

No. 692,449.

Patented Feb. 4, 1902.

S. JOSEPH.
CLUSTER INCANDESCENT GAS LAMP.

(Application filed Nov. 2, 1901.)

(No Model.)

Fig. 1.

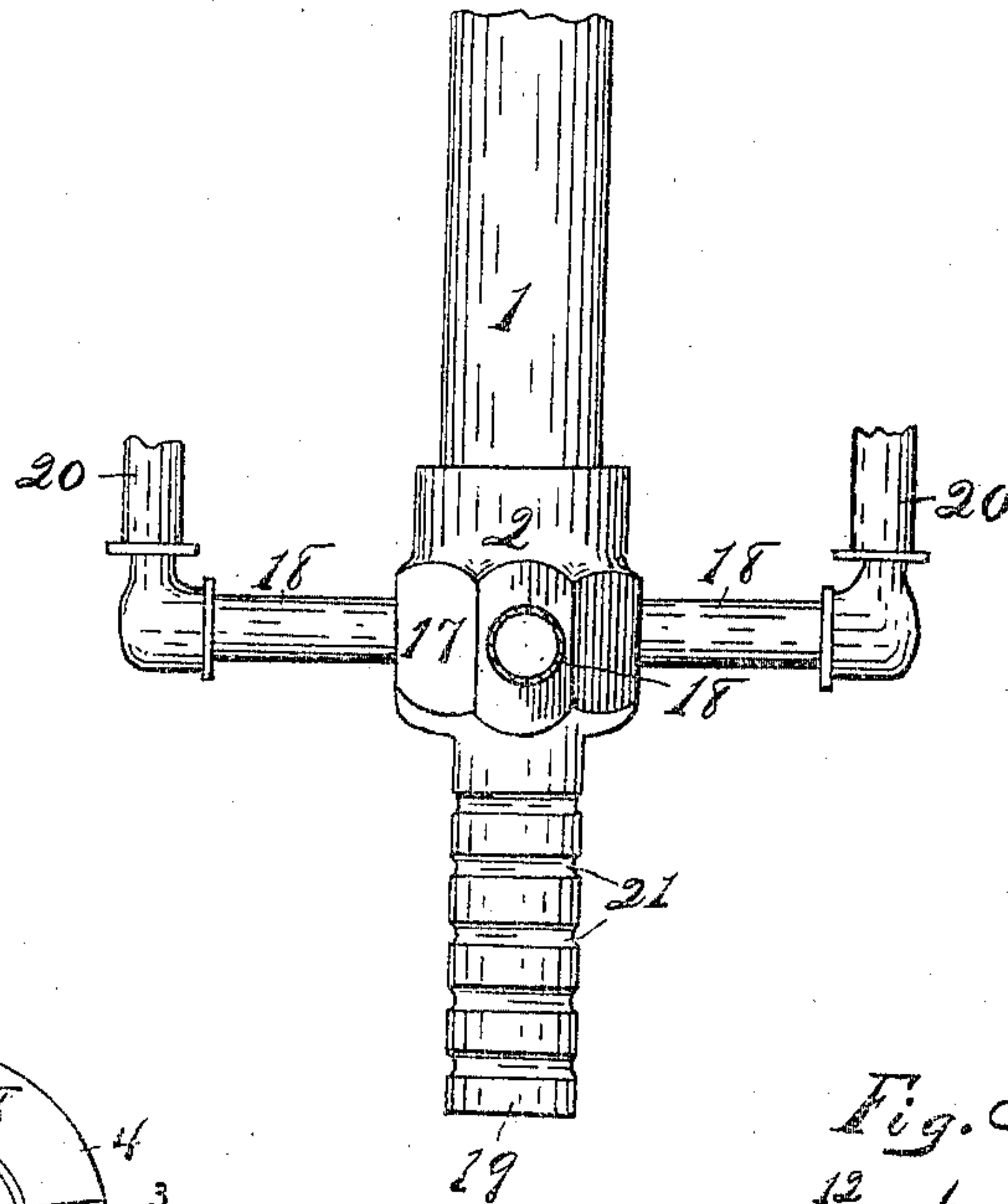
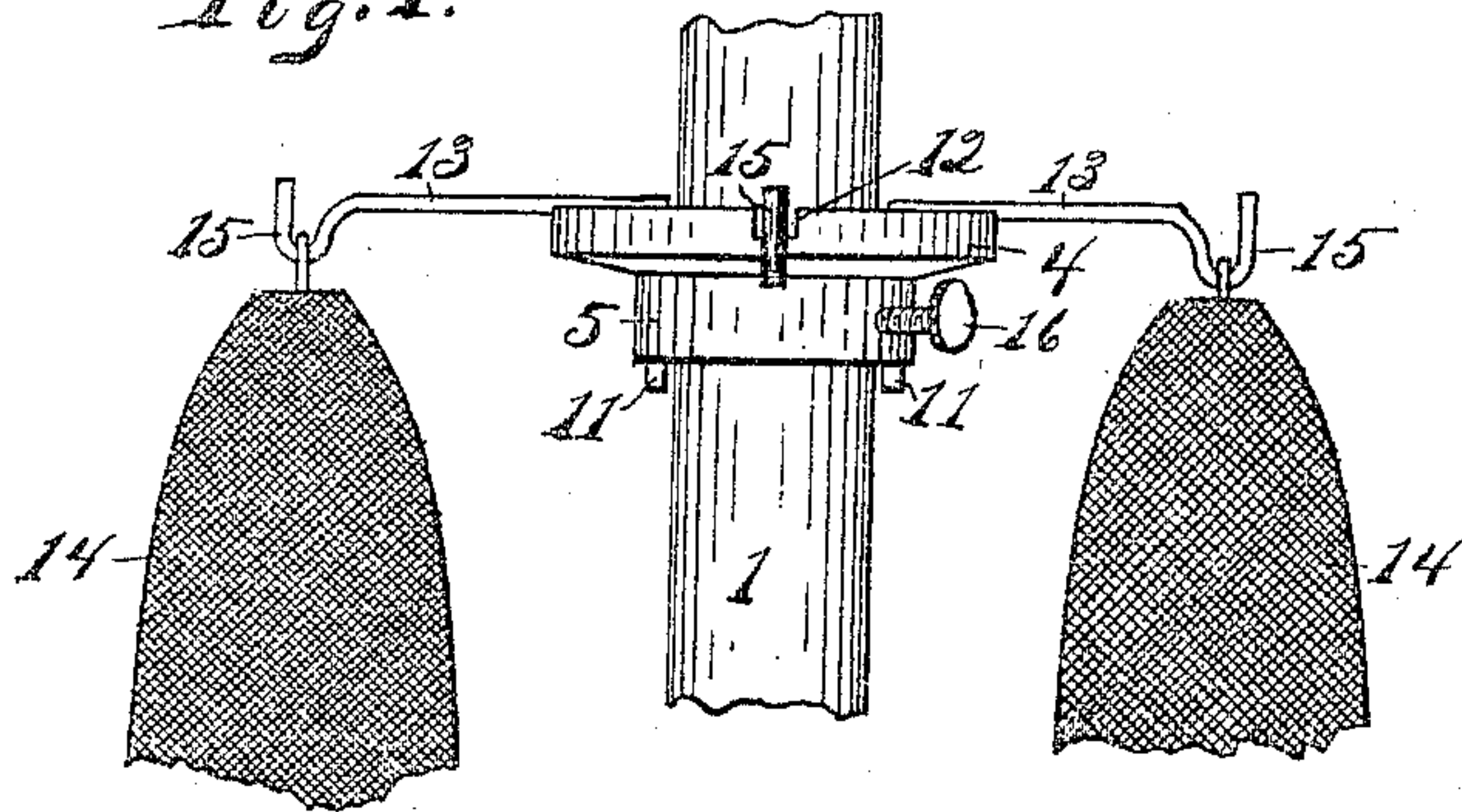


Fig. 2

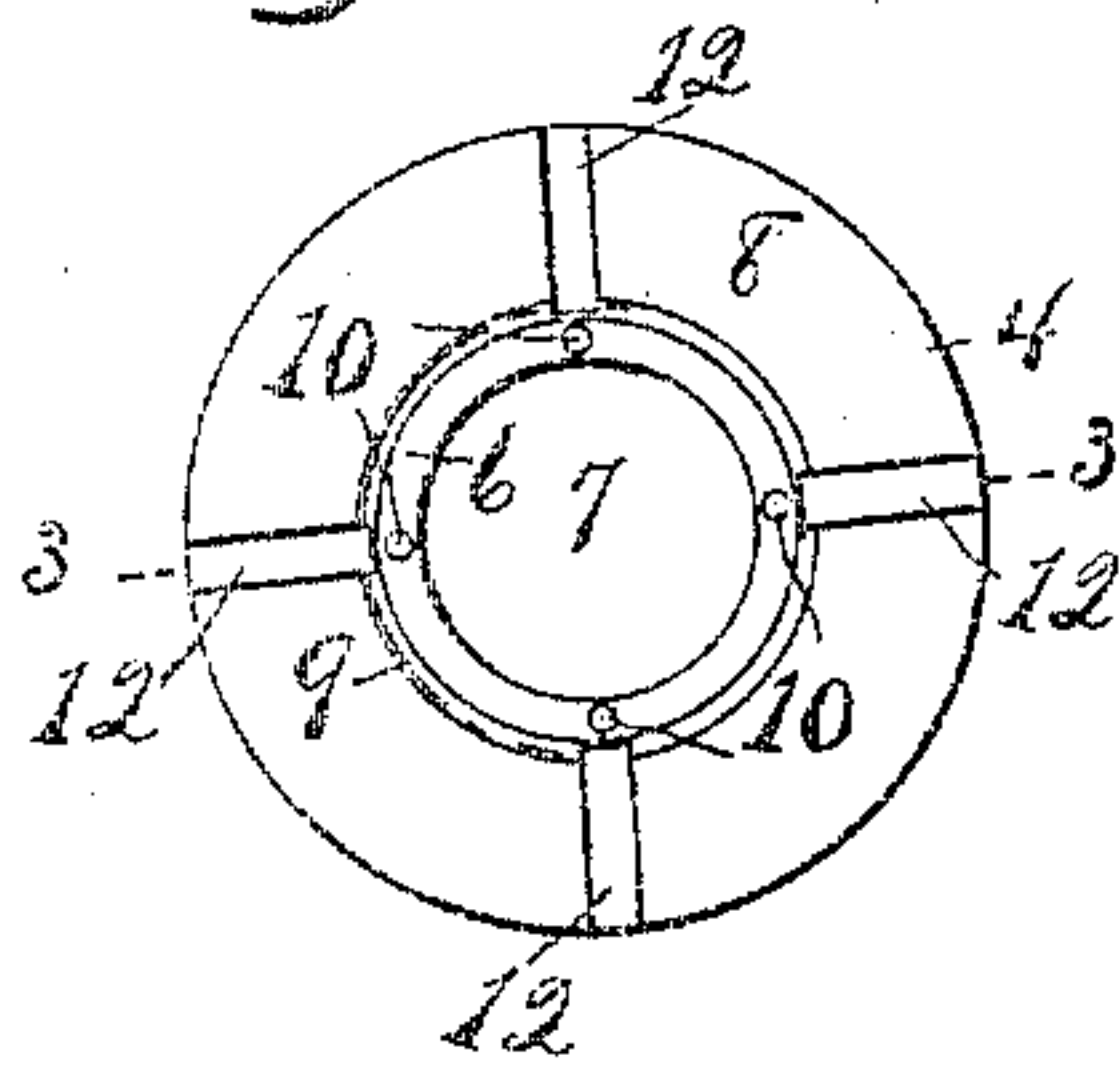
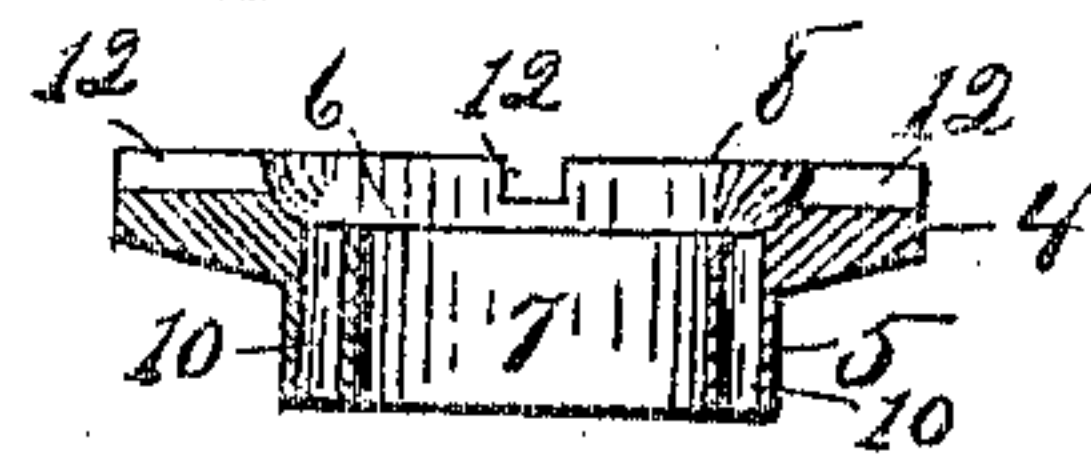


Fig. 3



WITNESSES:

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CLUSTER INCANDESCENT GAS-LAMP.

SPECIFICATION forming part of Letters Patent No. 692,449, dated February 4, 1902.

Application filed November 2, 1901. Serial No. 80,840. (No model.)

To all whom it may concern:

Be it known that I, SHELDON JOSEPH, a citizen of the United States of America, and a resident of Wheeling, county of Ohio, and State of West Virginia, have invented certain new and useful Improvements in Cluster Incandescent Gas-Lamps, of which the following is a specification.

My invention relates to certain new and useful improvements in cluster incandescent gas-lamps, and more particularly to improvements in mantle-supporting devices for cluster incandescent gas-lamps and to burner-brackets especially adapted to cluster incandescent gas-lamps; and it consists in certain novel features of construction, which will hereinafter be fully described, and specifically pointed out in the appended claims.

The chief-object of my invention is to provide mantle-supporting means for cluster incandescent gas-lamps, consisting of a collar and wire mantle-supports, said collar provided with means whereby the said mantle-supports are firmly seated and secured against lateral movement, thus holding the mantles in fixed positions with relation to the lamp.

With this and other objects in view my invention consists in the peculiar construction to be hereinafter set forth, reference being had to the accompanying drawings, forming a part of this specification, and wherein—

Figure 1 is a broken section of a portion of a cluster incandescent gas-lamp to which my invention is applied. Fig. 2 is a top plan view of the collar. Fig. 3 is a cross-section of the same on the line 3 3, Fig. 2.

Like reference-numerals designate similar parts throughout the several views.

In the drawings, 1 is the lamp-stem, to which is secured the burner-bracket 2 and on which the mantle-supporting collar is secured at a suitable point above said bracket. The collar consists of a plate 4, having an integral shank 5. An annular channel 6 is provided in the upper face 8 of the plate 4 about the central opening 7, the wall 9 of which recedes, substantially as shown, from the edge of said channel 6 to the upper face 8. Extending vertically downward into or through

the shank 5 of the collar from said channel 6 is a plurality of holes 10, in which the vertical portion 11 of the mantle-supporting wires are seated.

In the upper face 8 of the collar I provide a plurality of radial channels or grooves 12, the inner ends of which register as to position with the points at which the holes 10 are located, said channels or grooves 12 being adapted to hold the horizontal portions 13 of said wires when seated or lying therein against lateral movement. By this construction the mantles 14, supported by hooks 15 on the outer ends of the wires which lie in the grooves 12, are securely held in position. The collar is held in position on the stem 1 by means of a set-screw 16.

The burner-bracket is adapted for screwing on the stem 1 and consists of a head 17, having integral supply-arms 18 and an integral shank 19, said supply-arms being made integral with the head, so as to obviate the objection to screwed supply-arms, which objection is occasioned by the turning of the arms in the head and a consequent breakage of the mantles 14 suspended thereover by the upright arms 20 coming into contact with said mantles.

The shank 19 is provided with a plurality of annular grooves 21, in which the point of the set-screw which holds the globe-holder in position thereon is adapted to be seated. The globe-holder being of the usual construction is not shown in the drawings.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a cluster incandescent gas-lamp, the combination with the stem, of a collar surrounding the same and having an annular channel about its central opening, and having vertical holes extending from said channel through the shank thereof, and radial grooves in the face thereof, the inner ends of said grooves registering as to position with the said vertical holes, substantially as and for the purposes set forth and described.

2. In a cluster incandescent gas-lamp, the combination with the stem, of a collar sur-

rounding the same and having a shank there-
on and provided with an annular groove
about its central opening, said collar having
vertical holes extending from said channel
5 into said shank, the upper face of said collar
having radial grooves therein, mantle-sup-
porting wires having vertical portions adapted
to be seated in said vertical holes and hori-

zontal portions adapted to lie within said ra-
dial grooves, substantially as specified. 10

Signed by me at Wheeling, West Virginia,
this 2d day of September, 1901.

SHELDON JOSEPH.

Witnesses:

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