

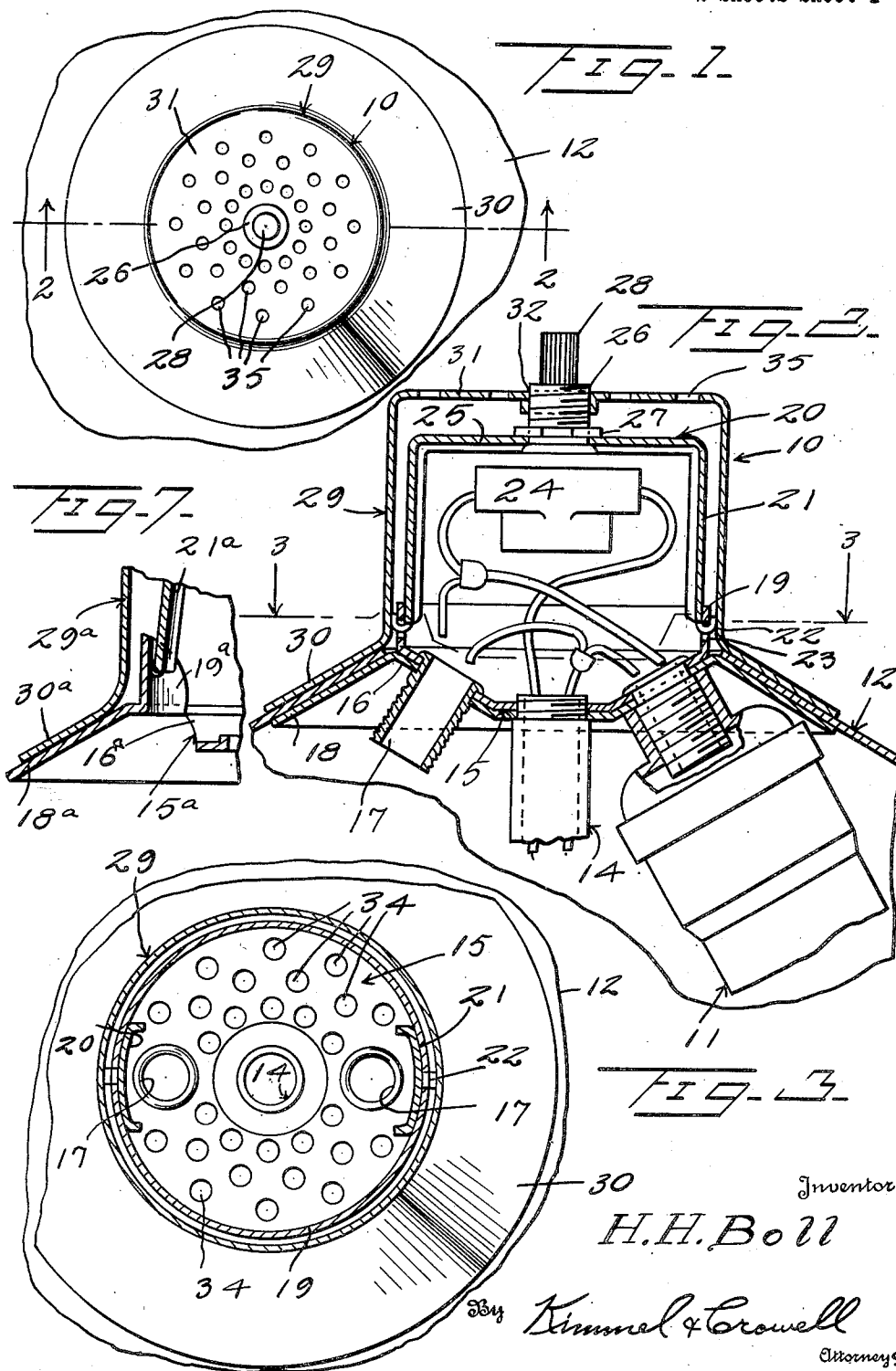
Jan. 23, 1951

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LAMP HEAD AND SWITCH

2,539,113

Filed May 28, 1948

2 Sheets-Sheet 1



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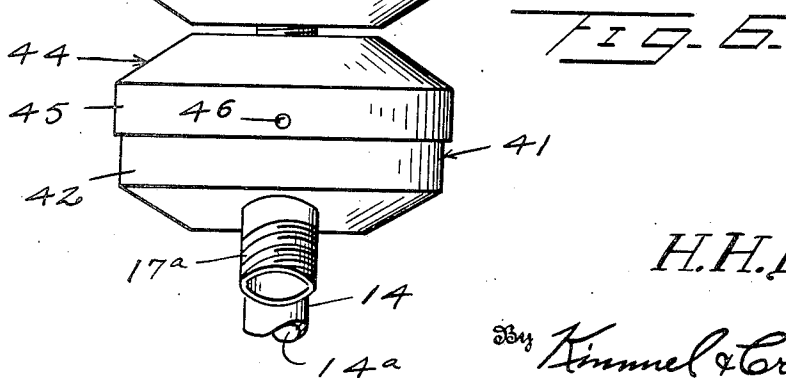
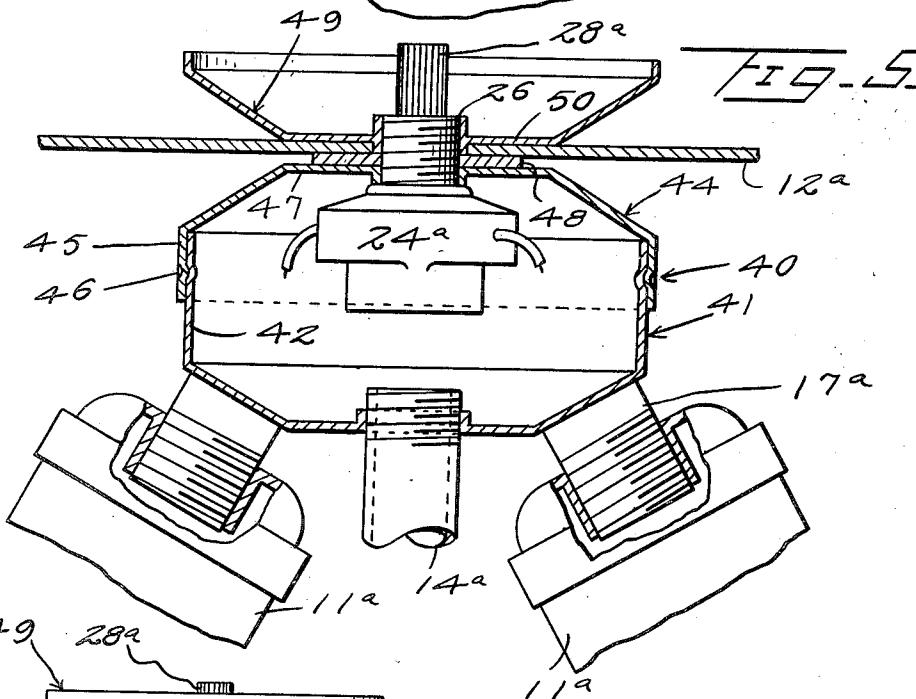
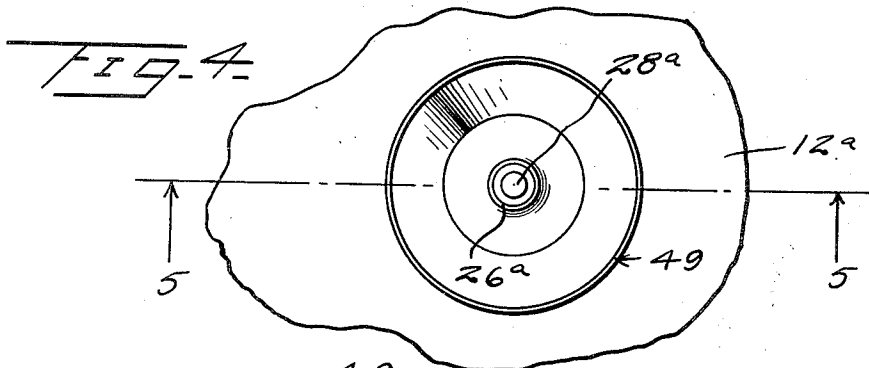
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## UNITED STATES PATENT OFFICE

2,539,113

## LAMP HEAD AND SWITCH

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Application May 28, 1948, Serial No. 29,855

2 Claims. (Cl. 240—81)

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This invention relates to lamps and more particularly to an improved lamp head and switch for a plurality of light bulbs.

It is an object of this invention to provide an improved lamp head and switch of the kind to be more specifically described hereinafter which is formed of a base or cluster member which is adapted to be fastened to the support post of a lamp stand, a switch bridge engageable on the cluster member, and a finial engageable over the switch bridge for securing a lamp shade between the switch bridge and the finial. By such construction, an improved lamp support is provided which is made of only three separate parts which may be readily assembled with a minimum amount of time and labor.

Another object of this invention is to provide a lamp head of this kind which is so constructed and arranged to provide a simple and convenient means for mounting, centering and clamping a lamp shade firmly in place over a multiple lamp fixture.

Still another object of this invention is to provide an improved lamp head and switch support of this kind which is so constructed as to provide for the location of the switch above the light bulbs and over the shade and to provide for ventilation of the lamp.

A further object of this invention is to provide an improved lamp head and switch of this kind which is constructed to provide for a switch above the light bulbs and lamp shade and to provide for ventilating the lamp when a shade closed at the top is used. The use of a lamp shade with a substantially closed top provides for more light below the lamp and eliminates the ceiling glare. The design of this lamp head also permits great ease in making all necessary electrical connections, provides ample space below the switch bridge for housing the necessary wiring. The simple design makes manufacture of this lamp head feasible mechanically and commercially.

With the above and other objects in view, my invention consists in the arrangement, combination and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claims.

In the drawings:

Figure 1 is a top plan view, partly broken away, of a lamp head constructed according to an embodiment of this invention.

Figure 2 is a vertical section taken on the line 2—2 of Figure 1.

Figure 3 is a transverse section taken on the line 3—3 of Figure 2.

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Figure 4 is a top plan view, partly broken away, of a modified form of this invention.

Figure 5 is a vertical section taken on the line 5—5 of Figure 4.

Figure 6 is a side elevation of the modified form shown in Figures 4 and 5.

Figure 7 is a fragmentary detailed section of a modification of the lamp head shown in Figure 2.

Referring to the drawings, the numeral 10 designates generally an improved lamp head for a lamp having a plurality of sockets 11 for light bulbs supported therein. The lamp head 10 has been designed to provide an improved support for both the socket members 11 and the shade 12 on the stand or vertical supporting member 14 of a lamp. The lamp head 10 is especially adapted for use with a lamp shade which is closed at the top or apex thereof.

The lamp head 10 is designed for ready production and assembly, being formed of three component parts. The lower member or cluster 15 of the lamp head 10 is annular, being fixed at its center to the upper end of the stand 14. The base 15 is substantially dish-shaped, having upwardly and outwardly extending sides 16 from which depend the nipples 17 to which the sockets 11 may be threadably engaged.

Outwardly of the sides or dish-shaped portions 16 the base 15 is provided with a downwardly and outwardly extending annular flange 18 which is adapted to underlie and support the apex of the shade 12. An annular flange 19 extends vertically upward from the base 15 inwardly of the outer edge of the flange 18, substantially at the juncture of the sides 16 and the flange 18.

A switch bridge 20 forms the second part of the head 10. The switch bridge 20 is substantially U-shaped, being inverted and having the downwardly extending arms 21 engaging at their lower end with the flange 19. Hooks 22 are provided at the extremity of the arms 21, and engage in openings 23 in the flange 19. The switch bridge 20, being resilient metal in construction, presses the hooks 21 outwardly so that they securely engage in the openings 23.

A switch 24 is supported from the bight 25 of the switch bridge 20. An upwardly extending tubular lug or fastening member 26 is fixed on or formed with the switch 24, and extends through the bight 25 of the switch supporting member 20. A nut 27 threadably engages about the lug 26 for securing the switch 24 in place.

The handle 28 for actuating the switch ex-

tends upwardly through the lug 26 where it may be readily reached for turning the lights in the sockets 11 on or off.

A substantially cup-shaped finial 29 provides the third part of the head 10. The finial 29, being cup-shaped, encloses the head 10 by covering the switch bridge 20. A downwardly and outwardly extending flange 30 is formed on the lower open end of the finial 29 and is adapted to engage over the shade 12 above the flange 13 for clamping the shade between the flanges 30 and 13. The top 31 of the finial 29 is provided with a central opening 32 through which the lug 26 engages for securing the finial 29 to the switch bridge 20 and head 10. In this manner the shade 12 is securely fastened above the light sockets 11 on the stand 14 and the handle 28 of the switch 24 extends upwardly from the apex of the lamp. To provide for the ventilation so the heat generated by the lamp may be dissipated, the base 15 is provided with a plurality of apertures 34 and the stop 31 of the finial 29 is formed with openings 35.

In Figure 7, there is shown a slightly modified form of lamp head wherein the base 15a is formed of a single sheet of material pressed to the desired configuration. The flange 19a serving the same purpose as flange 19 described above is struck from the blank on opposite sides of the center thereof thus defining inclined walls 16a similar to sides 16. The arms 21a are formed with hooks for engaging the flange 19a. The outer flange 33a of the finial 29a overlies the outwardly extending flange 18a of the base 15a for clamping the apex of a conical shade therebetween.

In Figures 4, 5, and 6, there is shown a modified form of this invention wherein the switch bridge itself encloses the switch within the lamp head.

Referring now to Figures 4, 5, and 6, the numeral 40 designates generally a lamp head formed of three parts, which when assembled, support the light bulb sockets 11a, the shade 12a, and switch 24a on a lamp stand 14a. The lamp head 40 is formed of an annular base 41 which is fixed or fastened to the upper end of the stand 14a. The bottom 42 of the base 41 is shaped with upwardly and outwardly extending sides from which extend downwardly lugs 17a for supporting the sockets 11a. A peripheral flange 42 is formed about the base 41, extending upwardly therefrom.

The switch bridge 44 is substantially frusto-conical in shape, having a peripheral flange 45 on the lower divergent end thereof, which is adapted to overlie and engage about the flange 42 of the base 41. Switch bridge 44 may be secured to the base 41 by threaded engagement or by frictionally sliding the flange 46 about the flange 42 and peening the flanges inwardly as at 48 for securing them together.

The upwardly extending lug or post 26a of the switch 24a extends through the top flat portion 47 of the switch bridge 44, and the lamp shade 12a is adapted to engage about the lug 26a to be supported thereon. A washer may be inter-

posed between the lamp shade 12a and the top 47 of the switch bridge 44. The finial 49 in this modified form provides a nut for attaching the shade 12a, as well as an ornamental apex for the lamp. The finial 49 in this form is substantially frusto-conical being inverted and having the lower divergent end thereof engaging the lug 26a and having the flat bottom 50 engaging the lamp shade 12a for clamping the shade between the bottom 50 of the finial and the upper end 47 of the switch bridge 44. The handle 28a for the switch 24a extends upwardly through the lug 26a in the same manner as that shown in Figures 1, 2, and 3.

I do not mean to confine myself to the exact details of construction herein disclosed, but claim all variations falling within the purview of the appended claims.

What I claim is:

1. In a lamp including a stand, a shade, and a plurality of sockets, a lamp head comprising a base on said stand, an upwardly extending flange on said base, an inverted U-shape switch bridge engaging said flange, a switch, an upwardly extending tubular post on said switch engaging through said switch bridge, a substantially cup-shaped finial engageable over said switch bridge and engaging said post, an outwardly extending flange on said base, an outwardly extending flange on said finial engageable over said outwardly extending flange on said base for clamping a shade there between, and downwardly extending socket supporting posts on said base.
2. An improved lamp head for a lamp having a stand and a lamp comprising an annular perforated base, engageable on said stand, an upwardly extending flange about said base, an annular downwardly and outwardly extending flange on said base, downwardly and outwardly extending socket supporting members depending from said base, an inverted U-shaped switch bridge on said base having the legs thereof resiliently engaging said upwardly extending flange, a switch, an upwardly extending attaching post on said switch engaging through said switch bridge securing said switch thereto, a cup-shaped finial engaging over said switch bridge providing a housing therefor, a perforated base on said finial, said post engaging through said base of said finial for securing said finial on said switch bridge, and a downwardly and outwardly extending flange on said finial engageable over the outwardly extending flange of said base for clamping a lamp shade therebetween.

HERBERT HAFFORD BOLL.

#### REFERENCES CITED

The following references are of record in the file of this patent:

#### UNITED STATES PATENTS

Number	Name	Date
1,203,981	Clifford	Nov. 7, 1916
1,446,695	Dunn	Feb. 27, 1923
1,656,725	Chadwick	Jan. 17, 1928
1,994,410	Tixier	Mar. 12, 1935