

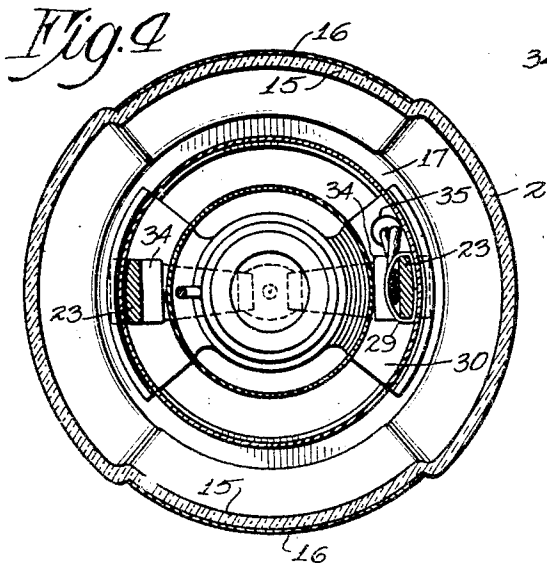
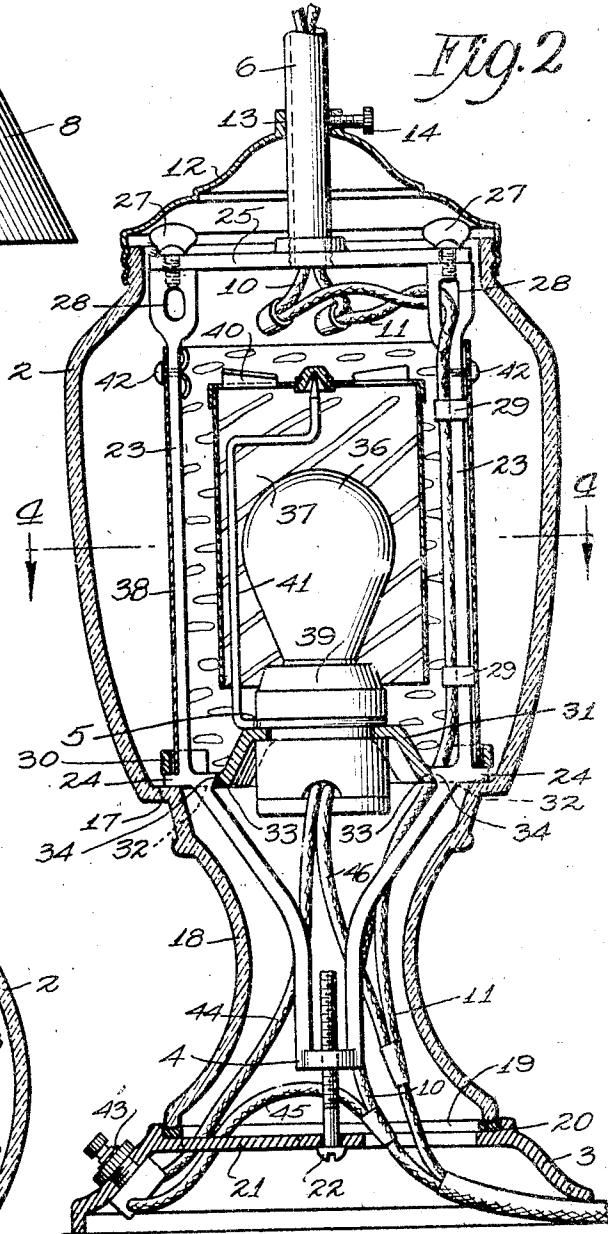
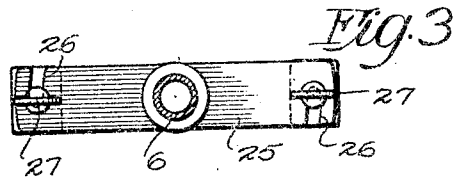
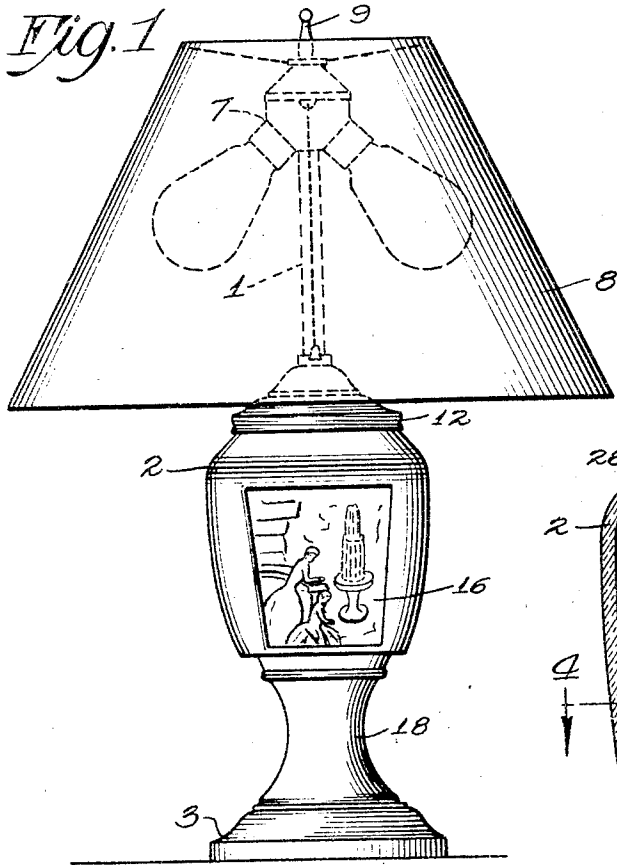
June 21, 1932.

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1,863,607

LAMP

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UNITED STATES PATENT OFFICE

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LAMP

Application filed September 2, 1931. Serial No. 560,702.

This invention relates to reading lamps of the type in which the lamp standard is mounted on an urn.

The main objects of this invention are to provide an improved form of urn for a lamp of this kind; to provide an improved form of concealed bracket for securing the lamp standard to the urn; to provide an improved bracket of this kind which is also adapted to support mechanism for producing illuminated motion effects in connection with pictorial representations on the urn; and to provide a lamp of this kind which can be readily assembled.

An illustrative embodiment of this invention is shown in the accompanying drawing, wherein:

Figure 1 is a side elevation of an improved lamp; the lamp standard being shown in dotted outline.

Figure 2 is an enlarged vertical section of the same; the lamp standard being broken away.

Figure 3 is a top plan of the upper part of the bracket, showing the lamp standard in section.

Figure 4 is a transverse section, taken on the line 4-4 of Fig. 2.

In the form shown, the improved lamp comprises a standard 1 secured to an urn or vase 2 mounted on a base 3, to which the urn is secured by a concealed bracket 4, which supports the lamp standard and which also supports mechanism 5 for producing the illuminated motion effects.

The lamp standard may comprise the usual tube or post 6 which supports a socket cluster 7 and any desired form of shade 8 secured to the cluster by a finial 9. Extending through the post 6 are electrical conductors 10 and 11 leading to the socket cluster and extending downwardly through the urn and base.

The urn may be of any ornamental design and may be formed of glass or any other suitable material. Its upper end is provided with a removable cap 12 having a neck 13 embracing the post 6. A set screw 14 may be provided for securing the cap to the post 6.

Formed in the wall of the urn, are transparent, recessed portions 15 on which are

mounted picture panels 16 bearing decorative pictorial representations on which the illusory motion effects are produced. If desired, these pictorial representations may be painted directly on the urn or the panels 16 may be positioned on the inside of the urn.

Formed on the inner side of the urn, is an annular shoulder or shelf 17 which supports the improved bracket. Below the shelf 17, the urn is shaped to form a neck 18 having its lower rim supported on a washer 19 seated in a recess 20 in the base 3.

In the form shown, the base 3 has a spider 21 for receiving a vertically disposed bolt 22 which is attached to the lower end of the bracket for the purpose of clamping the bracket, urn, and base together.

The improved bracket 4 is preferably made of cast metal and is substantially U-shaped to provide a pair of arms 23 having outwardly projecting shoulders or flanges 24 which rest upon the annular shelf 17 of the urn. The lower end of the bracket is bent to conform to the neck of the urn and it is threaded for engagement with the bolt 22.

Supported on the upper extremities of the bracket arms 23, is a plate 25 which is threaded or otherwise secured to the lower end of the lamp post 6. The ends of this plate are provided with slots 26 for receiving thumb screws 27 which are secured to the bracket arms. Openings 28 are formed in the upper ends of the bracket arms and one of these openings receives the conductors 10 and 11 which are secured to the bracket by clips 29.

Supported on the bracket flanges 24, is a shelf member 30 having a hub part 31. Located on respectively opposite sides of the hub, is a pair of openings 32 for receiving the bracket arms. In order to clamp the shelf member to the bracket arms, the shelf member is provided with inclined shoulders 33 adapted to abut inclined shoulders 34 formed on the bracket arms. To insert or remove the shelf member, it is necessary to slightly spread the bracket arms 23 for shifting the shoulders 34 outwardly away from the shoulders 33. This flexing of the bracket is permitted because the rim of the shelf member is normally

spaced from the outer faces of the bracket arms as shown in Fig. 2. The distance between the outer edge of either flange 24 to the inner edge of the adjacent shoulder 34 is less than the width of either opening 32.

One side of the shelf member has an aperture 35 for receiving the conductors 10 and 11.

In the form shown, the mechanism 5 for producing the illuminated motion effects is of the type shown in my Patent No. 1,761,802, issued June 3, 1930. It includes a lamp 36, and concentric cylindrical screens 37 and 38. The lamp 36 is supported in a socket 39 mounted on the hub 31 of the shelf 30.

The screen 37 has the usual fan 40 which is rotatably supported on a bracket 41 which is secured to the socket 39. The fan 40 is driven by the rising heated air, as is well understood, for rotating the screen 37 to intercept the light rays.

The screen 38 is positioned between the rotating screen and the picture panels. Its lower end is seated on the flanges 24 and its upper portion is secured to the bracket arms 23 by cotter pins 42.

The lamp 36 is controlled by a suitable switch 43 mounted on the base 3. This switch is connected to the socket 39 and the conductor 10 by conductors 44 and 45, respectively. Another conductor 46 leads from the socket to the conductor 11.

To assemble this improved lamp, the mechanism 5 is attached to the bracket 4 and the bracket is then placed in the urn. The base 3 is placed against the lower rim of the urn and the bolt 22 is then applied for drawing the bracket flanges 24 firmly against the ledge 17, thereby clamping the bracket, urn, and base together. The lamp standard 1 may be attached to the bracket 4 either before or after the latter is placed in the urn.

The lamp cluster 7 is controlled independently of the lamp 36 so as to permit either or both to be used.

During the operation of the lamp 36, the screen 37 is rotated so as to produce the desired motion effects upon the panels 16.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that details of the construction may be altered without departing from the spirit of the invention as defined by the following claims:

I claim as my invention:

1. A lamp comprising a base having a spider, an urn having an open lower end supported on said base, a U-shaped bracket located in said urn and having a pair of arms extending downwardly into said open end, a bolt detachably securing said bracket to said spider for clamping said urn to said base, a horizontal plate detachably secured to the upper ends of said bracket arms, a cap detachably secured to the upper end of said urn for concealing said bracket and

plate, illuminating means located between said bracket arms, and a lamp standard mounted on said plate and projecting upwardly through said cap.

2. A lamp comprising a base, an urn having an open lower end supported on said base, a bracket mounted within said urn and having a pair of spaced arms, a bolt for securing said bracket to said base, said urn and bracket having coacting shoulders above said bolt whereby said bracket and bolt are adapted to clamp said urn to said base, a lamp standard mounted on the upper ends of said bracket arms and projecting above said urn, a plate detachably secured to said bracket, and illuminating means mounted on said plate between said bracket arms.

3. A device of the class described comprising a substantially U-shaped bracket having a pair of arms adapted to be flexed slightly, ledges on said arms, a detachable shelf supported on said ledge, coacting shoulders on said arms and shelf for securing said shelf to said arms, said shoulders being adapted to be disengaged by the flexing of said arms, and illuminating means supported on said shelf.

4. A device of the class described comprising a substantially U-shaped bracket having a pair of arms adapted to be flexed slightly, ledges extending outwardly from said arms, a detachable shelf supported on said ledges, shoulders extending inwardly from said arms and adapted to engage portions of said shelf for securing said shelf to said bracket, said shoulders being adapted to be disengaged from said shelf by the movement of said arms away from each other, and illuminating means on said shelf.

5. A device of the class described comprising an urn having a ledge on its inner face, a substantially U-shaped bracket mounted in said urn and having a pair of arms adapted to be flexed slightly, ledges formed on said bracket arms and supported on said urn ledge, a shelf supported on the ledges of said bracket, coacting shoulders on said bracket arms and shelf, said shoulders being adapted to be disengaged by the flexing of said arms, and illuminating means supported on said shelf.

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