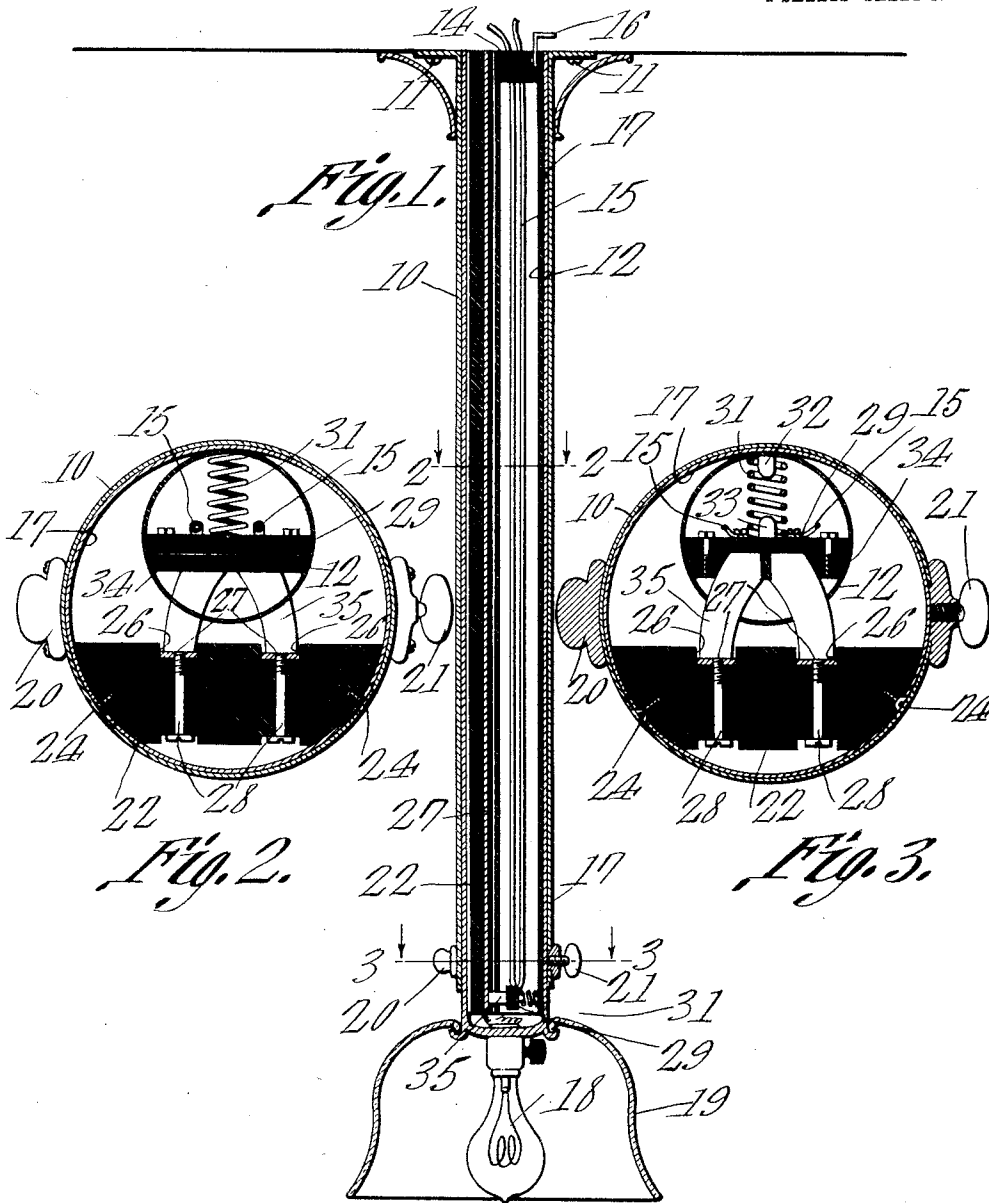


1,039,106.

Patented Sept. 24, 1912.

2 SHEETS—SHEET 1.



Witnesses

J. P. Tomlin
L. H. Watson

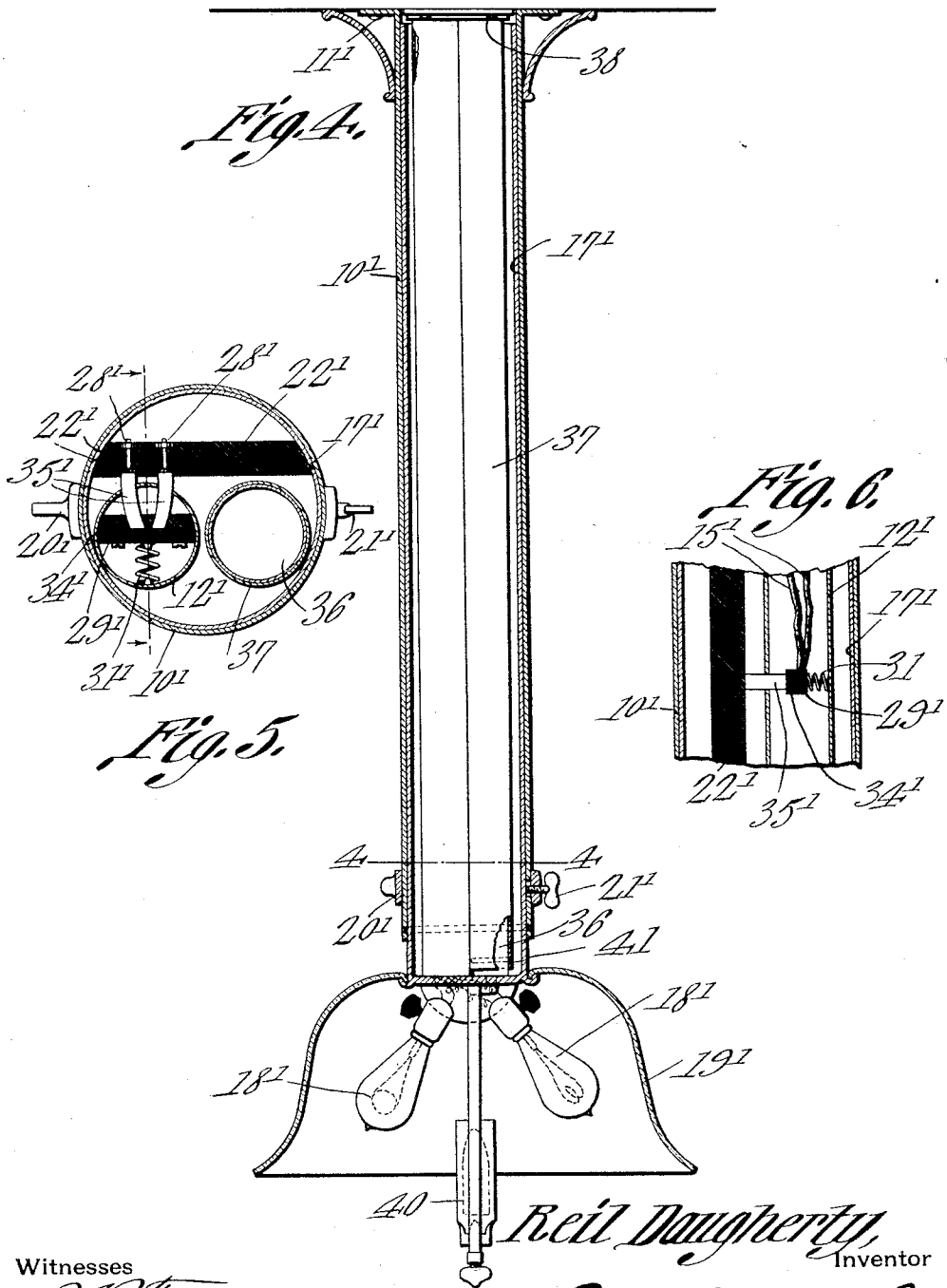
Reil Daugherty, Inventor

by *C. A. Snow & Co.*
Attorneys

1,039,106.

Patented Sept. 24, 1912.

2 SHEETS—SHEET 2.



Witnesses

J. P. Lane
S. H. Wilson

by

Reil Daugherty

Inventor

C. A. Snow & Co.

Attorneys

UNITED STATES PATENT OFFICE.

REIL DAUGHERTY, OF HARRISBURG, PENNSYLVANIA.

ADJUSTABLE SUPPORT FOR CHANDELIERS.

1,039,106.

Specification of Letters Patent.

Patented Sept. 24, 1912.

Application filed October 6, 1911. Serial No. 653,132.

To all whom it may concern:

Be it known that I, REIL DAUGHERTY, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented a new and useful Adjustable Support for Chandeliers, of which the following is a specification.

This invention relates to an improvement in adjustable supports for electric lights.

The primary object of the present invention is to provide a telescoping support for incandescent lights which will be simple in construction and economical to manufacture.

In the drawings: Figure 1 is a vertical section. Fig. 2 is a section on the line 2—2 of Fig. 1. Fig. 3 is a section on the line 3—3 of Fig. 1. Fig. 4 is a view showing a slight modified construction. Fig. 5 is a section on the line 4—4 of Fig. 4. Fig. 6 is an enlarged section of a portion of the support.

In the drawings, 10 designates a supporting tube which is secured to the ceiling by means of screws 11. Arranged within said tube 10 is a second tube 12 formed of insulating material and which receives a block 14 through which the conducting wires 15 pass. The tube 12 is secured to the ceiling by means of the bracket 16. Slidably arranged within the tube 10 is a tube 17 which at its end remote from the ceiling supports a lamp 18, a hood or canopy 19 being secured to said tube adjacent said lamp. This tube is raised and lowered by means of a handle 20 and held in any desired position on said tube by means of a set screw 21, said handle and set screw passing through the outer secured tube, the set screw being provided with a jam nut 21' which contacts with the tube 10 to hold the inner tube in its adjusted position. A block 22 of insulating material is secured to the inner tube 17 by means of screws 24, the block being movable with said tube. This block is formed with grooves 26 in which are secured contact plates 27, these plates being held within said grooves by means of set screws 28 which pass entirely through the strip or block 22, the heads of said screws being counter sunk. It will be noted by this construction that as the tube 17 is raised or lowered, the insulated block will travel with the same.

Arranged within the tube 12 at a point adjacent its lower end is a contact plate 29 to which is secured a second contact plate 34.

These plates support brushes 35, the terminals of which are of a width slightly less than the width of the grooves formed in the block 22. The wires 15 are connected to these brushes, extending through the blocks 34, said brushes contacting with the plates 27 which are connected to the socket 18' of a lamp 18, the current in this manner being conducted to the lamp. The contact plate 29 is spaced from the tube by a coiled spring 31, a projection 32 arranged on said tube, and a projection 33 arranged on the plate 29 holding said spring in position, the tendency of said spring being to hold the brushes in contact with the plate 27.

It will be noted by this construction that the tube 17 may be raised and lowered and the lamp adjusted at various heights, the contact plates carried by the sliding block 22, always being in contact with the brushes 35, the spring 31 holding said brushes in contact with said plates. Thus it will be noted that a sliding electrical contact is formed which permits of a ready and convenient vertical adjustment of the lamp.

Particular attention is called to the peculiar manner of arranging and supporting the contact brushes and the manner in which the same are held in contact with the sliding contact plates, this peculiar construction absolutely preventing short circuiting, the tube 12 being formed of non-conducting material.

The many advantages of an adjustable support of this character will be clearly apparent as it will be noted that the entire construction is such that the same may be easily and economically manufactured.

In the form shown in Figs. 4, 5 and 6 the telescoping tubes are of a greater diameter than that shown in the preferred form, the sliding contact being smaller and positioned to one side of the tubes. This arrangement allows for the positioning of the telescoping gas tubes 36 and 37, the tube 36 being stationary and being connected with a gas supply pipe and being secured to the upper plate 38 which is supported by the ceiling. The lower or inner tube 39 which extends within the first mentioned tube being secured to the end portion of the sliding inner tube 10 and connected to the depending burner 40, suitable packing 41 being interposed between the tubes in order to secure an air tight sliding connection.

It will be noted that this construction pro-

vides a combined gas and electric light support which may be conveniently adjusted to any desired height.

What is claimed is:—

5 1. In an adjustable light support, a stationary tube, a tube slidably mounted within said stationary tube, a lamp supported by the sliding tube, a second stationary tube arranged within said sliding tube, said stationary tube being formed of insulating material, a plurality of plates of insulating material arranged within the second mentioned stationary tube, a resilient connection between one of said plates and the wall
10 of the stationary tube, a plurality of brushes supported by said plate, and a plurality of contact plates supported to move with the stationary tube, said plate being insulated from the sliding tube and connected to said lamp.

2. In an adjustable support for incandescent lights, a stationary tube, a tube slid-

ably arranged within said stationary tube, a lamp supported by said sliding tube, a plurality of sliding contact plates supported by said tube and insulated from the same, said plates being connected to said lamp, a tube formed of insulating material arranged within said sliding tube, a plurality of plates formed of insulating material, arranged within said stationary tube, brushes supported by said plate and adapted to contact with the plates carried by the sliding tube, and resilient means arranged within the stationary tube for holding said contacts in contact with the sliding contact plates.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

REIL DAUGHERTY.

Witnesses:

A. F. OHRUM,
J. GEO. KEIL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."