

No. 732,928.

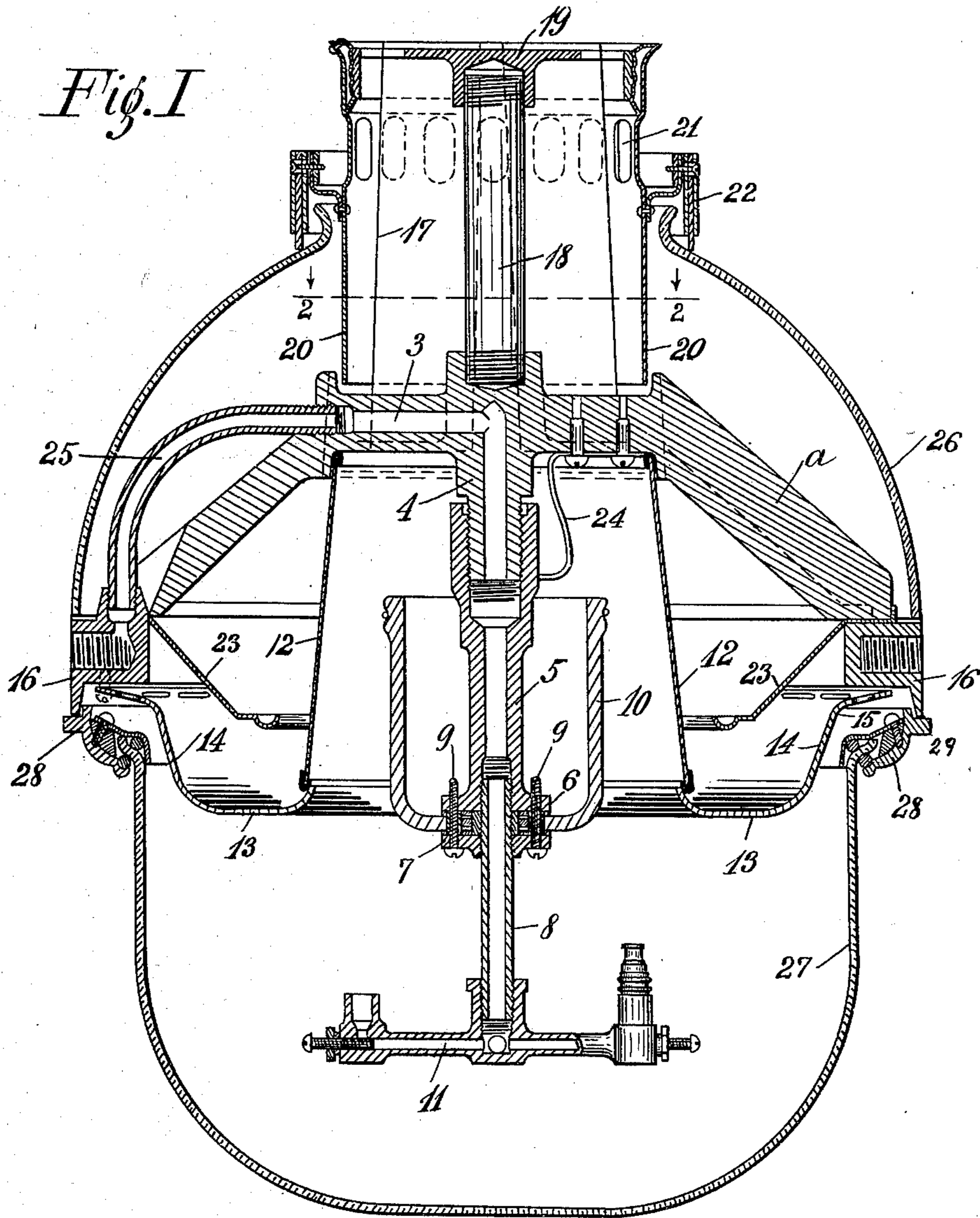
PATENTED JULY 7, 1903.

R. M. DIXON.  
GAS LAMP.

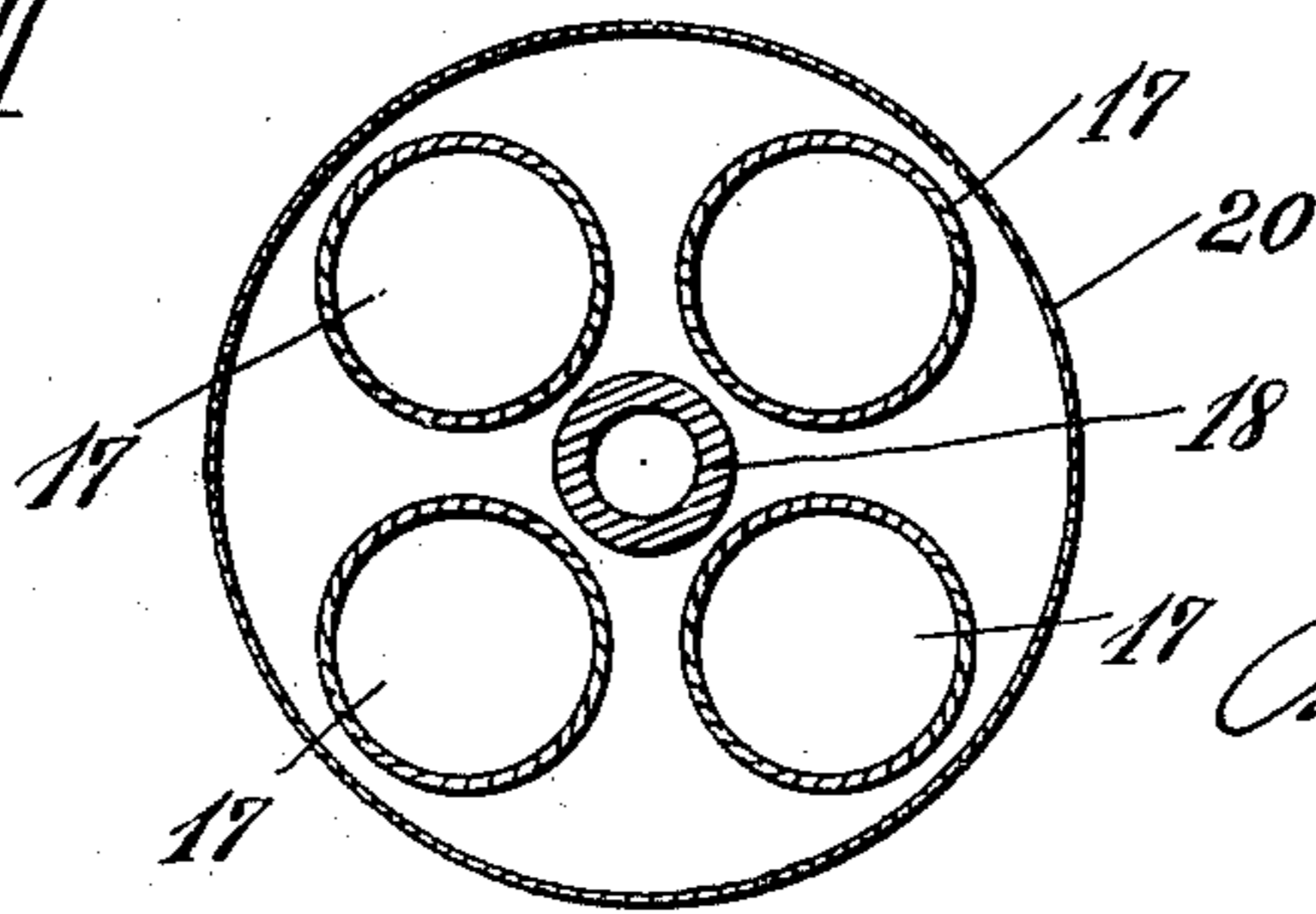
APPLICATION FILED FEB. 21, 1903.

NO MODEL.

*Fig. I*



*Fig. II*



Witnesses.  
*Frank Koenigsberg*  
*Conrad Koenigsberg*

By *his* Attorney

*Robert M. Dixon*  
Inventor  
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# UNITED STATES PATENT OFFICE.

ROBERT M. DIXON, OF EAST ORANGE, NEW JERSEY.

## GAS-LAMP.

SPECIFICATION forming part of Letters Patent No. 732,928, dated July 7, 1903.

Application filed February 21, 1903. Serial No. 144,424. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT M. DIXON, a citizen of the United States, residing at East Orange, Essex county, and State of New Jersey, have invented certain new and useful Improvements in Gas-Lamps, of which the following is a specification.

My invention relates to improvements in gas-lamps, and has for its particular object to improve the construction shown in United States Letters Patent No. 373,057, granted November 15, 1887, to the Pintsch Lighting Company, of New York city, New York, as assignee of all my right, title, and interest.

In the accompanying drawings I have shown a lamp in which one form of my invention is embodied.

In the drawings, Figure I shows a vertical section of the lamp; and Fig. II, a horizontal section on the line 2 2 of Fig. I, showing the arrangement of the flues.

In the drawings, *a* indicates the main frame of the lamp in the form of a spider, within which is cored or otherwise produced a gasway 3, terminating in the downwardly-projecting nipple 4. From the downwardly-projecting nipple 4 an extension-pillar 5 extends, having a flange 6. A flange 7, fitted upon a cluster-stem 8, is connected by screws 9 with the flange 6, and an inverted-cup-shaped reflector 10 is embraced between the said flanges, and thereby held in place. The cluster-stem 8 supports a cluster 11. Located above the cluster is a mica chimney 12, whose upper end fits in a recess of the main frame or spider *a* and which is supported by a ring reflector or partition 13, having an upwardly-extending portion 14 and an apertured outwardly-extending portion 15, suitably secured to a support-ring 16, supported from the spider or main frame *a*. A series of flues 17 are supported above the mica chimney, and a post 18 rising from the spider supports a top piece 19 for the flues, which top piece for the flues supports a downwardly-projecting casing 20, apertured at 21 and supporting a crown 22.

Located above the ring-shaped reflector 13 is a suitable diaphragm 23, which is dished downwardly and closely surrounds the mica chimney 12.

A suitable lock 24 is provided, which lock is secured to the spider at its upper end and

serves to prevent the extension-pillar 5 from rotating.

Gas is brought to the lamp through a gas-pipe 25, which communicates with the gasway 3 in the spider. A suitable dome 26 is supported from the support-ring, and a suitable globe 27 is supported by its upper edge from a bezel 28, which receives its support from the support-ring, a spun ring 29 holding the edge of the globe in place.

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

1. In a lamp the combination of a spider, a ring-reflector 13, a diaphragm of annular form extending inwardly and downwardly, a translucent chimney 12 located within the annular diaphragm, a reflector 10 located within the chimney and a cluster-burner located below the reflector substantially as described.

2. In a lamp the combination of a cluster of burners, an inverted-cup-shaped reflector 10, a translucent chimney 12, a ring-reflector 13, an annular diaphragm 23 surrounding the said translucent chimney and extending downwardly and inwardly toward the same and a plurality of flues located above the translucent chimney.

3. In a lamp the combination of a spider *a* having a gasway therein, a burner-supporting tube depending from the said spider and communicating with the said gasway, a reflector 13 extending transversely of the lamp before the spider *a*, a translucent chimney 12 intervening between the spider and the reflector, a cup-reflector 10 carried by the tube by which the burners are carried located within the translucent chimney 12, a downwardly-extending diaphragm 23 encircling the chimney 12, a set of draft-tubes located above and supported by the spider and a translucent dome 26 surrounding the said spider and extending above the same, and a globe surrounding the burner whereby the burner and reflecting-surfaces and the draft-producing devices are completely enveloped in a translucent receptacle comprised by the globe and dome.

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Witnesses:

F. E. KESSINGER,  
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