

W. A. TAYLOR.
ELECTRIC LAMP STANDARD.
APPLICATION FILED FEB. 24, 1919.

1,309,375.

Patented July 8, 1919.

Fig. 1.

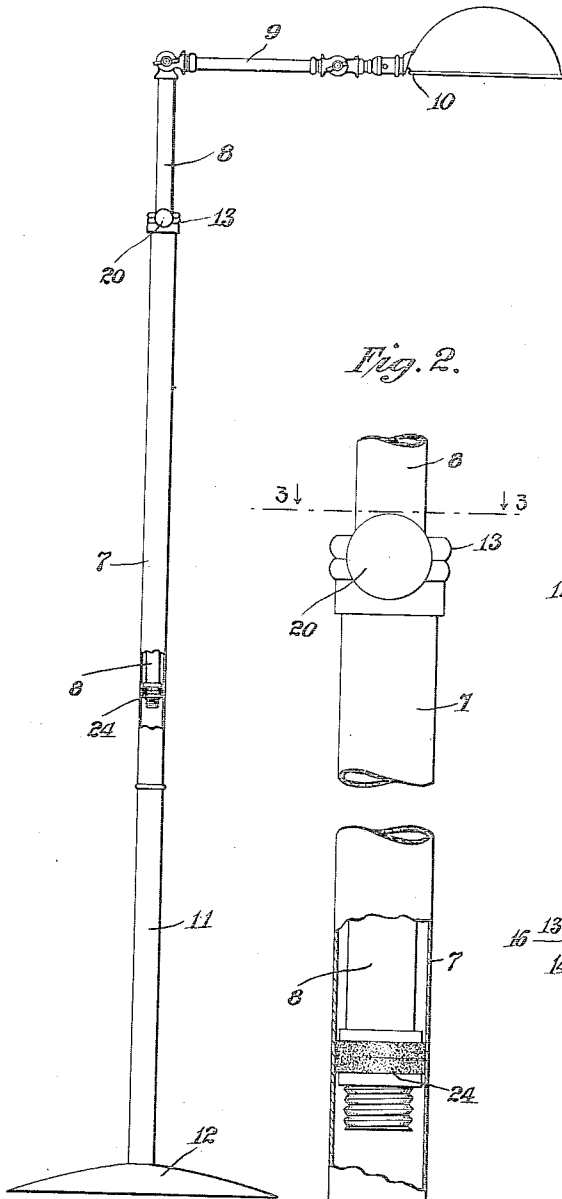


Fig. 2.

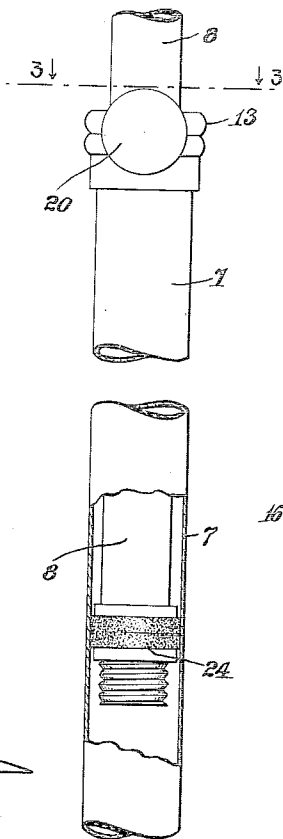


Fig. 3.

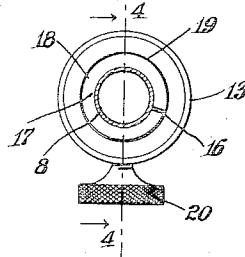


Fig. 4.

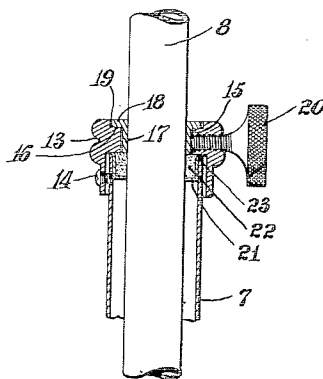
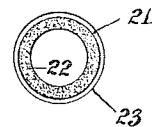


Fig. 5.



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ELECTRIC-LAMP STANDARD.

1,309,375.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILTON A. TAYLOR, a citizen of the United States of America, residing at Meriden, Connecticut, have invented a new and useful Electric-Lamp Standard, of which the following is a specification.

My invention relates to adjustable lamp supports of the type commonly employed in floor lamps, wherein the standard or supporting post is longitudinally extensible to different heights to suit the convenience of the user.

The objects of the invention are to provide a lamp standard of this longitudinally adjustable character which can readily be adjusted to meet different requirements and which when adjusted may be readily and securely fixed in the position of said adjustment.

Additional objects are to provide means for releasably or temporarily holding the standard in the position of adjustment while the securing means are being made fast.

In the accomplishment of the foregoing objects I employ telescopic post members forming an extensible support and provide securing means for holding said parts in adjustable relation in the form of a split spring clamping ring interposed between said relatively adjustable parts and operable by a thumb-screw or other suitable controlling element. Frictional guides are also preferably provided, interposed between the two relatively adjustable members of the standard to hold the parts in the position to which they have been adjusted while the set-screw or other controlling device is being operated to make the parts fast.

Other features of the invention will appear as the specification proceeds and will be understood from the accompanying drawing wherein I have illustrated the invention embodied in a practical commercial form.

In this drawing:—

Figure 1, is a side elevation of the invention as applied to a floor lamp, a portion of the tubular standard being shown as broken away to disclose the lower frictional guiding means.

Fig. 2, is a broken view on an enlarged

scale of the relatively adjustable parts of the standard.

Fig. 3, is a horizontal sectional view taken substantially on the plane of the line 3—3 of Fig. 2.

Fig. 4, is a broken sectional view taken substantially on the plane of the line 4—4 of Fig. 3.

Fig. 5, is a detached detail view of the upper frictional guiding ring.

In the illustration the two relatively adjustable parts or extensible portions of the lamp standard are designated 7 and 8, the first being an outer tubular post or casing and the second being a post element slidably supported within the first. The extensible post member carries, in the present disclosure, a bracket 9 for supporting the lamp 10 and is made hollow to carry the wires for the lamp. The tubular member is shown as mounted upon the pedestal 11 of a suitable lamp base 12.

Mounted upon the upper end of the tubular post there is shown a collar 13 fastened in place thereon by a screw 14 extending through an opening in the tubular post, as shown in Fig. 4. This collar, in the disclosure, is provided with an annular seat 15 having a laterally widened portion 16 at the upper end thereof and mounted in said seat is a split spring clamping ring 17 having an angularly outstanding flange 18 at its upper end bearing in the annular widened portion 16 of the seat. This split spring ring surrounds the extension post, as indicated in Fig. 3, and is made fast at one end for a portion of its length as by means of solder, as indicated at 19. The spring is free for the balance of its length and is adjusted with respect to the extension post, in the present disclosure, by means of a thumb-screw 20 having a screw threaded mounting in the collar and engaging at its inner end with said free end portion of the spring clamping ring. A slight adjustment of this set screw either brings the spring clamping ring into secure gripping engagement with the extension post, or releases said post so that the same may be adjusted within the tubular post.

At the upper end of the tubular post there is shown a friction guide in the form of a hollow ring 21 carrying an annular washer 22 of felt or the like, frictionally engaging

with the shank of the extension post extending therethrough. This frictional guide is held in place by flanging the upper end of the ring 21 outwardly, as indicated at 23, so that the same rests upon and seats within the upper end of the tubular post, it being held in such position by the engagement of the collar 13 over the flanged end thereof, as indicated in Fig. 4.

- 10 To prevent the lower end of the extension post from wobbling within the tubular post and to control the movements of such element more or less, I preferably provide on the lower end of the extension post, a frictional guide in the form of a friction washer 24 carried by the extension post and frictionally engaging the inner walls of the tubular post. As a result of these frictional guides between the two relatively extensible members, the one member is accurately and noiselessly guided within the other and the friction of these parts is preferably such that the extension element will be retained in the position to which it is adjusted, while the set-screw is being operated to secure the parts in fixed relation.

I claim:—

1. In an adjustable lamp standard, a tubular post, a collar on the end of said post provided with an annular seat having an annular widened portion, a split spring clamping ring engaged in said annular seat and provided with an annular outstanding flange bearing in the annular widened portion of the seat, an extension post telescopically mounted in the tubular post and passing through said spring clamping ring, and means for varying the gripping tension of the clamping ring on the extension post.

- 40 2. In an adjustable lamp standard, a tubular post, an extension post slidably mounted therein, a collar on the tubular post, a split ring seated in said collar and having a bearing on the extension post, means carried by the collar for exerting pressure on the split ring, and a friction guide between the tubular post and extension post.

3. In an adjustable lamp standard, a tubular post, an extension post slidably mounted therein, a collar on the tubular post, a split ring seated in said collar and having a bearing on the extension post, means carried

by the collar for exerting pressure on the split ring, and a friction guide mounted in the tubular post and engaging the extension post.

4. In an adjustable lamp standard, a tubular post, an extension post slidably mounted therein, a split spring ring providing a clutch between said two relatively adjustable members, said split ring being anchored for a portion of its length and free to be adjusted for another portion of its length and means for adjusting said relatively adjustable portion of the spring clamping ring.

5. In an adjustable lamp standard, a tubular post, an extension post slidably mounted therein, a split spring ring providing a clutch between said two relatively adjustable members, said split ring being anchored for a portion of its length and free to be adjusted for another portion of its length, means for adjusting said relatively adjustable portion of the spring clamping ring, and a frictional guide interposed between the tubular post and the extension post.

6. In an adjustable lamp standard, a tubular post, a friction ring seated in the end of said tubular post, a collar secured to the end of said tubular post and holding the friction ring in place therein, said collar having an annular seat, a split spring clamping ring engaged in said annular seat and secured fast to said seat at one end and free for radial adjustment at its opposite end, an extension post within the tubular post and extending through both the friction ring and the spring clamping ring aforesaid and means on the collar for clamping the free portion of the spring clamping ring against the tubular post.

7. In an adjustable lamp standard, a tubular post, a collar on the end of said post provided with a passage therethrough, a spring clamping element mounted in said collar and having a radially adjustable portion extending into said passage, an extension post extending through the passage aforesaid and means on the collar for forcing the radially adjustable portion of the spring clamping element into engagement with the extension post.

WILTON A. TAYLOR.