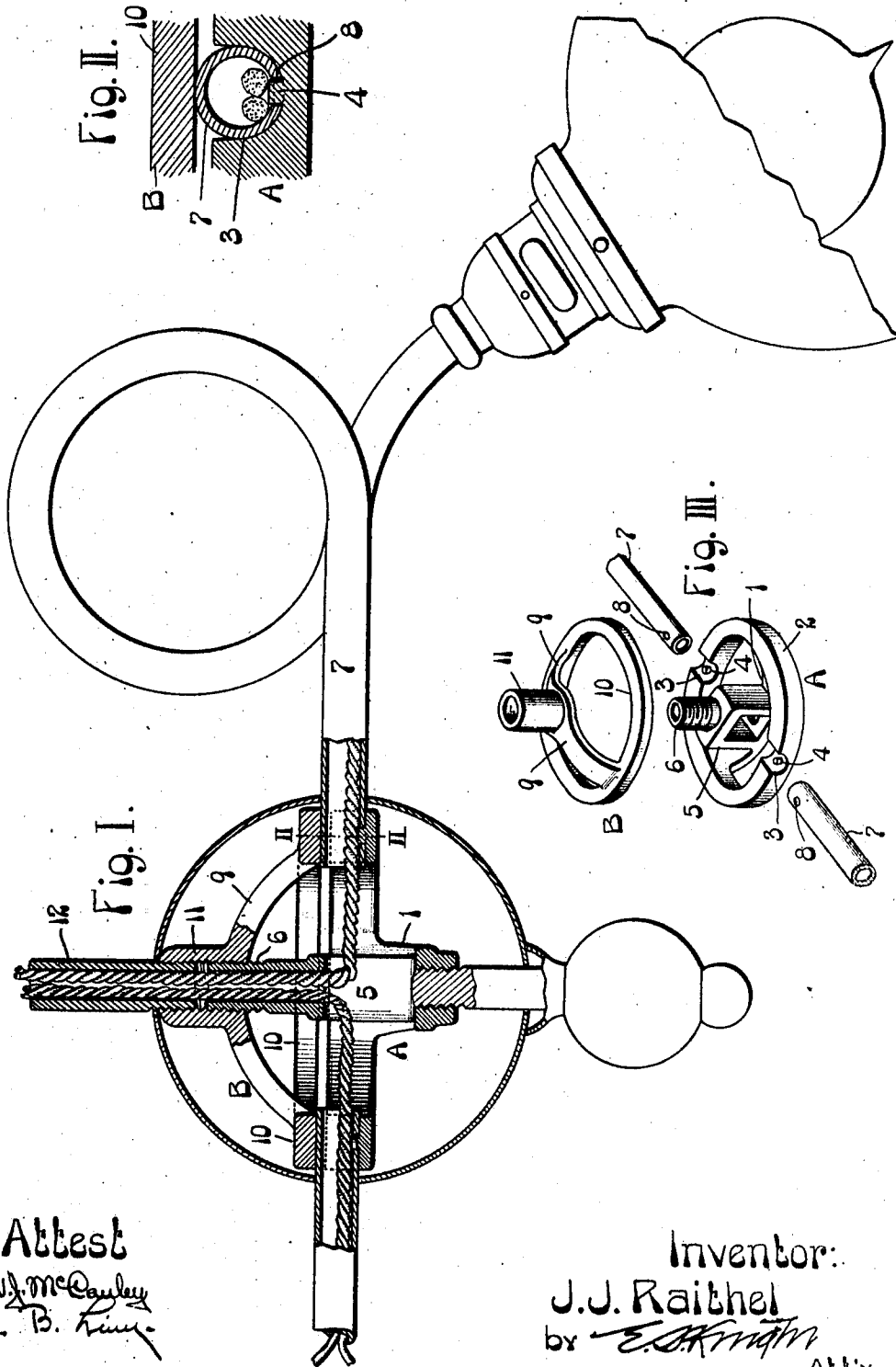


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ELECTRIC LIGHT FIXTURE.
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ELECTRIC-LIGHT FIXTURE.

989,289.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JACOB J. RAITHEL, a citizen of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Electric-Light Fixtures, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an electric light fixture, and it has for its object the production of a fixture of this description comprising a sectional body that receives the lamp supporting arms and includes structural features whereby the lamp supporting arms may be efficiently clamped in the body instead of being connected thereto by the provision of screw threads upon the lamp supporting arms, and the tapping of the body to receive the screw threaded portions of said arms.

Figure I is in part a vertical section and in part an elevation of my fixture. Fig. II is an enlarged cross section taken on the line II—II, Fig. I. Fig. III is a perspective view, on a reduced scale, of the fixture body with its members separated, and showing the inner ends of the lamp supporting arms in positions ready to be put in place within the body.

In the accompanying drawings:—A designates the fixed lower section and B the clamping rotatable upper section of the lamp supporting arm receiving body of my fixture. The fixed lower section A comprises a spider 1 and a ring 2, preferably made integral with said spider. The spider 1 is surmounted by a hollow post 5 which is in turn surmounted by a tubular neck 6 that is screw threaded exteriorly. In the ring of the lower section A are transverse grooves 3 adapted to receive the lamp supporting arms 7. These grooves may be of any desirable number, according to the number of lamp supporting arms that it may be desired to utilize in the fixture, although only two of said grooves are shown in the drawings.

4 are spurs, or studs, projecting from the ring 2 in the grooves therein, and which are adapted to enter into perforations 8 in the lamp supporting arms 7 to prevent endwise movement of said lamp supporting arms when they are seated in said grooves, as seen in Figs. I and II. The perforations just mentioned are shown at the tops of the lamp supporting arms in Fig. III, but are

so shown more particularly for the purpose of illustrating these perforations; and it will be understood that the lamp supporting arms are intended to be turned from the positions in which they are seen in Fig. III, in order that the perforations may receive the studs 4 when the arms are seated in the grooves 3.

The clamping rotatable upper section B of the fixture body comprises a spider 9, a ring 10 carried by said spider, and corresponding in diameter to the diameter of the ring of the lower section A; and said section also comprises a sleeve 11, interiorly screw threaded, and adapted to be fitted to the screw threaded neck 6 of the lower section A.

In mounting the lamp supporting arms in the sectional body of my fixture, the arms are seated in the grooves provided therefor in the body section A, with the studs 4 entered into the perforations 8 in the arms, and thereafter the section B is rotated upon the screw threaded neck 6 of the section A to cause said neck to enter into the sleeve 11 of the section B and the ring 10 of said section to approach the ring 2 of the section A. As the ring of the section B approaches the ring of the other section, it comes into contact with the lamp supporting arms, and continued rotation of said section results in the lamp supporting arms becoming clamped between the rings of the two sections, and to be movably held in their proper positions in the body of the fixture.

The upper section of the fixture body is connected to a supporting stem 12 of ordinary type, and through which the electrical contact wires extend to the neck 6 of the lower section of the body and therethrough to extend in diverging directions after entering the hollow post 5, in order that they may lead through the lamp supporting arms 7.

The fixture body is preferably incased by a sectional shell in the usual manner, and for which no invention is herein claimed.

I claim:—

1. A lamp fixture, comprising a pair of sections, each provided with a clamping ring adapted to oppose the clamping ring of the other section, the sections having screw threaded engagement with each other, and a lamp supporting arm clamped between said clamping rings.

2. In a lamp fixture body, a section comprising a ring and a screw threaded neck

centrally located relative to said ring, and a second section comprising a ring, and a screw threaded sleeve adjustable upon the neck of the first mentioned section to provide for the
5 movement of the ring of the second section toward the first section.

3. In a lamp fixture body, a section comprising a ring having transverse grooves therein and studs in said grooves, and also

comprising a screw threaded neck, and a 10 second section comprising a sleeve adjustable upon the neck of the first section, and a ring opposing the ring of said first section.

JACOB J. RAITHEL.

In the presence of—

HOWARD G. COOK,
EDNA B. LINN.