. When screw 34 is loosened, member 26 may be moved up or down to lengthen or shorten the hickey 21. There is a similar flattened portion 35 at the other end of connecting member 27 having a similar tapped opening to receive the threaded body of a screw 36 which is passed through a similar longitudinal slot 37 in member 28. In this case, however, flattened portion 35 has substantially V-shaped flanges 38 projecting from the sides to fit about the edges of curved member 28 as shown. The screw 36 may also

be loosened to lengthen or shorten the hickey 21 by moving member 27 up or down on member 28.

In operation, this hickey is used to take the place of either the short or the long hickey commonly sold, and may be used with candle casings of various lengths. The screws 34 and 36 are loosened to permit the hickey to be adjusted to the proper size by sliding the longitudinal members up or down as may be determined by measuring the assembled structure and the length of the candle casing that is to be used, and then the screws are tightened to clamp the longitudinal members to the connecting member 27. With this compound adjustable hickey, the length may be shortened until it is no longer than the longitudinal member 28, or may be extended until substantially the length of member 26 plus that of the connecting member 27 added thereto, thus adjusting the hickey to fit a very long candle casing and eliminating the necessity of the two sizes of long and short hickeys now sold. In other words, with this construction I can secure about twice the adjustment that can be secured with the ordinary hickey of the same size.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. In a candle socket an insulatng body member carrying lamp contacts and a compound adjustable hickey for supporting the body member on a fixture comprising a longitudinal slotted member secured to the body member, a longitudinal slotted member adapted to be secured to a supporting means, a connecting member having end portions offset laterally from each other, and clamping means on each of said end portions of the connecting member adapted to cooperate with the slotted portion of each longitudinal member to adjustably secure the longitudinal members in position.

2. In a candle socket an insulating body member carrying lamp contacts and a compound adjustable hickey for supporting the body member on a fixture comprising a longitudinal slotted member secured to the body member, a longitudinal slotted member curved in cross section adapted to be secured to a supporting means, a connecting member, said connecting member having a longitudinally curved body portion, a portion at one end thereof having laterally projecting flanges to embrace the edges of the first longitudinal member and screw means passing through the slot of said member to adjustably secure it to the connecting member, a portion at the other end of the connecting member having substantially V-shaped flanges to cooperate with the back and side edges of the curved longitudinal member, and a screw means to pass through the slot of said curved member to adjustably secure it to the connecting member.

3. In a candle socket, an insulating body member for carrying the lamp contacts, a supporting member adapted to be secured to a fixture conduit and an adjustable means for mounting said body on said supporting member comprising a longitudinally extending member secured to the body member, a second longitudinal member secured to said support, an intermediate connecting member having lateral flanges adjacent its opposite ends to embrace the respective longitudinal members, and guide them for adjusting movement therein, the portions carrying said flanges being laterally offset from each other so that said longitudinal members may extend past each other, and clamping means for securing each longitudinal member in different adjusted positions to the connecting member.

4. In a candle socket, an insulating body member for carrying the lamp contacts, means for mounting the body in a fixture comprising a pair of upright members each having a longitudinal slot, means for securing the upper end of one of said members to said body, means for securing the lower end of the other member to the fixture, an intermediate member between the other members having end portions offset laterallv from each other, and a clamping screw in each slot and threaded in the respective end portions of the intermediate member to adjustablv secure the other members thereto.

5. In a candle socket, an insulating body member for carrying the lamp contacts, means for mounting the body in a fixture comprising a pair of upright members each having a longitudinal slot, means for securing the upper end of one of said members to said body, means for securing the lower end of the other member to the fixture, an intermediate member between the other members having end portions laterally offset from each other provided with spaced flanges embracing the opposite side edges of the first members to guide them for relative longitudinal movement and permit them to extend past each other, and a clamping screw in each slot and carried by the intermediate member to adjustably secure the other members thereto.

6. In a candle socket an insulating body member carrying lamp contacts and a compound adjustable hickey for supporting the body member on a fixture comprising a longitudinal member secured to the body member, a longitudinal member curved in cross section and adapted to be secured to the fixture, and a connecting member adjustably secured to each longitudinal member, said connecting member having end portions laterally offset from each other and one of said end portions having substantially V-shaped

flanges to cooperate with the back and side edges of the curved longitudinal member.

7. In a candle socket an insulating body member carrying lamp contacts and a compound adjustable hickey for supporting the body member on a fixture comprising a longitudinal member secured to the body member, a longitudinal member adapted to be secured to the fixture, and an elongated connecting member extending longitudinally of said longitudinal members and having end portions adjustably secured to the respective longitudinal members, said end portions being off-set laterally from each other so that the longitudinal members may extend side by side in over-lapping relation, and said end portions of the connecting member including flanges embracing the side edges of the longitudinal members.

8. In a candle socket an insulating body member carrying lamp contacts and a compound adjustable hickey for supporting the body on a fixture comprising a longitudinal member secured to the body member, a longitudinal member adapted to be secured to a supporting means, a connecting member, said connecting member off-set intermediate its ends and including end portions in planes substantially parallel and off-set laterally from each other and with the end portions engaging said longitudinal members, and means for securing said end portions of the connecting member at different adjusted positions along the length of the respective longitudinal members.

In testimony whereof I affix my signature.

BURLING D. WELLS.