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ILLUMINOUS ELECTRIC HEATER.
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929,094.

Patented July 27, 1909.

Fig 1.

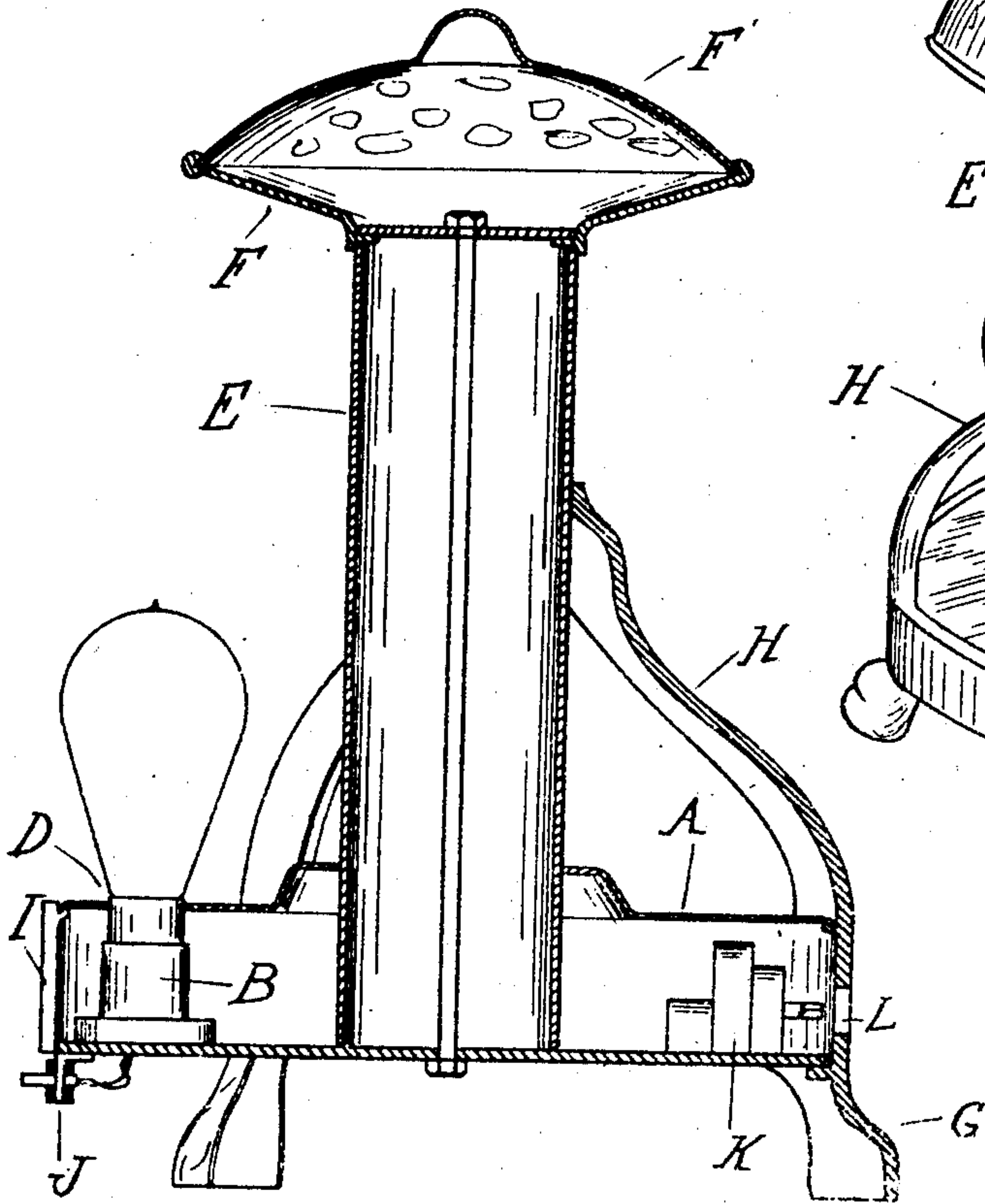
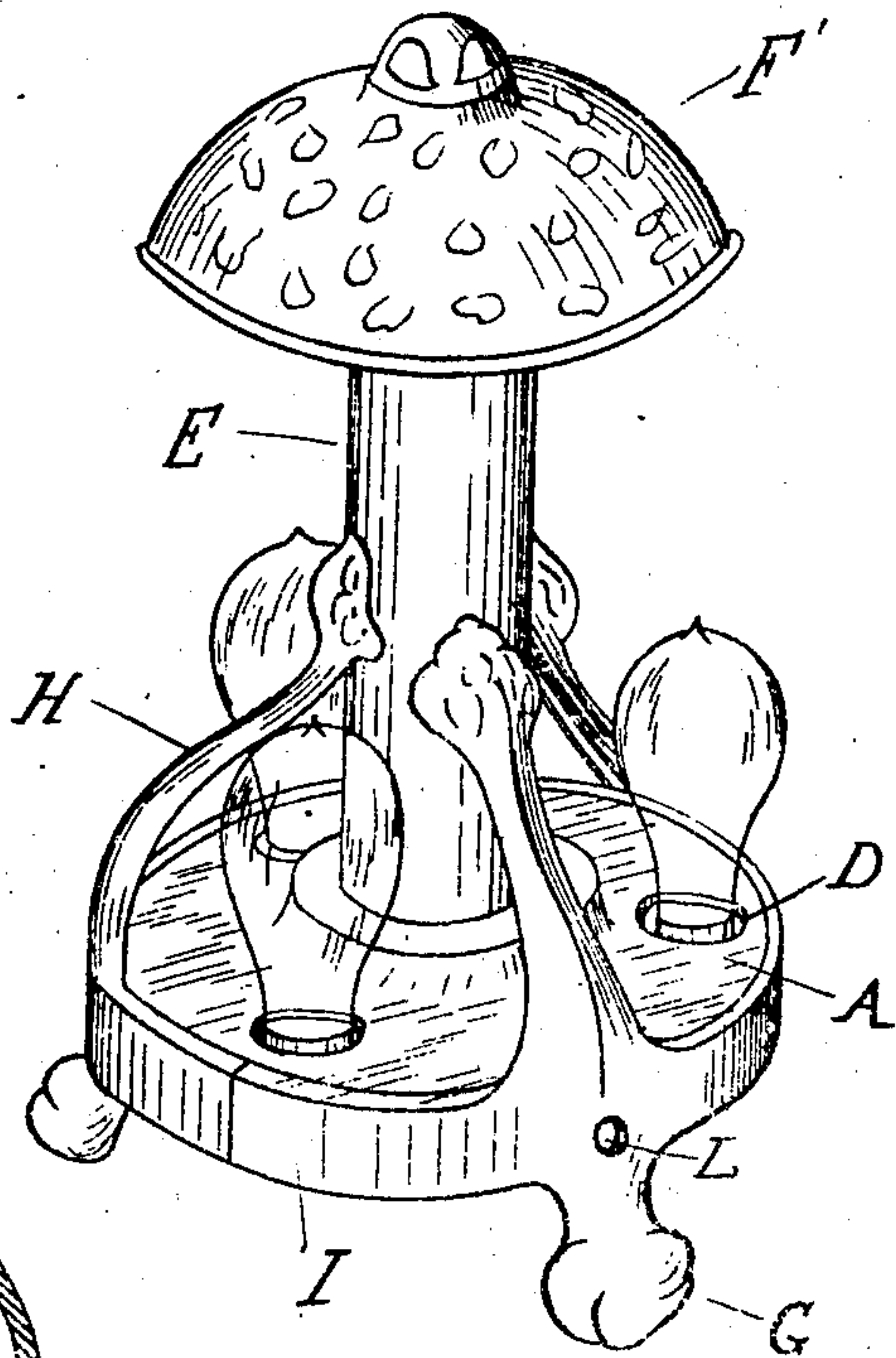


Fig 2.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK KUHN, OF DETROIT, MICHIGAN, ASSIGNOR TO AMERICAN ELECTRICAL HEATER COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

ILLUMINOUS ELECTRIC HEATER.

No. 929,094.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed December 12, 1908. Serial No. 467,242.

To all whom it may concern:

Be it known that I, FRANK KUHN, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Illuminous Electric Heaters, of which the following is a specification, reference being had therein to the accompanying drawings.

10 It is the object of the invention to obtain a construction of electric heater that may be connected with any ordinary lamp circuit and which will generate both heat and light.

15 It is a further object to obtain an apparatus of an ornamental nature which may be placed on a center table, and thus may be used both as a lamp and a heater.

20 In the drawings: Figure 1 is a vertical central section through the heater; Fig. 2 is a perspective view thereof.

A is a hollow base within which is arranged a series of lamp sockets B. These sockets are arranged concentrically within the base and register with apertures D in the upper wall thereof.

E is a tubular standard extending about the base and having at its upper end the cap or head section F.

30 G are supporting legs for the base and H are extensions of these legs which are bent inward above the base and form braces for the standard E. The extensions H are arranged in between adjacent lamp sockets and form guards for the lamps when engaged with the sockets.

40 In use, low efficiency lamps are preferably placed in the sockets B and extend above the same between the braces H. These lamps will generate a relatively large amount of heat, which is reflected from the base and from the central standard and thrown out radially from the heater. At the same time, the light generated by the lamps is sufficient for illuminating purposes.

45 The cap section F forms both a guard for the lamps and also increases the heat generating surface. This cap is preferably formed of an openwork cast metal top F', and the legs G, and their extensions H, are also preferably formed of cast metal, the remaining parts being formed of sheet metal. As shown, the legs G and extensions H are

integral with segments I, which surround the base and are bolted or otherwise secured thereto. Terminal connections J are attached to the base, or side thereof, and a switch K is arranged upon the opposite side, as shown in Fig. 1. 55

In order to prevent tampering with the switch, it is arranged within the hollow base and an aperture L is provided through which any suitable operating device (not shown) may be inserted. 60

What I claim as my invention is:

1. An illuminous heater comprising a base, a series of lamp sockets thereon arranged to project the lamps upward from the base, a central standard rising from said base, and guards extending from said central standard to the periphery of said base intermediate said lamp sockets. 65 70

2. An illuminous heater comprising a base, a central standard rising therefrom surmounted by an overhanging cap, and a series of lamp sockets in said base arranged to project the lamps upward therefrom around said central standard and beneath said cap. 75

3. In an illuminous heater, a base, a reflector comprising a central standard projecting upward from the base, and a series of lamp sockets on the base projecting upward therefrom and arranged about said standard. 80

4. In an illuminous heater, a base, a reflector comprising a central standard projecting upward from the base, and a series of lamp sockets positioned intermediate the foot of the standard and the outer edge of the base. 85

5. In an illuminous heater, a hollow base, a central standard projecting upward therefrom, a series of lamp sockets registering with apertures in the upper face of the base, and encircling said standard, supporting legs for the base, and upward extensions of said legs inclining upward to said standard and arranged intermediate said lamp sockets. 90 95

In testimony whereof I affix my signature in presence of two witnesses.

FRANK KUHN.

Witnesses:

NELLIE KINSELLA,
W. J. BELKNAP.