

No. 614,100.

Patented Nov. 15, 1898.

A. H. GRIFFITHS & E. T. READ.

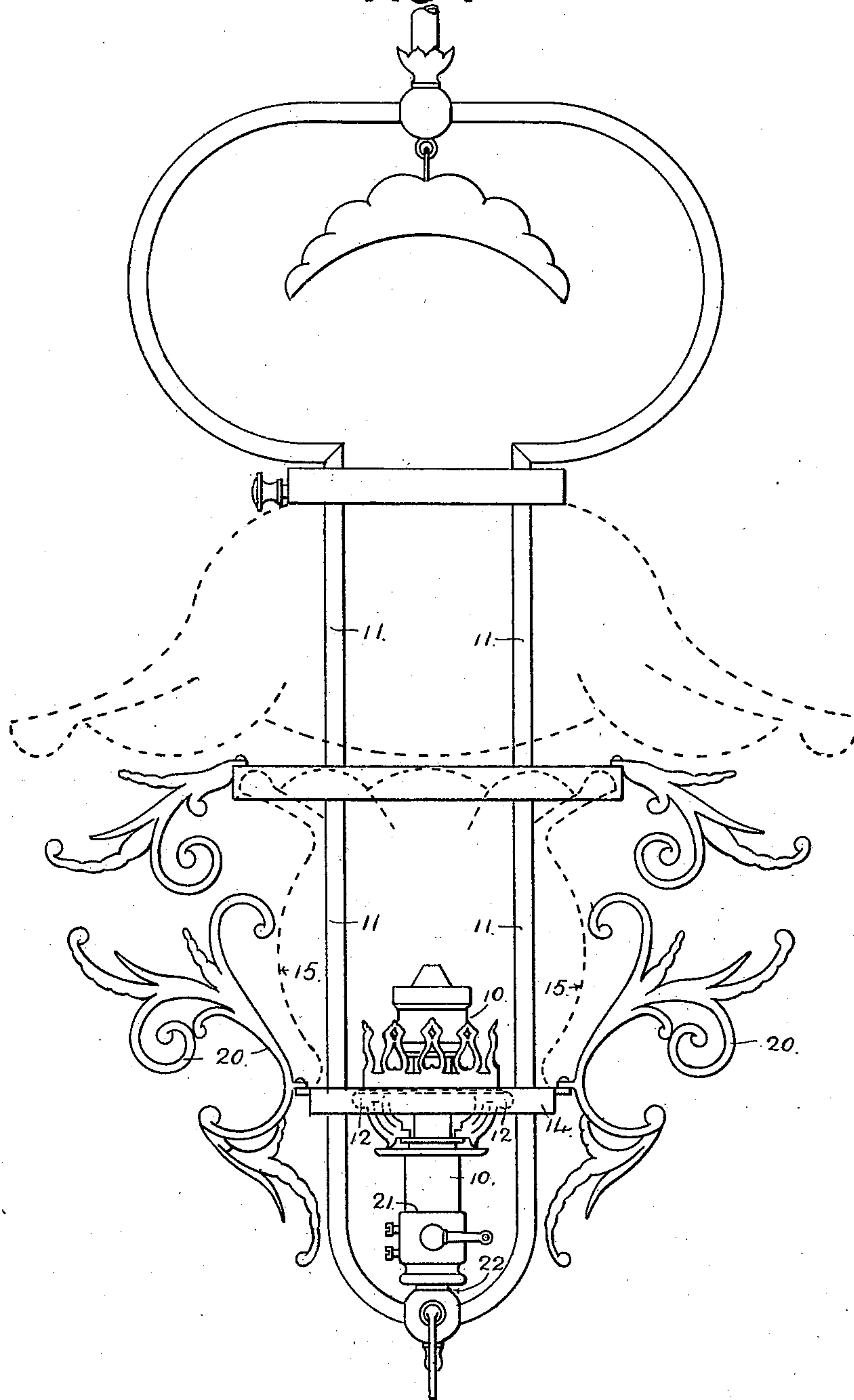
LAMP FITTING.

(Application filed Feb. 4, 1898.)

(No Model.)

2 Sheets—Sheet 1.

FIG 1



Witnesses

Ernest W. Jones
Clayward Powell

Inventors.

A. H. GRIFFITHS & E. T. READ.

PER

Charles F. Powell

ATTORNEY.

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2 Sheets—Sheet 2.

FIG 2

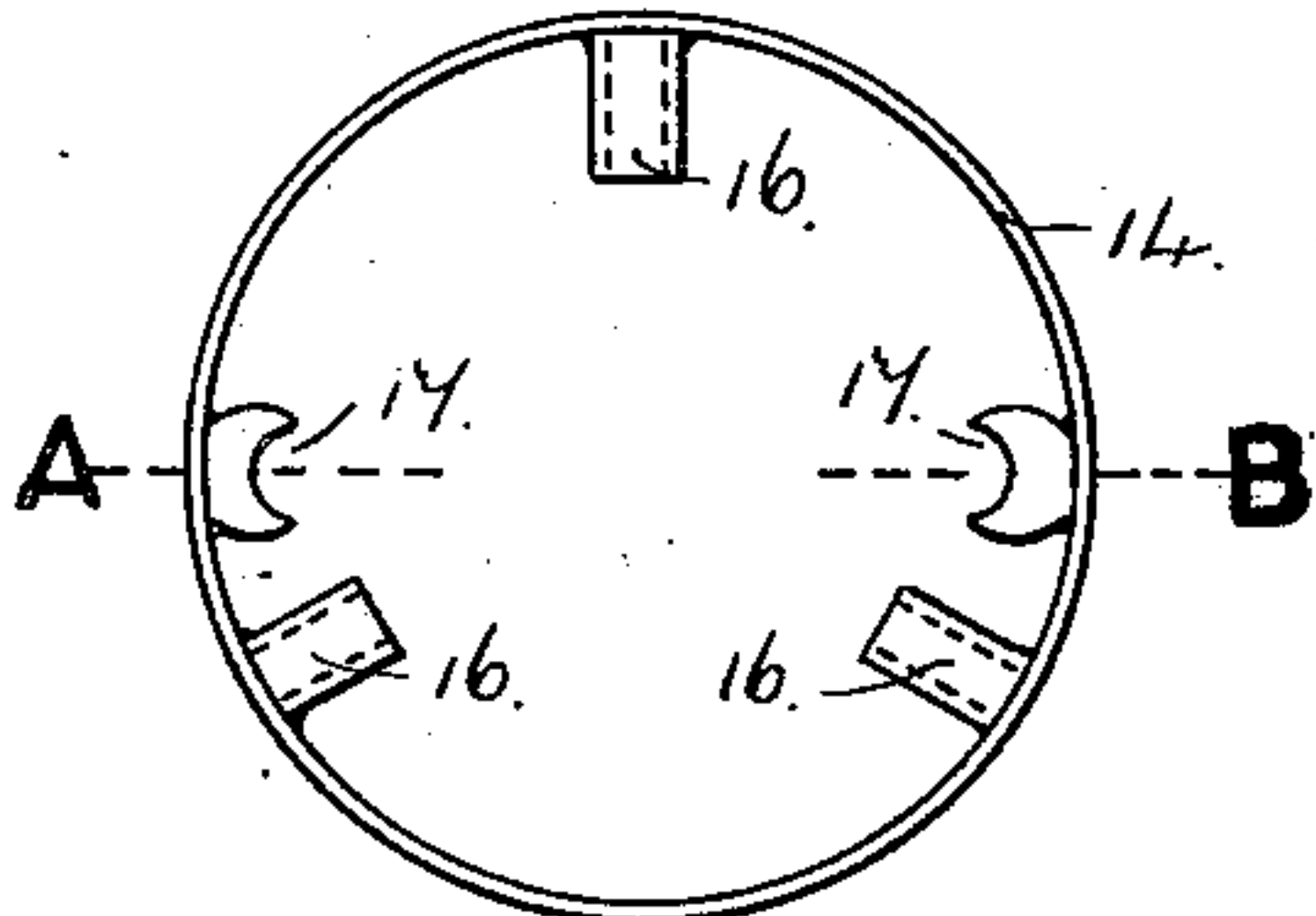


FIG 6

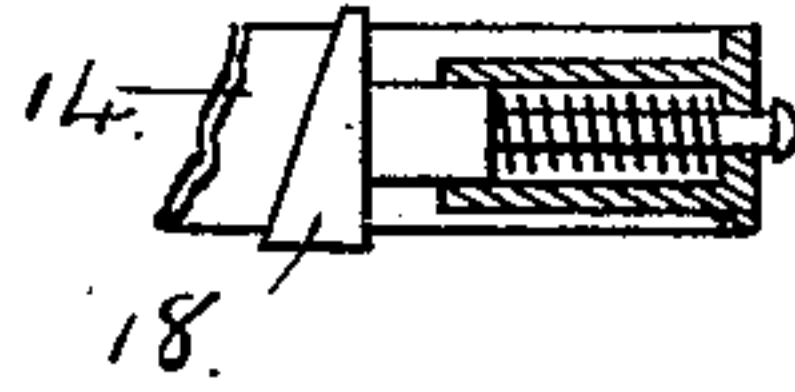


FIG 7

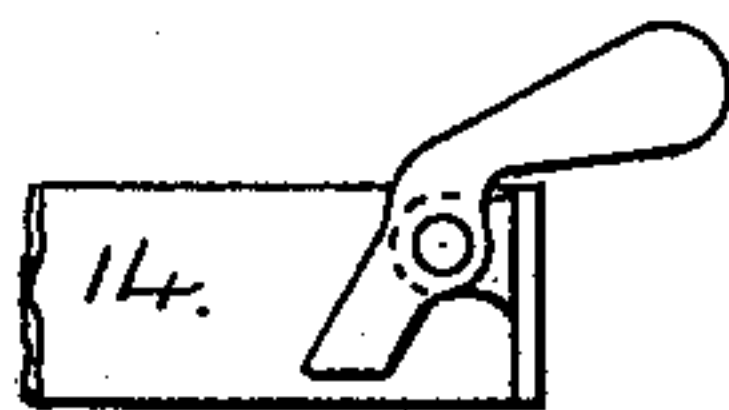


FIG 3

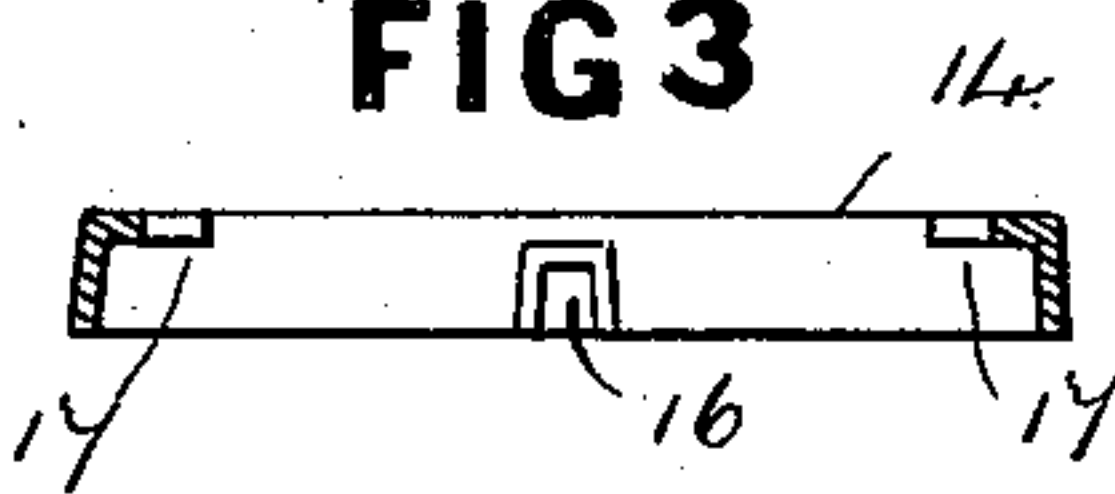


FIG 4

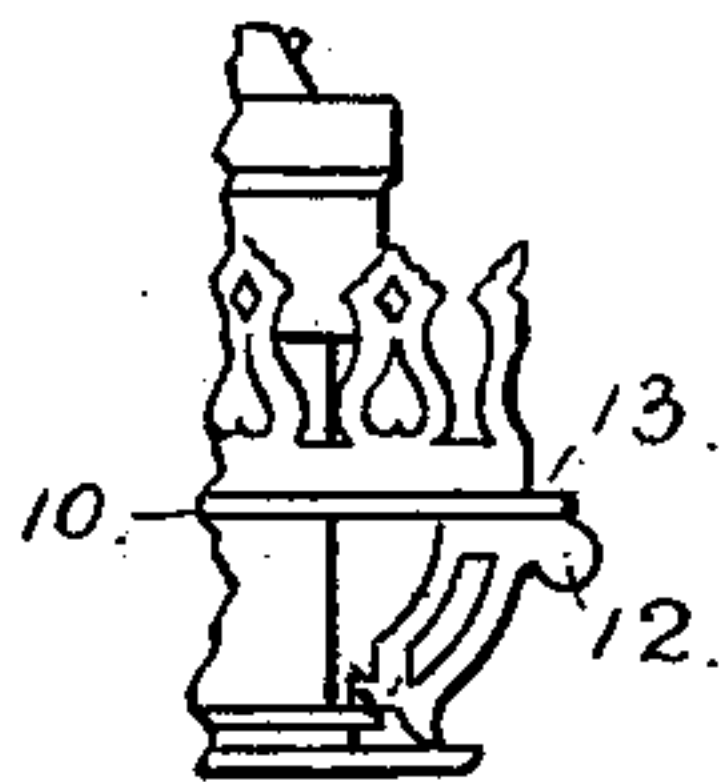


FIG 8

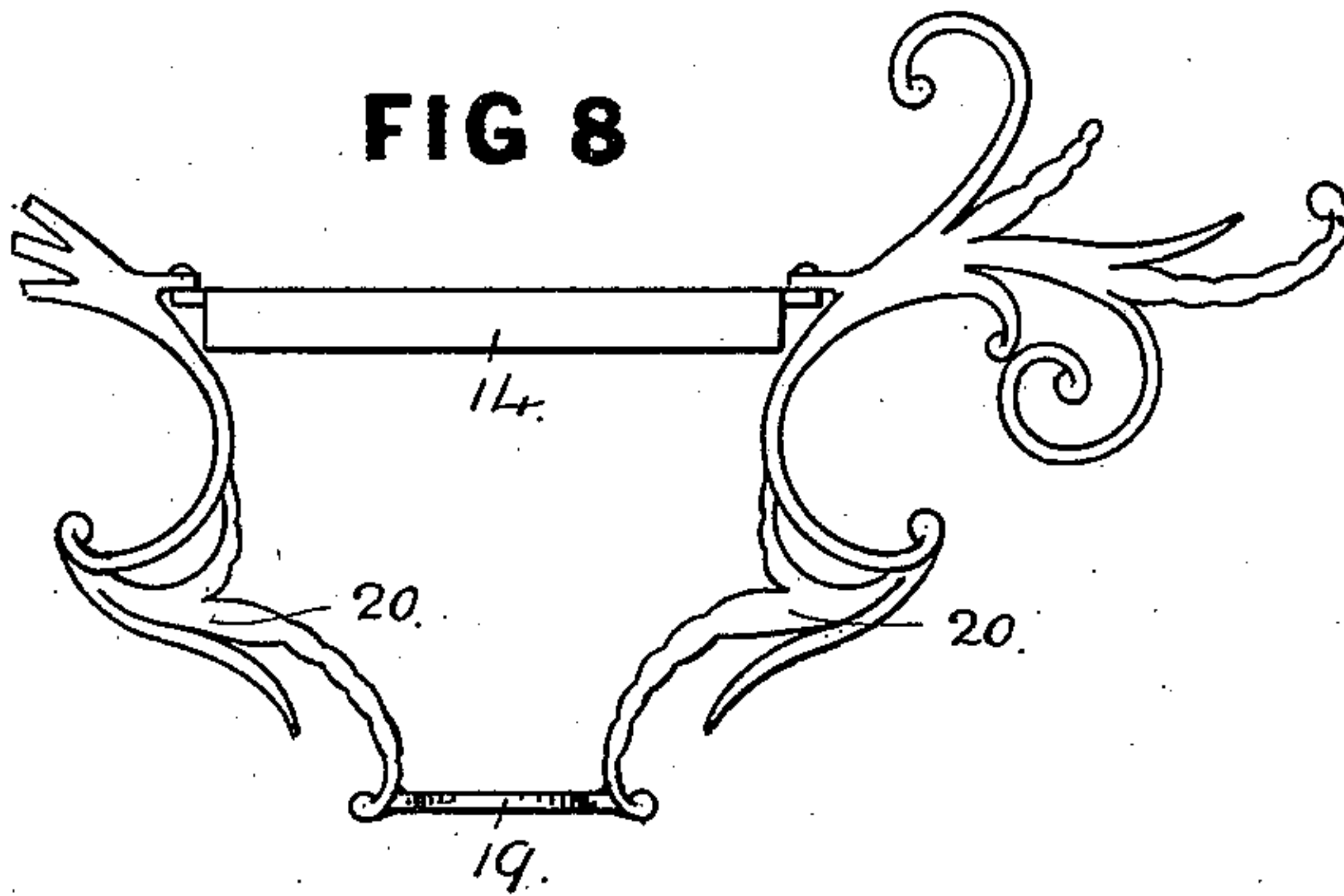
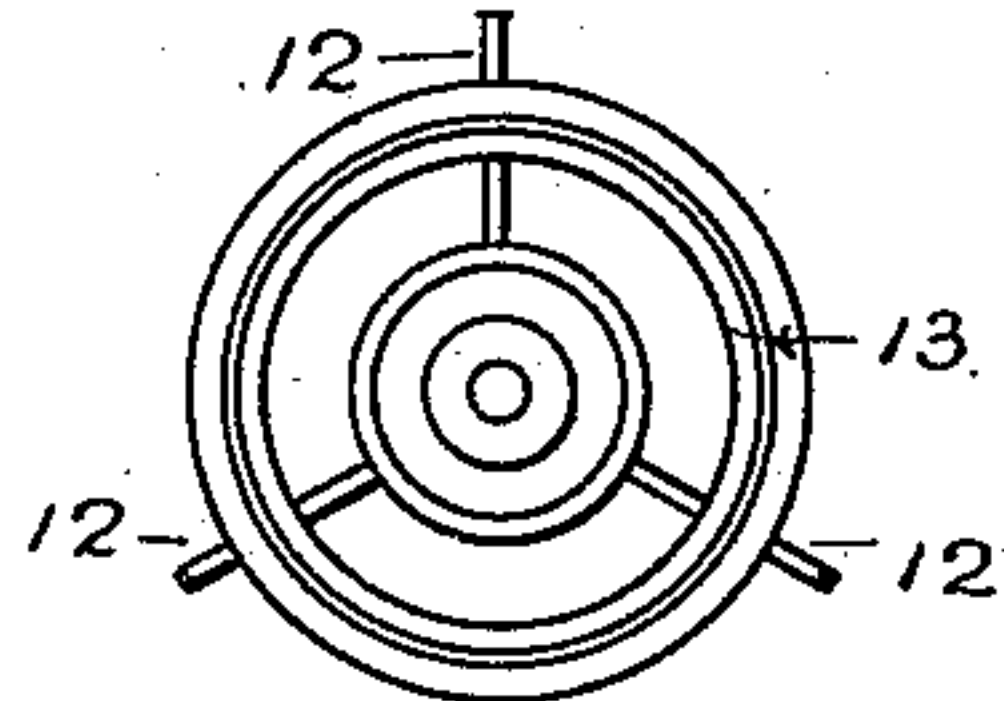


FIG 5



Witnesses

Ernest W. Jones
Charles J. Powell

Inventors.

A. H. GRIFFITHS & E. T. READ.

PER

Charles J. Powell

ATTORNEY.

UNITED STATES PATENT OFFICE.

ALFRED HENRY GRIFFITHS, OF SMETHWICK, AND EDWARD THOMAS
READ, OF HANDSWORTH, ENGLAND.

LAMP-FITTING.

SPECIFICATION forming part of Letters Patent No. 614,100, dated November 15, 1898.

Application filed February 4, 1898. Serial No. 669,133. (No model.)

To all whom it may concern:

Be it known that we, ALFRED HENRY GRIFFITHS, residing at Surrey Works, Smethwick, and EDWARD THOMAS READ, residing at 75
5 Thornhill road, Handsworth, in the county of Stafford, England, subjects of the Queen of Great Britain, have invented new and useful Improvements in Lamp-Fittings, (for which application for patent has been made
10 in Great Britain, No. 16,688, bearing date July 14, 1897, also application for patent in Germany, No. 19,943, bearing date September 25, 1897, and also application for patent in France under No. 262,134, dated January 25, 1898,) of which the following is a specification.

Our invention relates to improvements in lamp, chandelier, and the like fittings, and is chiefly intended to accommodate incandescent-light fittings; and its primary object is to
20 provide improved means whereby the screens or eye-shades for such lights may be more conveniently carried than hitherto or removed at will, also improved facilities for carrying ornamental scrolls or the like from such fittings and their burners, both of which purposes are effected without fixed attachments
25 or other interference with the down-rods or stretchers or other similar rods used in their construction. We attain these objects by the means illustrated upon the accompanying drawings, upon which—

Figure 1 gives a general view of our invention adapted to a fitting having an incandescent gas-burner. Fig. 2 is a plan view,
35 and Fig. 3 a sectional view on line A B of Fig. 2, of the supporting-ring hereinafter described. Fig. 4 is a semi-view in elevation, and Fig. 5 a plan view, of the principal part of the burner. Figs. 6 and 7 each show a modified view of
40 yielding means of supporting the ring upon the flange of the burner. Fig. 8 shows how the ring may be carried from the lower part of the burner.

Similar numbers refer to similar parts
45 throughout the several views.

Hitherto much inconvenience has been experienced in carrying the screens of these lamps having downhanging stretchers or rods by reason of their being carried or supported
50 from the rods themselves, for which purpose various forms of attachments have been fixed

upon the said rods in order to carry such screens. As will be readily seen, these contrivances are quite unsuitable for screens which may be outside the rods and in any case
55 where the support has been secured to the rods. Also attempts have been made to ornament such rods by means of scrolls carried upon them. It is therefore found desirable that the screening, either within or without
60 the rods, should be done without interference with the rods, so that they may be placed in position or removed from position without interference with the burner; also, that a more general means of ornamentation be effected
65 both above and upon and below the burner without interference with the rods.

We effect these improvements by our invention as follows:

Referring, for instance, to what are known
70 as "downhanging" lamps, as shown in Fig. 1, as is well known the burner 10 is carried at the lower end of and between two rods 11. Such burners are made with three outstanding spurs or projections 12 (see Figs. 1, 4, and
75 5) and also with a horizontal flange 13. We provide the removable ring 14, (see Figs. 1, 2, and 3,) upon which is carried the screen 15. This ring is shown to encircle the rods 11; but it will be readily seen that if the rods are
80 made wider apart for any reason then the ring may be within them. Generally when it is so made to lie within the said rods it is only used for carrying the ornamental scrolls. Upon the underside of this ring 14 (see Figs. 85 2 and 3) are three grooved projections 16, which correspond to and rest upon the three spurs 12, so that the ring is carried thereon, as seen in Fig. 1. In order to preserve a fixed relative position of the ring with the rods 11,
90 the guides 17 are used to embrace them, so that having passed the ring upward from below the fitting the burner is turned around until its spurs are directly beneath the grooved projections 16, when the ring may
95 be lowered thereon. In some cases we may carry the said ring from the flange 13 or other similar part, which may be done by making the projections 16 or similar projections sufficiently long to reach and rest upon the said
100 flange. In such cases, where it is required that the ring shall be passed upward from below the

burner, one at least of such projections must be made to move out of the way of the flange in order to pass over it. This may be done, as seen in Fig. 6, by means of the spring-back bolt 18, which takes the place of one or more of the projections 16, or one or more of the projections may be substituted by the lever device shown in Fig. 7, which may be similarly moved out of the way to pass the flange 13 and then brought back into its proper position to rest upon the flange. Screw-pins may be used, if desired. We may also carry the ring 14 by means of a lower collar 19, (see Fig. 8,) the ornamental scrolls 20 serving to connect it with the ring 14, in addition to their ornamental service. The collar 19 may be made to rest upon the shoulder 21 of the burner, or it may be screwed between the burner and the frame at 22.

It will now be readily seen that upon the ring 14 we may most conveniently carry ornamental parts or scrolls, such as 20, and particularly does this enable us to ornament those parts which have hitherto received little or no ornamentation, such as immediately about or below the burner, and such orna-

ments are thus carried without any difficulty of fixing or interference with the necessary attention to the light—such as cleaning, lighting, &c.—and at the same time leaving the rods 11 quite free.

What we claim, and desire to secure by Letters Patent, is—

1. The combination with the burner 10, having spurs 12, of the supporting-ring 14, whose uppersurface is adapted to receive the screen 15, such ring having the projecting carriers 16, and ornamental scrolls 20, substantially as set forth and shown, and for the purposes specified.

2. The combination with the ring 14, removably carried upon the spurs 12, of the burner 10, and having the ornaments 20, with the rods 11, and guides 17, as set forth and shown, and for the purposes specified.

In witness whereof we have hereunto set our hands in presence of two witnesses.

ALFRED HENRY GRIFFITHS.

EDWARD THOMAS READ.

Witnesses:

C. HAYWARD POWELL,
ERNEST W. JONES.