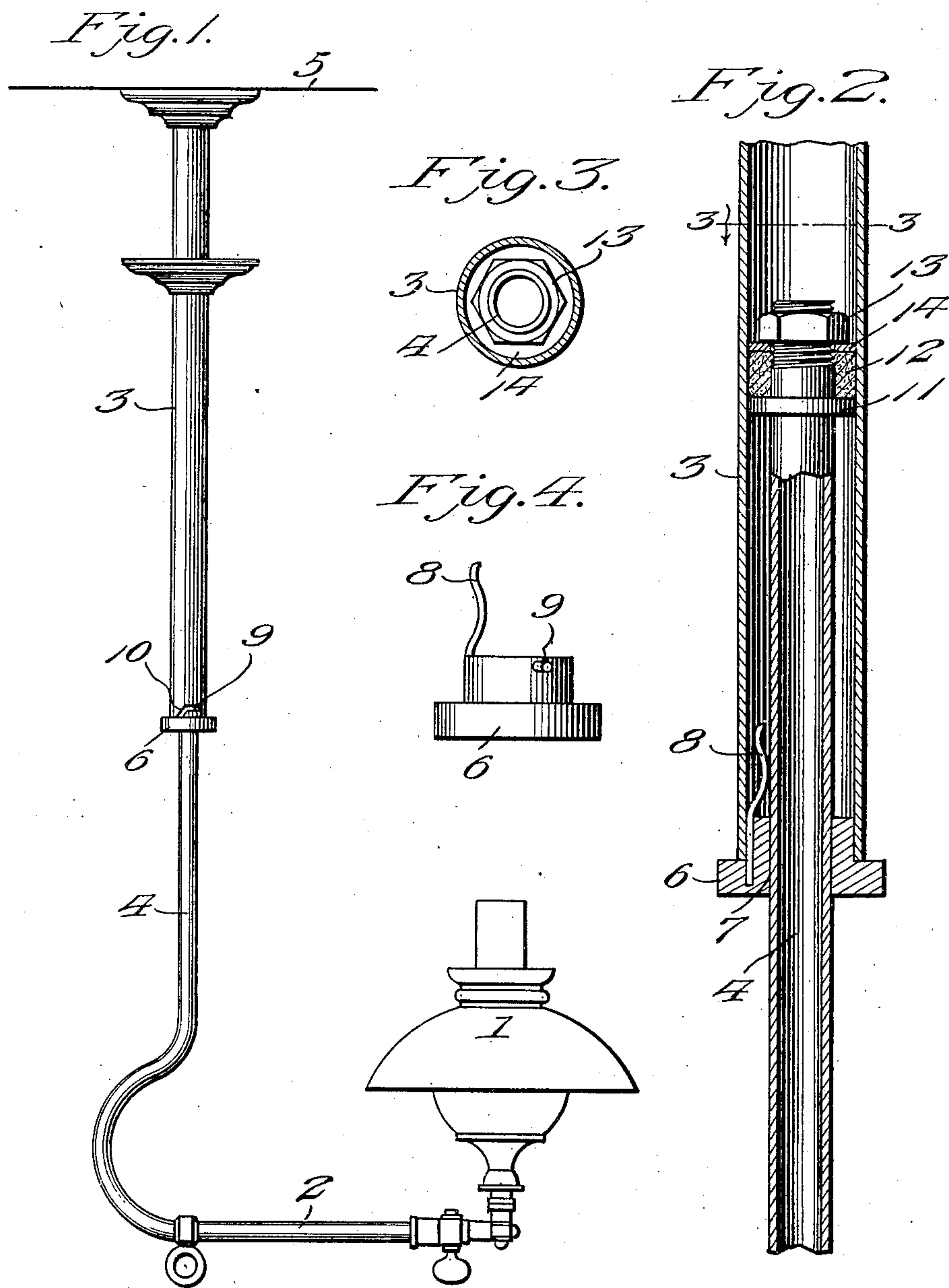


No. 829,892.

PATENTED AUG. 28, 1906.

G. RIEFLIN.  
DROP LIGHT.

APPLICATION FILED APR. 7, 1906.



Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE RIEFLIN, OF ROCHESTER, NEW YORK.

## DROP-LIGHT.

No. 829,892.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed April 7, 1906. Serial No. 310,498.

*To all whom it may concern:*

Be it known that I, GEORGE RIEFLIN, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented new and useful Improvements in Drop-Lights, of which the following is a specification.

This invention relates to drop-lights, and has for its objects to produce a comparatively simple inexpensive device of this character wherein the lamp may be conveniently adjusted vertically to the desired elevation, one wherein the lamp-supporting sections may be freely rotated relatively for swinging the lamp in a horizontal plane, and one wherein the sections will be normally fixed against relative movement for holding the lamp in adjusted position.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation of a drop-light embodying the invention. Fig. 2 is a detail sectional view, on an enlarged scale, the section being taken centrally and longitudinally through the pipe-sections. Fig. 3 is a detail sectional view taken on the line 3 3 of Fig. 2. Fig. 4 is a detail view in elevation of the plug for closing the end of the main tube.

Referring to the drawings, 1 designates a lamp fixed upon the outer end of the horizontal portion or arm 2 of a fixture comprising a main tube 3 and an auxiliary relatively movable tube 4 of smaller diameter than the tube 3, but connected in slidable telescopic engagement with the latter, which is fixed at its upper end to and depends vertically from an overhead support 5, it being understood that the tube communicates at its upper end with a service-pipe (not shown) for supplying gas or other illuminating fluid to the lamp.

Fitted in the lower end of tube 3 is a plug or closure 6, having a central bearing-opening 7, in which the tube 4 is slidably disposed, said plug, which carries a spring-engaging member or finger 8 for a purpose which will presently appear, being provided with a pin 9, designed to enter a bayonet-slot 10 for removably fixing the plug in the end of the tube, while provided on the tube 4 at a point adjacent its upper end and within the tube 3

is an annular flange 11, forming a seat for a yieldable packing gasket or bushing 12, held in place by means of a nut 13, tapped onto the end of the tube and arranged to bear on a washer 14, which in turn bears on the upper face of the packing 12, which when compressed between the washer and flange is expanded against the inner face of tube 3 for forming a fluid-tight joint between the latter and tube 4, as will be readily understood.

In practice the tube 4 may be moved upward or downward within the tube 3 for varying the elevation of the lamp 1, which in turn may be swung to the desired position horizontally by rotating the tube-section 4 relative to section 3, it being understood that the lamp will be maintained in its adjusted position, owing to the frictional action of the washer 12 within the tube 3, this frictional engagement of the parts being supplemented for holding the tubes against relative movement owing to the spring-engaging member 8 bearing against the tube 4, as seen in Fig. 2. It is to be particularly observed that the plug 6 may be readily removed to permit disconnection of the tubes, and, further, that an expansion of the washer 12 for varying its frictional contact with the interior of tube 3 may be varied at will by setting up the nut 13.

Having thus described my invention, what I claim is—

In a device of the class described, a lamp, a fixture therefor comprising a pair of feed-tubes arranged in slidable telescopic engagement, the inner tube being provided with a marginal flange, a yieldable packing applied around the inner tube upon said flange, a nut tapped onto the tube and movable toward the flange for compressing the packing to expand the same within the outer tube, a removable plug for closing the outer end of the latter, and a spring bearing member fixed on the plug within the outer tube to bear upon the inner tube, and serving in conjunction with the packing to fix the tubes against relative movement.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE RIEFLIN.

Witnesses:

MARTIN SCHELL,  
JOSEPH MÜLLER.