J. H. GOEHST.

ELECTRIC LIGHT FIXTURE.

APPLICATION FILED FEB. 13, 1908.

902,960. Patented Nov. 3, 1908.

Fig. 3.

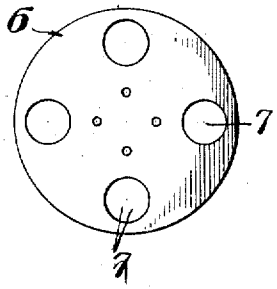
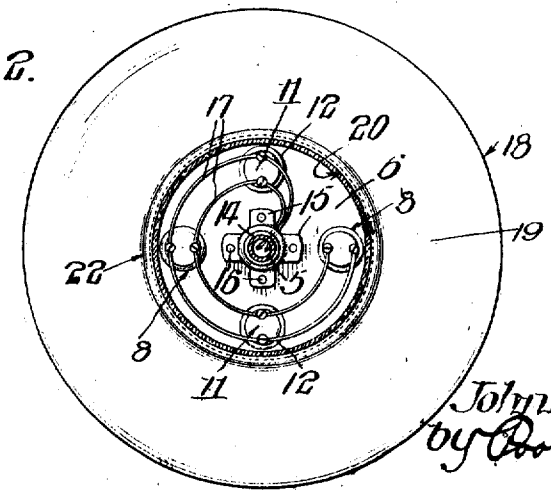


Fig. 1.

Fig. 2.



Witnesses:
P. F. Alfredo
M. Stalls

Inventor
John H. Goehst
by Bond Brown
Attys

UNITED STATES PATENT OFFICE.

JOHN H. GOEHST, OF CHICAGO, ILLINOIS.

ELECTRIC-LIGHT FIXTURE.

No. 902,960. Specification of Letters Patent. Patented Nov. 3, 1908.

Application filed February 13, 1908. Serial No. 415,651.

To all whom it may concern:

Be it known that I, JOHN H. GOEHST, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Electric-Light Fixtures; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to a novel electric light fixture designed more especially for cluster ceiling lights and the invention consists in the matters hereinafter set forth and more particularly pointed out in the appended claims.

Among the objects of the invention is to provide an extremely simple and efficient fixture for supporting a cluster of electric lamps and to provide a fixture possessing high efficiency which may be constructed at low cost, and which possesses to a high degree features of attractiveness and ornate design.

In the drawings:—Figure 1 is a partial side elevation and a partial vertical section of a fixture embodying my invention. Fig. 2 is a horizontal section, taken on line 2—2 of Fig. 1. Fig. 3 is a plan view of the socket support.

As shown in the drawings, 5 designates the usual supporting stem by which the fixture is suspended from the ceiling, and 6 designates a horizontally arranged socket support attached centrally thereof to the lower end of said stem. Said socket support comprises a plain flat plate which is provided with a plurality of angularly separated openings 7, 7 which receive the sockets 8, 8 of the lamps 9. The sockets herein shown embody the construction illustrated in my prior United States Letters Patent No. 744,330, granted on the 17th day of November, 1903, each comprising a socket body 10 provided with a reduced screw-threaded portion 11, which extends upwardly through an opening 7 in the socket support and is fixed thereto by a screw-threaded clamping ring 12 which engages said screw-threaded portion of the socket. The stem 5 is herein shown as attached to the socket support through the medium of a hollow "crowfoot" fitting 14 which has screw-threaded engagement with the lower end of the stem and is provided with a plurality of lugs or feet 15 to which the socket support is attached, as by means of the screws 16. The conductor wires 17 extend from the sockets through said fitting 14 and upwardly into the hollow stem.

18 designates, as a whole, a combined shade and hood, it comprising an annular, downwardly and outwardly inclined shade or reflector portion 19 and a central, crown-shaped casing or hood 20 which is arranged to inclose the upper side of the socket support, the upper ends of the sockets and the wiring associated therewith. The said combined shade and hood is made of a single piece of suitable material, such as porcelain, translucent glass or the like, suitably colored or otherwise treated to produce the proper shading or reflecting effect. The central or hood portion is opaque in order to conceal the sockets and wiring inclosed thereby. The said combined hood or shade is provided centrally with an opening 21 for the passage therethrough of the stem 5. The socket support 6 engages at its periphery the inner face of said combined shade and hood at or near the junction of the shade portion with the hood. Preferably, and as herein shown, the said combined shade and hood is formed on its inner side with an annular recess 22, thus providing a downwardly facing shoulder against which the socket support rests at its peripheral portion, and providing a bearing between said parts of such width as to hold the combined shade and hood stable relatively to the socket support. Said combined shade and hood is confined between the peripheral portion of the socket support and a downwardly facing bearing collar 25 which surrounds the stem 5 and bears against the upper side of the hood portion 20 and is attached to said stem by means of a set-screw 26.

The fixture described is exceedingly simple and inexpensive in its construction, and, being composed of but few parts, may be readily and economically assembled and taken apart. Moreover, said fixture is strong and durable and is attractive in appearance.

I claim as my invention:—

1. An electric lamp fixture comprising a socket support, a stem to the lower end of which the support is centrally attached and a combined integral shade and hood, the hood being arranged centrally over and cov-

ering the upper side of said support and means for clamping said combined shade and hood against said support.

2. An electric lamp fixture comprising a socket support, a stem attached thereto, a combined integral shade and hood comprising a shade portion extending outwardly beyond the support and a hood portion arranged centrally over and covering the upper side of the support, the hood portion having a central opening through which extends said stem, said support bearing at its periphery against the inner side of the combined hood and shade, and means on the stem between which and the support the combined hood and shade is confined.

3. An electric lamp fixture comprising a socket support, a stem attached thereto and a combined integral shade and hood comprising a shade portion extending outwardly beyond the support and a reduced hood portion arranged centrally over and covering the upper side of the support, the hood portion having an opening through which the stem extends, said combined shade and hood being provided on its under side at the shoulder between the hood and shade with a groove which receives the periphery of said socket support, and means for positively locking the support engaged with the grooved portion of the combined shade and hood.

4. An electric lamp fixture comprising a socket support, a stem attached centrally thereto and a combined integral shade and hood comprising a shade portion extending outwardly beyond the support, a hood portion arranged centrally over and covering the upper side of the support and provided with a central opening through which the stem extends, the support bearing at its periphery against the inner side of said combined shade and hood, and a collar surrounding and detachably fixed to the stem and bearing on the upper side of said hood portion around the central opening thereof.

5. An electric lamp fixture comprising a perforated socket support, a hollow stem to the lower end of which the support is attached, sockets extending through the perforations of said support and attached thereto, conductor wires attached to the terminals of said sockets and extending upwardly into the hollow stem, a combined, integral shade and hood, the hood portion of which is located above and covers the upper side of said socket support and said sockets and wiring and means on the stem for confining the combined shade and holder against the support.

In testimony, that I claim the foregoing as my invention I affix my signature in the presence of two witnesses, this 10th day of February A. D. 1908.

JOHN H. GOEHST.

Witnesses:

EDWARD J. DOYLE,

C. A. CUMMINGS.