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[54] **LIGHT BASE FOR A DENTAL CHAIR**

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Related U.S. Application Data

[63] Continuation of Ser. No. 869,089, Oct. 24, 1969, abandoned.

[52] **U.S. Cl.** ..... **240/2 R**, 32/22, 240/4, 240/41.15, 240/81 R, 248/188.1

[51] **Int. Cl.** **F21v 33/00**

[58] **Field of Search** ..... 240/41.15, 4, 2, 240/2 BB, 2 SL, 81, 2 M, 1.4; 128/376, 377, 396, 172.1, 191; 248/12, 205, 188.1; 32/22

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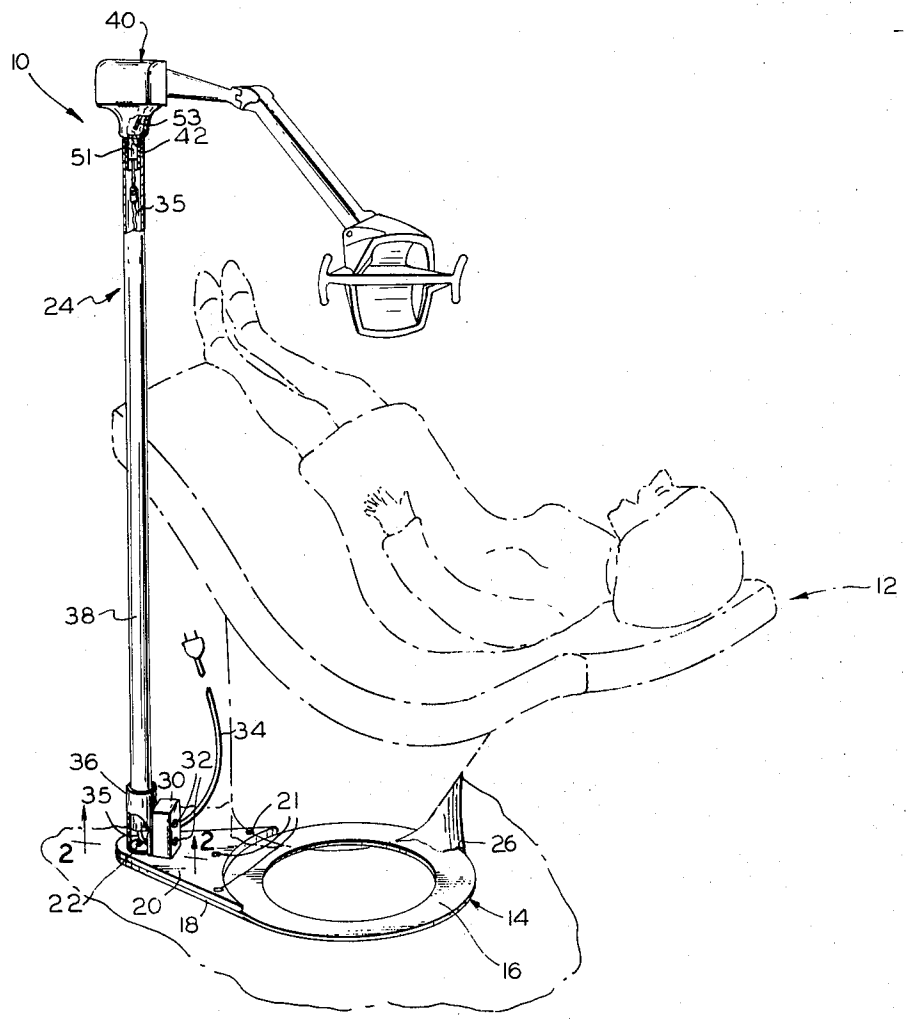
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[57] **ABSTRACT**

A light base has a base plate covered and pressed against the floor by a base of a dental chair, and a post-like upright assembly mounted on a mounting plate supports a lamp. The base plate is annular in shape and has a triangular portion projecting out from the base of the chair. A triangular plate having a surface in abutting relationship with the chair base is positioned in face-to-face engagement with the base plate projection.

9 Claims, 2 Drawing Figures



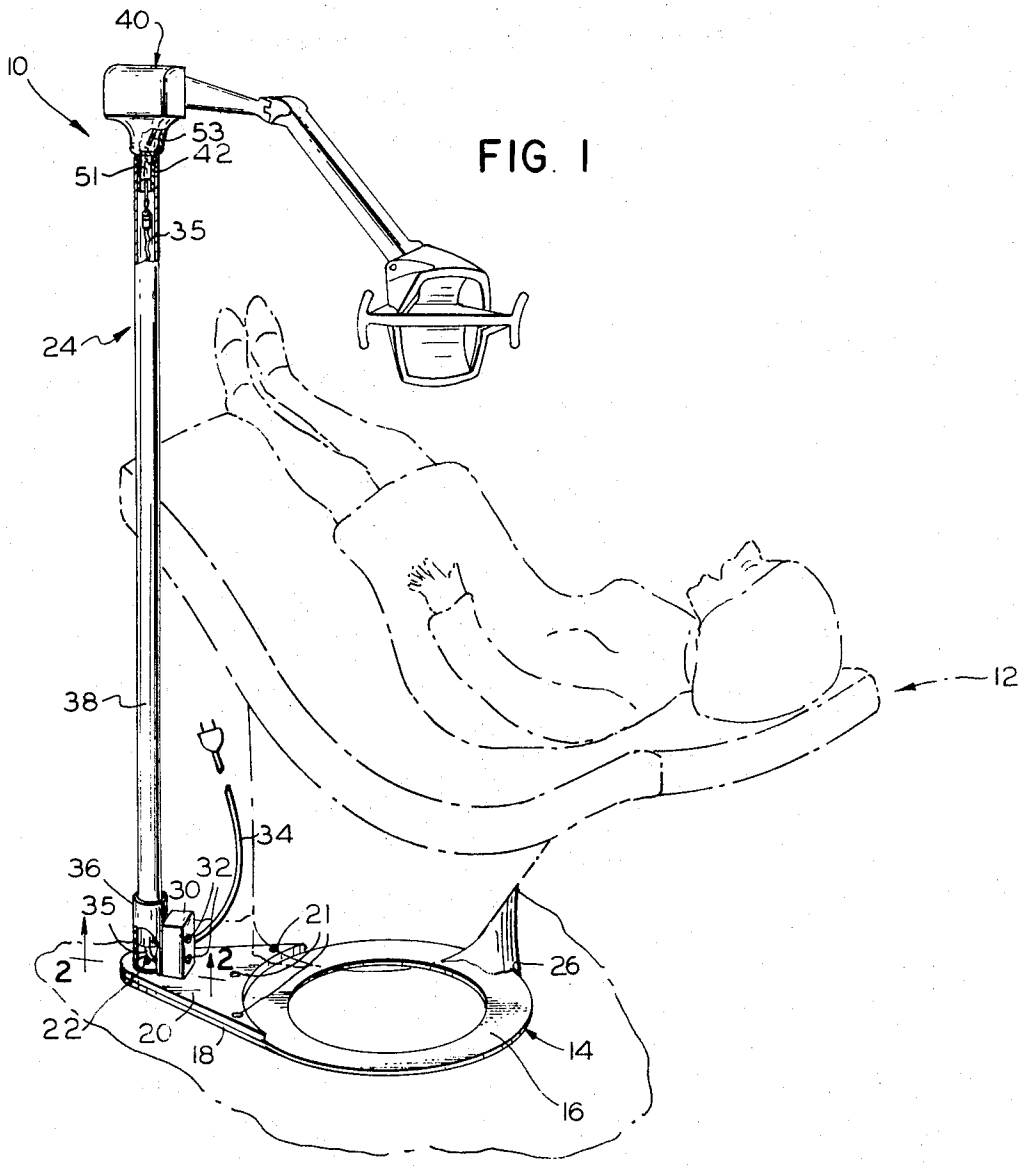


FIG. 1

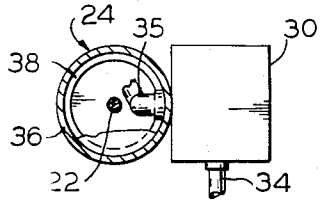


FIG. 2

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LIGHT BASE FOR A DENTAL CHAIR

This is a continuation of application Ser. No. 869,089 filed Oct. 24, 1969 now abandoned.

DESCRIPTION

This invention relates to a light base for a dental chair, and more particularly to a light base adapted to be held in place by and adjustable around a dental chair.

An object of the invention is to provide a light base for a dental chair.

Another object of the invention is to provide a light base adapted to be held in place by and adjustable around a dental chair.

A further object of the invention is to provide a light base having an annular base plate adapted to be positioned under a movable dental chair base and clamped against the floor by the weight of the chair and also movable with the chair over the floor and rotatably adjustable relative to the chair.

The invention provides a light base having base plate means adapted to be positioned under and held in place by a dental chair. The light base also includes an upright assembly mounted on a portion of the base plate means extending outwardly from the chair.

In the drawings:

FIG. 1 is a perspective view of a light base for a dental chair forming one embodiment of the invention; and

FIG. 2 is a horizontal sectional view taken along line 2—2 of FIG. 1.

Referring now in detail to the drawings, there is shown therein a light base **10** forming one embodiment of the invention and adapted to be used with a dental chair **12**, which is of the movable or portable type which can be slid over the floor when desired and normally stays in place by frictional engagement with the floor. The base **10** includes a planar base plate **14** having an annular portion **16** and a generally triangular, radially projecting, mounting portion **18**. A generally triangular mounting plate **20** is secured by screws **21** to the portion **18**, and a bolt **22** (FIG. 2) secures an upright assembly **24** to the mounting plate. The annular portion is slightly smaller than a base **26** of the chair **12** and is positioned under the base **26** and is concentric with the base **26**, which rests on the portion **16** to hold the lamp base in a fixed position on the floor. However, the lamp base may be rotated, by deliberate action only, on the floor relative to the chair base to adjust the position of the upright assembly.

The upright assembly **24** includes an electrical outlet box **30**, sockets **32**, a plug cord **34** and sulated conductors **35** extending into a tubular socket **36** to which is rigidly secured a rigid tubular post **38**. The housing of the box **30** is rigidly secured to the socket **36**. A standard dental light **40** is mounted on a flanged adapter **42** which projects into the top of the post and through which the conductors **35** extend. The light **40** has a tubular projection **51** which fits closely and slidably in the adapter **42** with the bottom end of housing **53** resting on the flange of the adapter. A plug of the cord of the light plugs into a socket at the end of the conductors **35** to supply power to the light. The conductors are sufficiently long for the socket to be pulled out the upper end of the post **38** for plugging and unplugging the light.

The above-described light base is especially designed for use with dental chairs which are movable and are used with mobile units, or where installation of a ceiling or wall mounted light is not practical. The light base forms a rugged support while being very compact. The light base also is easily adjusted rotatively relative to the chair base while normally being held securely in place without the necessity of screws or bolts to fasten the light base to the floor.

What is claimed is:

1. In combination,

a dental chair having a base,

base plate means adapted to be inserted between the dental chair base and a floor and be held thereby,

tubular upright means secured to the base plate means,

the base plate means including a flat, washer-like annular portion adapted to fit under the base of the dental chair, be covered substantially completely thereby and be clamped thereby against the floor,

the base plate means also including a radial projection extending beyond the base of the dental chair and having a tubular socket mounting the upright means in a position spaced laterally from the dental chair wherein the base plate means includes a base plate having an annular portion and a generally triangular radial projection, the base plate means also including a generally triangular mounting plate secured in face-to-face engagement with the projection and having an inner curved end portion in arcuate abutting relationship with the adjacent portion of the dental chair base,

and dental light means mounted on the upright means.

2. The combination of claim **1** wherein the upright means comprises a tubular post secured to the mounting plate.

3. The combination of claim **2** wherein the upright means also includes an electrical housing box having a connector cord, sockets and conductor means extending into and along the tubular post.

4. The combination of claim **2** wherein the upright means includes an adapter plug fitting into the upper end portion of the post,

and a dental light mounted on the adapter plug.

5. The combination of claim **1** wherein the upright means and the base plate means define a rigid L-shaped assembly.

6. The combination of claim **5** wherein said annular portion fits under and is concentric with the base of the dental chair and pressed thereby against the floor.

7. In combination,

a dental chair having a base,

a base plate having a flat, washer-like annular portion adapted to fit between the dental chair base and a floor and be held thereby and also provided with a radial projection,

an upright tubular pole,

bracket means securing the pole to the projection,

wherein the base plate means includes a base plate having an annular portion and a generally triangular radial projection, the base plate means also including a generally triangular mounting plate secured in face-to-face engagement with the projection and having an inner curved end portion in arcuate abutting relationship with the adjacent portion of the dental chair base,

dental light means mounted on the pole,

an electrical outlet box in a fixed position at the base of the pole,

a plug cord extending from the outlet box,

and conductor means extending through the tube to the dental light means.

8. The combination of claim **7** wherein the annular portion of the plate is completely covered by the chair.

9. The combination of claim **7** wherein the bracket means includes a plate member fixed on the projection and a tubular socket fixed to the plate member for mounting said pole.

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