1,067,391. Patented July 15, 1913.

Fig. I.

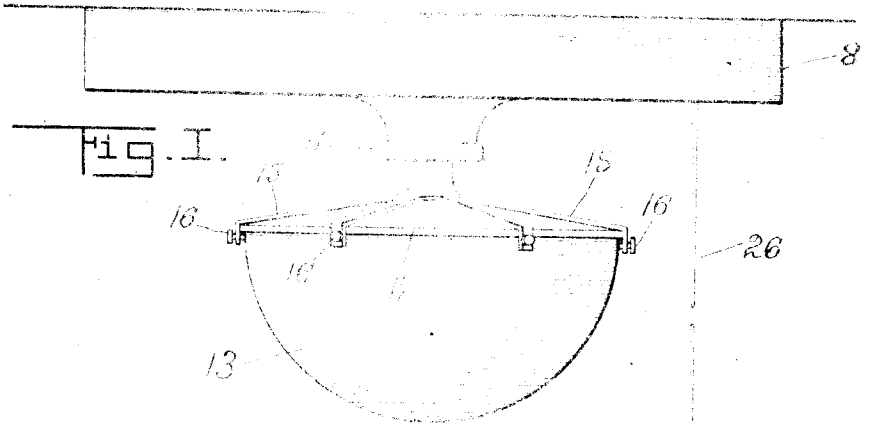


Fig. 2.

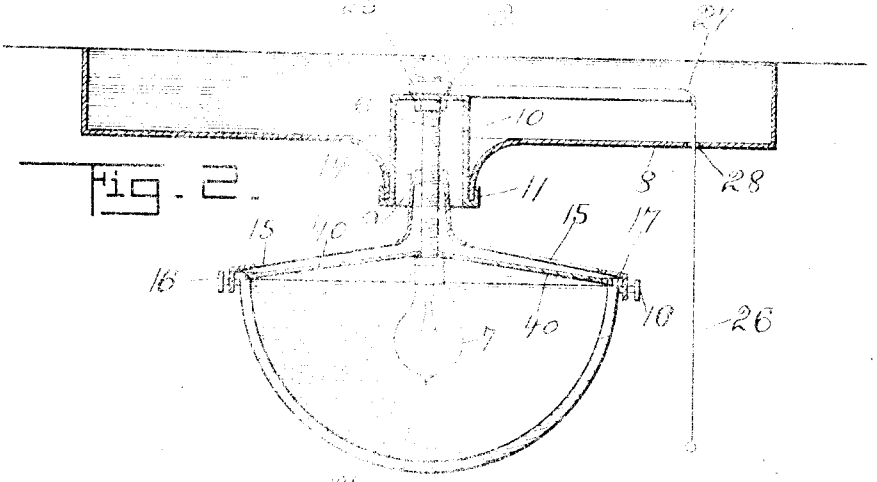
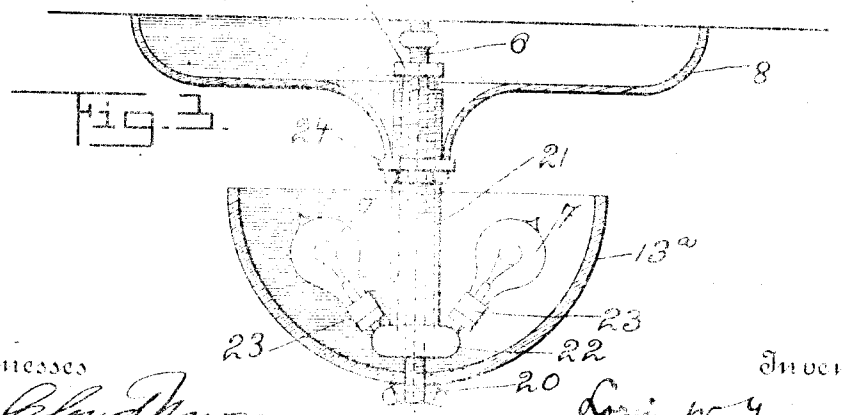


Fig. 3.



Witnesses
L. Cloud Newman
Edith L. Smith

Inventor
Louis W. Young
by Chas. E. Jones
Attorneys

UNITED STATES PATENT OFFICE.

LORIN W. YOUNG, OF NEW YORK, N. Y.

LIGHTING-FIXTURE.

1,067,391. Specification of Letters Patent. Patented July 15, 1913.

Application filed March 8, 1913. Serial No. 753,120.

To all whom it may concern:

Be it known that I, LORIN W. YOUNG, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Lighting-Fixtures, of which the following is a specification.

This invention relates to lighting fixtures, and comprises a unit utilizing the semi-indirect principle, the main features being an upper reflector and a lower bowl or diffusing element, the reflector and bowl being mounted on the lamp support, and the lamps being located within the bowl, whereby the upwardly projected rays are reflected downwardly and outwardly and the lamps are substantially concealed by the lower diffusing bowl, the indirect lighting effect being produced by reflection of light from the surface of the upper reflector, which may conveniently be made to fit against the ceiling.

The invention is illustrated in the accompanying drawings in which—

Figure 1 is a side elevation of the unit. Fig. 2 is a vertical section. Fig. 3 is a vertical section of a modification.

Referring specifically to the drawings, 6 indicates a hollow exteriorly threaded pipe connected to any suitable ceiling box, and supporting one or more electric lamps 7, the lead wires extending through the pipe to the lamps. A bowl shaped reflector 8 is mounted with its rim preferably in contact with the ceiling, and it has a central opening 9 through which the pipe 6 extends. This reflector may be of any desired shape or configuration. It is supported by a hanger 10, which may comprise a cupped shell fitting in the opening 9 in the reflector, and having a lower hooked rim 11 which engages under the edge of the reflector around the opening 9, the hanger being supported by a nut 12 on the pipe, permitting adjustment to fit the reflector to proper position. Or instead of a shell, a plate may be used with depending arms hooked under the edge of the reflector. The reflector is preferably made of glass, and it may be frosted.

The lower globe or bowl 13 is made of glass having diffusing qualities, and it is supported by a focusing device and hanger consisting of a collar 14 screwed on the pipe 6, and having a number of spaced arms 15 with screws 16 which engage under the rim 17 of the bowl 13. Obviously any other form of engaging device may be used. It will be noted that the hanger for the bowl can be screwed up or down on the pipe or stem 6 to adjust the diffusing bowl to proper or desired position.

The shape and ornamentation of the reflector and the globe may of course be varied as desired. The upper rays from the lamp 7 are reflected downwardly and outwardly from the reflector above. The bowl conceals the lamp and prevents objectionable brilliancy and acts to diffuse the rays which are not reflected from above.

In the form shown in Figs. 1 and 2 the bowl is supported by a hanger at its rim. In the form shown in Fig. 3 the bowl 13^a is supported by an ornamental nut 20 screwed against the bottom of the bowl, and the pipe 6 is surrounded by a sleeve 21 spaced therefrom, and ending in a ball 22 or the like carrying the lamp sockets 23, the lamps being inclined upwardly. And in this form the reflector 8 rests on or is supported by a collar 24 on the sleeve 21. A switch indicated at 25 is inserted in the pipe 6, with a pull chain 26 passing over an arm 27 and through a hole 28 in the reflector and depending in position to be pulled for operation of the switch.

In the type shown in Fig. 3 the pull chain from the switch may be conveniently passed downwardly through the pipe 6, allowing the chain to drop from the center. Any appropriate kind of switch may be used for the purpose.

The hollow reflector surrounds and incloses the upper part of the supporting pipe or stem, and the lower globe surrounds and conceals the lamps and the lower part of the stem, so that the metallic parts of the fixture are not visible from below and therefore may be made of rough or cheap material.

Either of the constructions illustrated and described permits the lower bowl to be moved up or down as desired so as to focus the same and obtain different angles of reflection from the interior of the bowl, whereby the rays which are reflected upwardly from the bowl are then reflected downwardly and outwardly from the reflector 8 and to the angle desired for local

conditions. By means of the threaded pipe, this can be done without moving the lamps, thus making a fixture which will be passed by underwriters and giving a stationary focusing attachment. The hollow hanger 10, shown in Fig. 2, permits the lower hanger 15 to be raised or lowered for the purpose stated.

If desired, a clear glass cover indicated at 40 may be placed on the bowl 13, to keep out dust.

What I claim as new is:

1. A lighting fixture comprising a depending stem adapted to support lamps, a reflector surrounding and spaced from said stem above the lamps, an interiorly recessed support mounted on the stem in said space and engaging the reflector to support the same, a dished globe inclosing the lamps, and an adjustable hanger on the stem, for the globe, said hanger projecting upwardly into the recess in said support.

2. A lighting fixture comprising a depending stem adapted to support lamps, a reflector surrounding said stem above the lamps, and having a central opening, a cupped shell fitting in said opening and attached at its upper end to the stem and engaging, at its lower end, the edge of the reflector around said opening, to support the reflector in position, a globe inclosing the lamps, and a hanger for the globe, mounted on the stem and adjustable thereon within said cupped shell.

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

LORIN W. YOUNG.

Witnesses:
F. W. EGAN,
C. H. BOWNE.