



# UNITED STATES PATENT OFFICE

2,088,812

## LAMP BASE CONSTRUCTION

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Application August 1, 1936, Serial No. 93,779

### 6. Claims. (Cl. 248—226)

This invention relates to improvements in lamp base constructions, and more particularly to lamp base clamping constructions for attaching lamps to tables, bedsteads, etc.

One object of this invention is to provide an improved lamp base construction for clamping a lamp base in attached position free of tendency to slip or shift.

Another object of this invention is to provide an improved lamp base construction, formed of simple elements, readily manufactured, and readily assembled, to produce a durable, efficient construction at minimum cost.

With the above and other objects in view, this invention includes all improvements over the prior art which are disclosed in this application.

In the accompanying drawing in which one way of carrying out the invention is shown for illustrative purposes:

Fig. 1 is a perspective view of a lamp with the base thereof constructed in accordance with this invention and applied in clamping position;

Fig. 2 is a fragmentary central sectional view of the lamp base with the clamping mechanism shown in full lines in completely folded position, and in broken lines in partly open or extended position;

Fig. 3 is a perspective view of the clamping unit prior to its attachment to the base of a lamp; and

Fig. 4 is a perspective view of the base plate of the clamping unit prior to the attachment thereto of the clamping mechanism.

In the description and claims, the various parts are identified by specific names for convenience, but they are intended to be as generic in their application as the prior art will permit.

Referring to drawing, 10 is an electric lamp having a hollow or cup-shaped base 11 in which is a heavy sheet metal base plate 12 secured within the base 11 by means of a nut 13, screw threadedly secured to the tubular part 14 of the lamp.

The base plate 12 has integral pivot lugs 15 struck up from the plate 12, and at the tops of pivot lugs 15 are integral limit lugs 16, and plate 12 preferably has two holes 17 for a purpose to be later described. A clamp carrier 18 of general U-shaped form, and preferably formed of wire, has its ends oppositely bent to provide pivot portions 19 pivoted in the pivot lugs 15. A clamp 20 of general U-shaped form, and preferably formed of wire, has its ends 21 bent as shown to pivot the clamp 20 to the center bar or arm 22 of the clamp carrier 18. Springs 23 normally yieldingly

urge the clamp 20 to folded position against the clamp carrier 18. Clamp carrier 18, together with clamp 20, are freely swingable about the pivots 19 from the completely folded position shown in Fig. 2 in solid lines to the position shown in Fig. 2 with the clamp carrier 17 engaged against the limit lugs 16. A lug or tongue 24 is struck up from the base plate 12, and serves as latching means. Thus, when the clamp 20 and clamp carrier 18 are swung about the pivots 19 to completely folded position (full lines Fig. 2), the center bar 22 of the clamp carrier 18 yieldingly engages against the latching means 24 to hold the clamping mechanism completely folded or collapsed within the hollow base 11 of the lamp. The holes 17 serve as clearance areas for the ends of springs 23 which engage the clamp carrier.

When the lamp is to be applied in clamping position upon a member such as 25, which may be a part of a table, bedstead or the like, the center bar 22 of the clamp carrier 18 is first pulled free from the latch 24 and the clamp 20 and clamp carrier 18 are swung outwardly until the clamp carrier engages against the limit lugs 16. The center bar 26 of the clamp 20 is then engaged with the finger and pulled outwardly against the action of the springs 23 a sufficient distance to permit the part 25 to which the lamp is to be clamped to be engaged between the center bar 26 of the clamp 20 and the annular edge 27 of the lamp base 11. It will be observed that the center bar or clamping element 26 moves so that its clamping edge is parallel to the plane of the annular clamping edge 27 of the base of the lamp and free from tendency to slide or slip from its proper clamping position.

The invention may be carried out in other specific ways than that herein set forth without departing from the spirit and essential characteristics of the invention, and the present embodiment is therefore to be considered in all respects as illustrative and not restrictive, and all changes coming within the meaning and equivalency range of the appended claims are intended to be embraced therein.

I claim:

1. A lamp base clamp construction including: a lamp base; a clamp carrier pivoted to said base; a clamp pivoted to said clamp carrier and having a clamping portion; and spring means engaging said clamp and clamp carrier and yieldably urging said clamping portion toward said clamp carrier.

2. A lamp base clamp construction including:

a lamp base; a clamp carrier pivoted to said base; limit means to limit the pivotal movement of said clamp carrier; a clamp pivoted to said clamp carrier and having a clamping portion; and means yieldably urging said clamping portion toward said clamp carrier.

3. A lamp base clamp construction including: a lamp base; a clamp carrier pivoted to said base; limit means to limit the pivotal movement of said clamp carrier; a clamp pivoted to said clamp carrier and having a clamping portion; yieldable means yieldably urging said clamping portion toward said clamp carrier; and latch means to hold the clamp carrier and clamp in folded position adjacent said base.

4. A lamp base clamp construction including: a lamp base; a base plate adapted to be connected to said lamp base; pivot and limit lugs on said base plate; a clamp carrier pivoted to said pivot lugs and adapted to engage said limit lugs; a clamp pivoted to said clamp carrier and having

a clamping portion; means yieldably urging said clamping portion toward said clamp carrier; and latch means on said base plate to hold the clamp carrier and clamp in folded position adjacent said base plate.

5. A lamp base clamp construction including: a base plate adapted to be connected to a lamp base; pivot lugs on said base plate; a clamp carrier pivoted to said pivot lugs; a clamp pivoted to said clamp carrier and having a clamping portion; and means yieldably urging said clamping portion toward said clamp carrier.

6. A lamp base clamp construction including: a base plate adapted to be connected to a lamp base; pivot and limit lugs on said base plate; a clamp carrier pivoted to said pivot lugs and adapted to engage said limit lugs; a clamp pivoted to said clamp carrier and having a clamping portion; and means yieldably urging said clamping portion toward said clamp carrier.

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