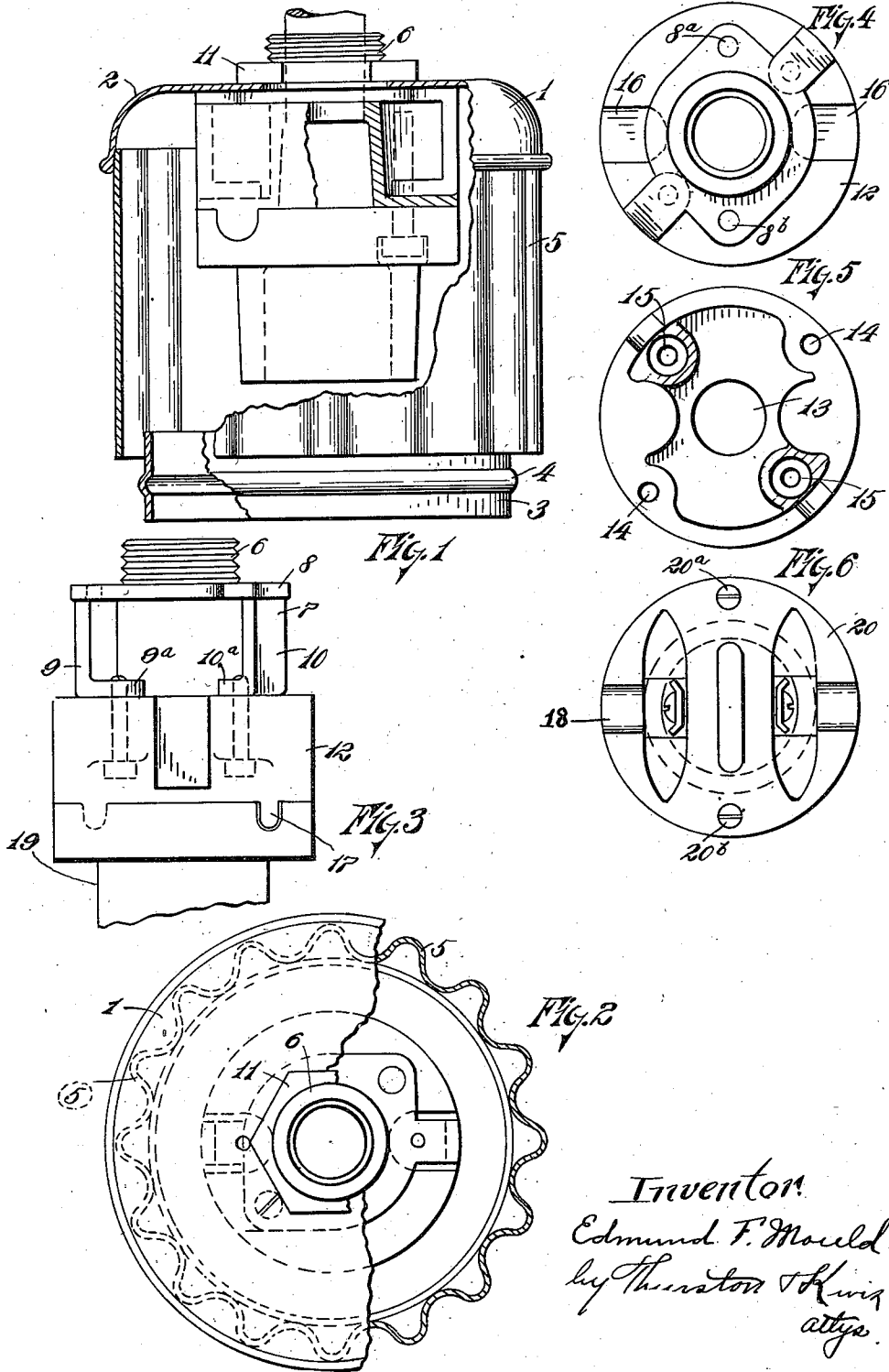


E. F. MOULD.
ELECTRIC FIXTURE.
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1,298,770.

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UNITED STATES PATENT OFFICE.

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ELECTRIC FIXTURE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDMUND F. MOULD, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Electric Fixtures, of which the following is a full, clear, and exact description.

This invention relates to electric lamp fixtures.

The object of the invention is to provide a fixture which is adapted to be secured to a wall or ceiling and support a shade. The device is so constructed that the position of the lamp with respect to the shade may be varied.

A further object of the invention is to provide a fixture which is especially adapted for use with gas filled lamps, in that the structure provides for an efficient heat radiation.

Generally speaking, the invention may be said to comprise the elements and combinations thereof set forth in the accompanying claims.

Reference should be had to the accompanying drawings forming a part of this specification, in which Figure 1 is an elevation with certain parts broken away and other parts in section of the device of my invention; Fig. 2 is a top plan view of the device with certain parts broken away; Fig. 3 is an elevation of certain parts used in the device; Fig. 4 is a top plan view of the device showing in Fig. 3; Fig. 5 is a plan view looking into one member of the device, and Fig. 6 is a plan view looking into another part of the device.

The device of this application is more particularly constructed to be used as a fixture in connection with electric lights which are secured from the ceiling of a building. The fixture forms a support for a shade, which is not shown.

Within the fixture is a lamp socket or receptacle which is adjustable so as to vary the position of the lamp with respect to the shade. The fixture is secured in the ceiling to a junction box or pipe in a manner which is well known.

Since the introduction of the gas filled electric bulbs, it has become quite important to provide for the proper radiation of the heat which is incident to the use of these lamps, and the device of this applicant,

among other things, is especially designed for this purpose.

The fixture has an outer casing which may be generally represented at 1. This fixture comprises an upper dome 2 and a lower annular ring 3. This ring is provided with a bead 4 useful in securing the shade to the fixture. Between the dome 2 and the ring 3 there extends an annular portion 5. This portion 5 is fluted or corrugated. The portion 5 with its corrugations extends within the dome 2 and is secured to the dome 2 in any suitable manner, while at the lower part of the fixture the ring 3 is secured to the corrugations in any desired manner. This construction produces a chimney-like effect when the lamp is in the socket, usually drawing air through the openings formed by the corrugations adjacent the ring 3 and discharging heated air through the corrugations within the dome 2.

At times, when the lamp is in its lowermost adjusted position, as will be later described, heated air may be discharged through the lower and upper openings of the corrugations. In any event, the construction as described provides a large surface for the radiation of heat, and, further, provides a means by which air may readily circulate around this surface in order to conduct the heat away.

Within the casing 1 the lamp supporting socket and associated parts are mounted. There is an opening in the upper or top part of the dome 2 through which extends a threaded hollow neck 6, this neck forming part of what I term a bracket 7. This bracket is shown more clearly in Fig. 3, and comprises a base 8 with depending legs 9 and 10. Each leg is provided with an inwardly extending foot portion designated at 9^a and 10^a, and in each portion 9^a and 10^a there is a screw threaded opening adapted to receive a screw, as will be later described. The neck portion 6 which extends without the dome 2 is engaged by a nut 11 which screws against the outside of the dome, while the base portion 8 of the bracket 7 lies against the inner side of the dome.

The bracket 7 coöperates with a head 12. This head is made of insulating material. The head is provided with a central opening 13 through which wire conductors passing through the neck 6 of bracket 7 may enter. The head is also provided with openings 14,

by which a lamp receptacle may be secured to the head 12 in a manner which will be later described. There are also openings 15 which extend through the top of the head for the purpose of receiving and securing the bracket 7. The head 12 also is provided with depressions 16 which are diametrically disposed and are adapted to receive the feet 9^a and 10^a and the legs 9 and 10 of the bracket 7. When in this position screws are inserted through the holes 15 and engage with openings 8^a of the bracket 7. In this manner the bracket 7 and the head 12 are secured together. Upon its under side the head 12 is provided with one or more projections 17, which are adapted to cooperate with depressions 18 formed in the lamp base with receptacle 19.

The lamp base is shown at 20, in Fig. 6. Its construction is usual, and the base is secured to the head 12 by means of screws which extend through openings 20^a and 20^b of the base 20 into the openings 14 of the head 12.

It will be obvious that any desired construction of lamp socket may be employed in connection with the head 12 and the bracket 7, that is to say, sockets of not only different construction but of different size may be substituted without departing from the spirit of this invention.

It is my purpose in constructing the fixture herein disclosed that the lamp may occupy either of two positions with respect to the shade. The one position is illustrated in Fig. 1 and is that which has just been described, viz.: with the feet of the bracket 7 occupying the depressions 16. The other adjusted position is that shown in Fig. 3, wherein the bracket 7 is secured upon the top of the head 12. This adjustment is accomplished by removing the screws which extend through the openings 8^a and 8^b in the bracket 8, and rotating the bracket 7 until the openings in the feet 9^a and 10^a are in alinement with the openings 15 in the head 12. In this position the bracket 7 may be secured to the head 12, and the parts assembled with respect to each other the same as previously described. With the parts so assembled, it will be obvious that the lamp is projected further out of the fixture 1 than is the case with the parts assembled in the manner previously described.

Having described my invention, I claim:

1. An electric light fixture, comprising a casing having a dome having a lower or skirt portion and a lower member adapted to receive a shade, and means forming tube-like passageways between the dome and the lower portion, said lower or skirt portion of the dome extending upon the outside of the said means forming tube-like passageways, and means within the casing for supporting an electric lamp.

2. An electric light fixture comprising a casing, a bracket secured within said casing said bracket being provided with feet, said head being provided with a plurality of sets of attachment places which are in different planes with respect to the top of the head whereby the head may be secured to the feet of the bracket in different relative positions.

3. An electric light fixture, comprising a casing having a dome member and a shade supporting member, an annular member secured to the dome and the shade holding member, said annular member extending upon the inside of the dome and upon the outside of the shade supporting member and spaced from the shade supporting member whereby air may circulate inside the annular member, and means within said casing for supporting an electric lamp.

4. An electric light fixture, comprising a casing, having a dome and a shade supporting member, an annular member spacing the dome and lamp supporting member, said annular member being provided with a fluted surface, the dome and shade receiving member being secured to said fluted surface thereby permitting air circulation within the annular member between the dome and shade receiving member, and means within the casing for supporting an electric lamp.

5. In an electric light fixture, comprising a casing having a dome member and a shade supporting member, an annular corrugated member secured to the dome and shade supporting member and spacing the dome with respect to the shade supporting member, said annular member extending upon the inside of the dome and upon the outside of the shade receiving member, and means within the casing adapted to support an electric light.

6. An electric light fixture, comprising a casing, a bracket secured upon the inner side of the casing, said bracket being provided with legs, a head having depressions within which the legs of the bracket normally extend, means for securing the bracket and the head together, said head also having other means to cooperate with the legs of the bracket to hold the head in a different position whereby the position of the head with respect to the casing may be adjusted.

7. An electric light fixture, comprising a casing, a bracket within the said casing, said bracket being provided with a portion which extends through the casing, means upon the outside of the casing for securing the bracket to the casing, said bracket being provided with depending legs, a head made of insulating material, said head being provided with depressions adapted to receive the legs of the bracket, said head also having other means to cooperate with the legs of the bracket to hold the head in a different position.

tion whereby the position of the head with respect to the casing may be adjusted, and a lamp base secured to the head substantially as described.

- 5 8. An electric light fixture comprising a casing having a dome member and a shade supporting member an annular member provided with a fluted surface, said annular member extending within the lower portion

of the dome and said annular member also 10 being secured to the shade supporting member whereby a circulation of air upon the inside of the fluted member is provided, and means within the casing for supporting a lamp socket. 15

In testimony whereof, I hereunto affix my signature.

EDMUND F. MOULD.