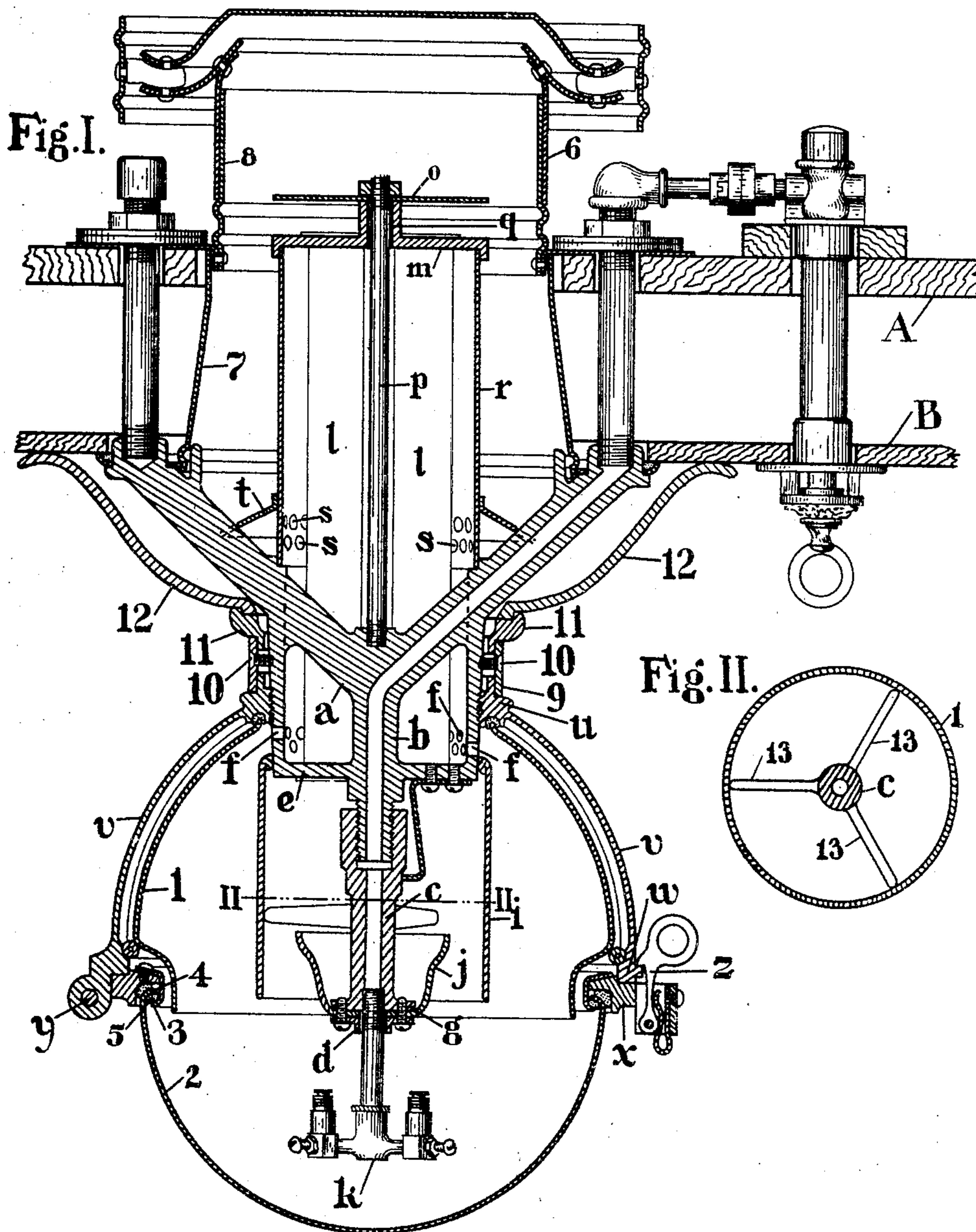


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PATENTED NOV. 7, 1905.

R. M. DIXON.
LAMP.

APPLICATION FILED JUNE 15, 1903.



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LAMP.

No. 803,884.

Specification of Letters Patent.

Patented Nov. 7, 1905.

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To all whom it may concern:

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

My invention relates mainly to lamps specially adapted for use in railway-cars and is herein shown as a deck-lamp, although the invention may be embodied in other forms of lamps.

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

In the drawings the lamp is shown as being of the Pintsch cluster type.

In the drawings, Figure I is a vertical section of a lamp in which my invention is embodied, and Fig. II is a section through parts of the lamp on line 2 2 of Fig. I.

In the drawings, *a* indicates the body-casting of the lamp, provided with a downwardly-extending sleeve or casing *c*, circumferentially apertured, as at *f*, for the passage of air. A gas-conducting tube *b* extends through the body-casting and is shown as forming an integral part thereof. Suspended from the gas-conducting tube is a gasway-tube *e*, having a reflector-flange *g*. A suitable cup-shape reflector *j* is supported by the reflector-flange *g* and is held in place by a plate *d*, suitably screwed or otherwise fastened to the reflector-flange. A cluster-burner *k* is supported below the cup-shape reflector *j*. By "cup-shape" reflector I mean any form of reflector of a general cup shape which is adapted to reflect light in a downward or lateral direction.

Suspended from the body-casting *a* is a casing-reflector *i*, which begins at a point slightly below the apertures *f*. The cup-shape reflector is preferably located within the lower portion of the reflector or casing *i*. A series of flues *l* are arranged within the body-casting and extend upward through the lamp, one flue being preferably located above each of the burners of the cluster and being adapted to carry off the products of combustion. These flues are surrounded at their lower ends by the casing or reflector *i* and are seated at their upper ends in a top piece *m*. A deflector-plate *o* is located above the flues or chimneys *l* and is supported by a flue-post *p*, seat-

ed at its lower end in the body-casting *a* and passing through a sleeve *q*, integral with the top piece *m*.

The flues are surrounded at their upper ends by the casing or flue-cover *r*, apertured at or near its lower end with apertures *s*, which are protected by a flaring deflector or cinder-cap *t*. Screwed upon the lower tubular portion of the body-casting is a suitable support-ring *u*, from which extend arms *v*, supporting the top member *w* of a bezel or support ring whose lower member *x* is hinged to the upper member at *y* and is provided with a suitable catch *z*. A dome 1 and a globe 2 are supported by these rings or members. The lower ring *x* is a bezel-ring and is provided with a globe-supporting ring 3, attached thereto by screws or otherwise, the inwardly-extending lip 4 of the globe being supported by the globe-supporting ring, there being preferably an asbestos or other non-conducting ring interposed between the lip of the globe and the globe-supporting ring.

When the lamp is in the form of a deck-lamp, as shown herein, a suitable ventilator 6 is provided outside of the car, and a frusto-conical thimble 7 extends between the decks A and B of the car-roof and delivers into the roof-thimble 8.

Supported by the support-ring *u* is a spacing-ring 9, held from movement by screws passing therethrough and tapped into the body-casting. A crown-ring 11 is supported by the ring 10, which crown-ring in turn supports another crown-ring or other ornamental piece 12. The reflector or casing *i* is centered and steadied by arms 13, which are preferably radial integral projections from the gasway tube *e*.

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

1. In a lamp, the combination of a series of independent elongated flues or chimneys, a tubular casing located below the said chimneys and adapted to deliver products of combustion thereto, and a burner device located below the said chimneys and delivering products of combustion into the casing.

2. In a lamp, the combination of a series of independent elongated flues or chimneys, a tubular casing located below the said chimneys and adapted to deliver products of combustion thereto, a burner device located be-

low the said chimneys and delivering products of combustion into the casing *i*, and a cup-shape reflector located below the chimneys and within the periphery of the casing.

5 3. In a lamp, the combination of a series of flues or chimneys, a casing located below the said chimneys and adapted to deliver products of combustion thereto and an inverted-cup-shape reflector located within the said
10 casing at a sufficient distance below the flues to leave a considerable free unobstructed space between the top of the reflector and the lower ends of the flues.

4. In a lamp, the combination of a ring or
15 bezel *x*, a clamping-ring 3 having an out-turned lip located within the said ring or bezel *x* and a globe 2 having an inturned lip adapted to be held between the outturned lip of the ring 3 and the ring or bezel *x* substan-
20 tially as and for the purposes described.

5. In a lamp, the combination of a main frame or support, a gasway suspended therefrom, a burner suspended from the gasway, a plurality of elongated flues or chimneys
25 supported by the main frame or support and located above the burner, a casing intervening between the burner-cluster and the draft tubes or flues, and a translucent inclosure for the burner and casing, the space within the
30 translucent inclosure around the burner and the casing being entirely unobstructed.

6. In a lamp, the combination of a body-casting having its lower portion of substan-
35 tially tubular form and externally screw-threaded and an internally-screw-threaded

annular support *u* surrounding and screwed over the said body-casting and provided with depending supporting-arms for a globe.

7. In a lamp, the combination of a series of independent elongated flues or chimneys, 40 a reflector *i* located below the said chimneys and adapted to deliver products of combustion thereto, a cluster of burners located below the said chimneys and delivering their products of combustion into the reflector *i*. 45

8. In a lamp, the combination of draft-producing means, a tubular casing below the draft-producing means, a cup-shaped reflector coöperating with the said tubular casing and a burner below the tubular casing and a trans- 50 lucent inclosure inclosing the burner, reflector and casing, the space within the translucent inclosure around the burner, reflector and casing being entirely unobstructed.

9. In a lamp, the combination of a series 55 of independent elongated flues or chimneys, a tubular casing located below the said flues or chimneys and adapted to deliver products of combustion thereto, a burner device located below the said chimneys and delivering prod- 60 ucts of combustion into the casing and a cup-shaped reflector located below the chimneys and a translucent inclosure for the casing, cup-shaped reflector and burner device, the space within the translucent inclosure around 65 the casing being entirely unobstructed.

ROBERT M. DIXON.

Witnesses:

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