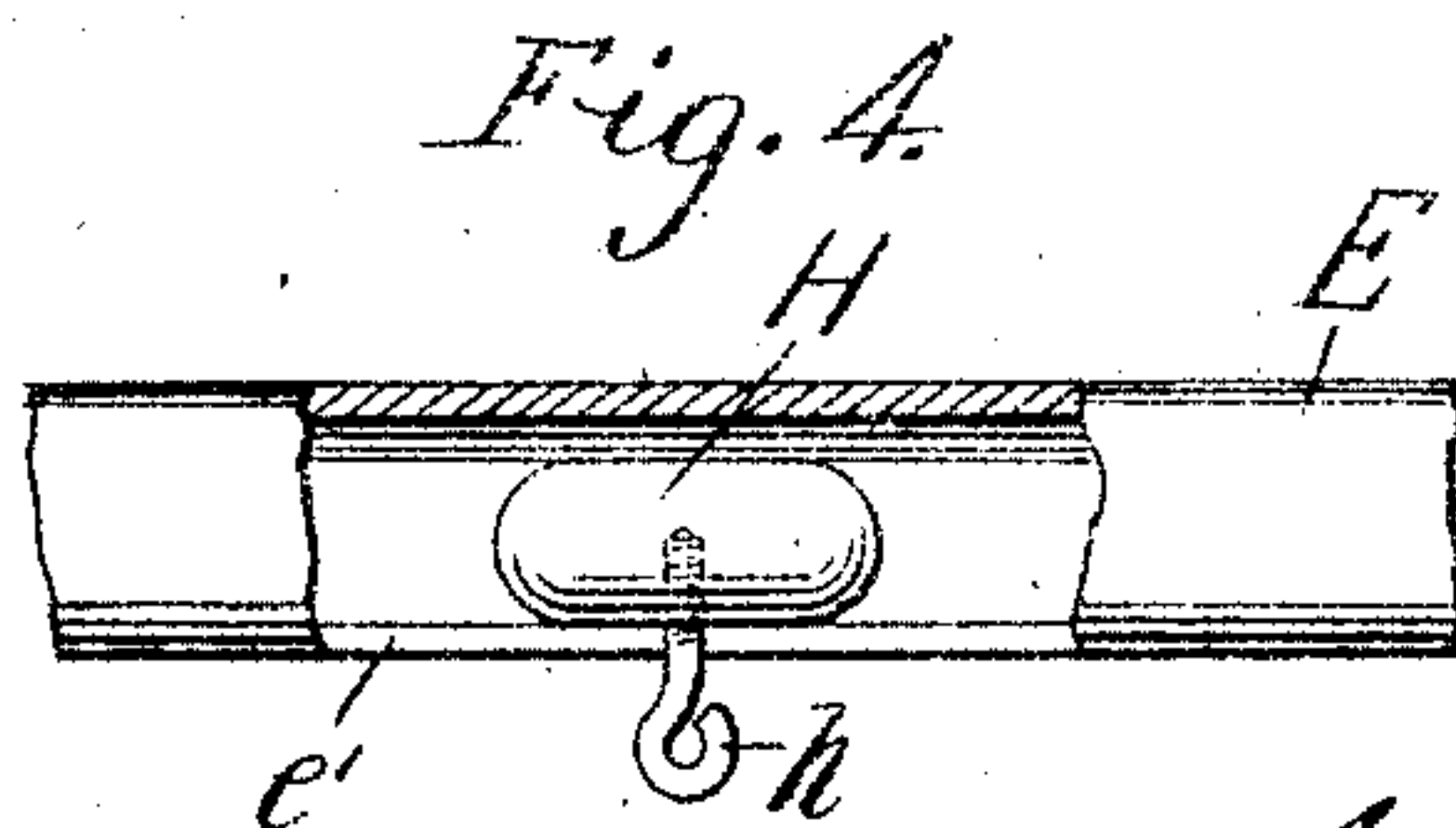
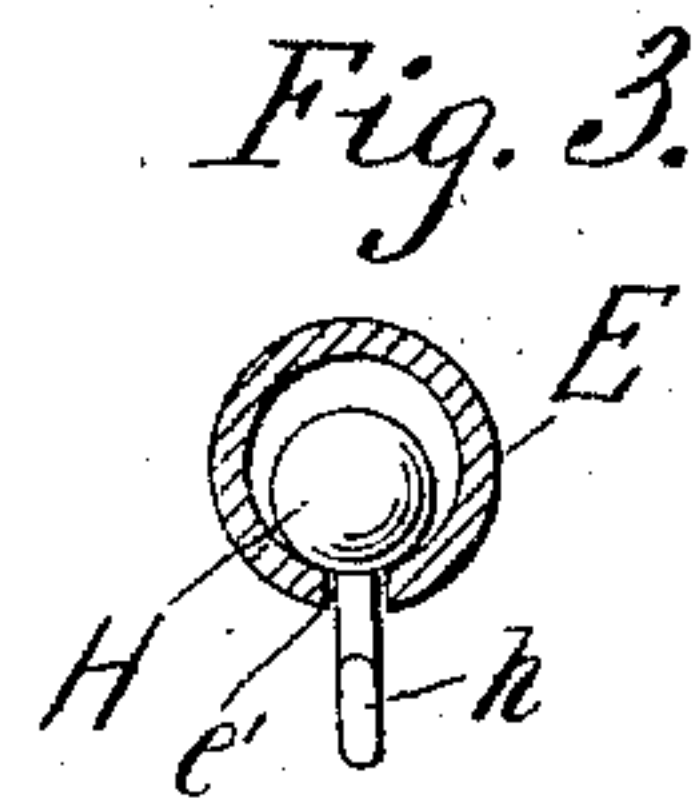
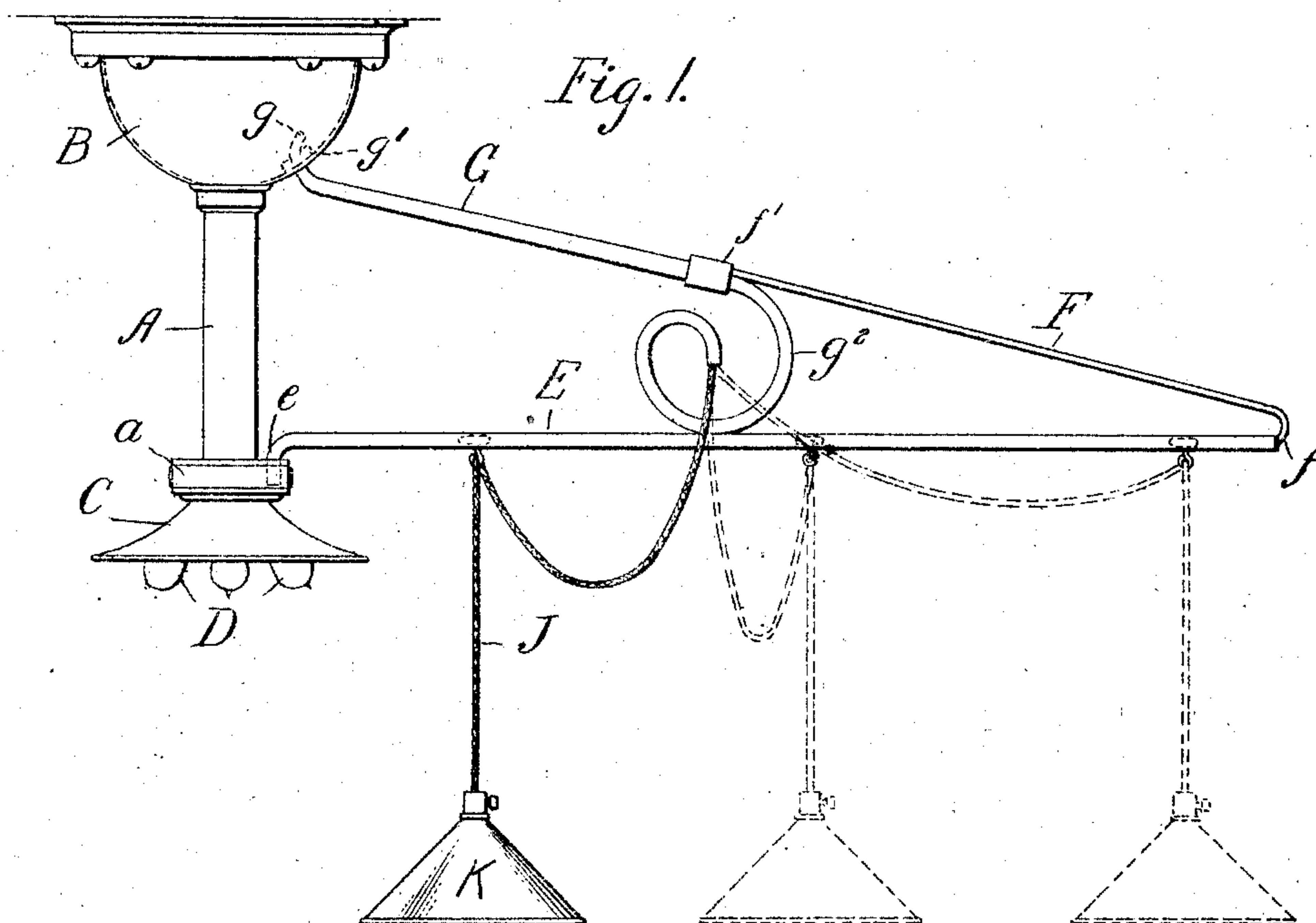


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ELECTROLIER.  
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Patented Jan. 5, 1909.



Inventor

Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN H. THOMPSON, OF CHICAGO, ILLINOIS.

## ELECTROLIER.

No. 909,040.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed March 13, 1907. Serial No. 362,113.

*To all whom it may concern:*

Be it known that I, JOHN H. THOMPSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Electroliers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The primary object of my invention is to provide an electrolier or chandelier with an improved attachment for adjustably supporting a suspended light or lights so as to permit the same to be moved to various desired positions.

The invention pertains more especially to that species of adjustable lamp-hangers wherein the lamp is suspended from a slide or carrier adapted to be moved back and forth along a track or guide-way of a swinging arm or bracket, whereby a practically universal adjustment of a light can be obtained within a certain range. By my present improvement, I provide a very simple practicable and efficient device of this character, as well as one of neat and ornamental appearance and convenient operation.

The device is adapted as an attachment for an ordinary electrolier or chandelier depending from the ceiling of a room, and also as a side bracket for attachment to a light-fixture or other support at the side of a room or elsewhere.

While my improvement is primarily designed and intended as an electrolier attachment, for the purpose of supporting a suspended light or lights, it is equally serviceable for supporting other lights, as gas lamps or lanterns, so that the term "lamp" as used in this specification and the claims appended hereto is better construed as including various species of lights, and is to be construed further as including either one or a plurality of lights, it being obvious that the suspended lamp may comprise, for example, either a single electric-light bulb or a cluster of lights.

My improved apparatus is further adapted for supporting the suspended circuit-wires of various electrically-operated devices which have to be shifted or changed to various positions in use, as for examples electric-fans, sad-irons, motors, etc.

In the accompanying drawings, hereby

made a part of this specification, Figure 1 is a side elevation of one preferred form or embodiment of my invention, showing the same as an attachment for an electrolier of the kind which depends from the ceiling of a room. Fig. 2 is a detail plan view of a fragment of the lamp-bracket. Fig. 3 is an enlarged detail cross-section of that element of the bracket which constitutes the slide-way for the lamp carrier, showing the said carrier in said slide-way. Fig. 4 is an enlarged side view of a portion of the said slide-way, broken away to disclose the lamp carrier therein.

A denotes the tubular post, standard or hanger of the electrolier, depending from its hollow cap or hemispherical head B which is attached to or arranged adjacent to the ceiling of a room. The foot of the post A is shown provided with a shade C covering a cluster of electric lights D.

Pivotaly attached to the electrolier is a lateral swinging frame or bracket, constituting the adjustable holder or hanger for a suspended lamp or lamps, and comprising the elements E F and G arranged and connected substantially as follows:

E is a horizontal or approximately horizontal tube, of suitable length to provide a slideway of considerable extent for a suspended lamp. The inner end of said tube E has a downwardly bent crook or pintle *e* pivotaly seated in a socket therefor in a collar or projection *a* on the post A, preferably at the foot of said post.

G is an inclined tube arranged above the horizontal tube E. The inner end of said upper tube G is hooked or crooked upwardly as at *g*, and inserted through the shell of the cap of head B and through a boss *g'* on the inside of said shell, so as to afford a suitable hold and pivotal connection on the inside of said cap. The outer portion of upper tube G extends downwardly in substantially the form of an involute curve, denoted at *g*<sup>2</sup>, or this portion of the tube G may be formed as an ornamental curve of other suitable conformation. An intermediate part of the curved portion *g*<sup>2</sup> is attached to the tube E at an intermediate point, preferably at about the middle of said tube E, the connection being made by any suitable means as by brazing or soldering.

F is a rod having its inner end connected to the outer end of the straight portion of



the tube G as at  $f'$ , by a clamp, collar or otherwise, and having its outer end connected to the outer end of the tube E, as by hooking the end of said rod in the end of said tube. Thus the bracket is pivotally attached to the electrolier or chandelier at the points  $e$ , and  $g$ ; and the inclined curved tube G provides a brace, rigidly connected with the tube E at an intermediate point, while the rod F provides a connection of said brace connected with the outer end of said tube E.

The tube E, as aforesaid, constitutes the slide-way for the lamp carrier, which in this instance is a slide or block H, adapted to be moved back and forth in said tube; the lamp K being suspended therefrom by a cord J, having its connection to or with the slide or block H through a longitudinal slot  $e'$  in the under side of the tube E. The block H is shown herein provided with an eyelet or eyelet-screw  $h$  depending therefrom through the slot  $e'$ , the cord J being attached to the eyelet thereof. Thus the slide or block H can be readily moved back and forth by the suspension-cord J of the lamp, so as to locate the lamp at any desired position along the slide-way or tube E; while the bracket as a whole can easily be swung around to any desired position allowed within the range of its pivotal attachment. Vertical adjustment of the lamp may of course be provided by any of the common or well-known devices for that purpose, such as devices for taking up the length of the cord. In this case, the invention being shown in connection with an electrolier, the suspension-cord J comprises the insulated circuit wires for the electric light or lights connected with the socketed shade K of the said light or lights. The post A contains the circuit wires for the lights D, while the circuit wires J for the lamp K are carried from the interior of the cap B through the inclined and curved tube G, and out from the end of the curved portion  $g^2$  thereof, and then carried to the carrier H and down to the lamp K. Thus the tube G affords a concealed conduit for the circuit wires. A sufficient length of the cord J is left between the point of emergence from the tube G and the point of connection with the carrier H to provide the necessary slack to enable the carrier H to be moved back and forth the full length of the slide-way in the tube E. The curved portion  $g^2$  of the tube G is offset to one side of said tube E, as shown in Fig. 2, so that the cord or circuit wires J hanging therefrom will be out of contact with the tube E, thus preventing possible electric connection with said tube, and also avoiding any obstruction by the cord J with the carrier H as it is moved back and forth. There may be a number of similar brackets attached at different points to the electrolier. The

tube E may also contain a plurality of slides for different suspended lamps if desired.

From the foregoing, it is obvious that the invention may be embodied in different forms, and various modifications may be made in details of construction and arrangement without departing from the scope thereof.

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

1. In an adjustable lamp-hanger, the combination with a light fixture, of a lateral swinging bracket pivotally-attached thereto having a substantially horizontal tube with a longitudinal slot therein, a slide movable back and forth in said horizontal tube, and a lamp suspended from said slide through said slot, and a portion of the bracket comprising a tube above the first-mentioned tube, the cord or flexible connection which supplies the light being carried through said second-mentioned tube and having a slack portion between said tube and slide permitting the latter to be moved back and forth in said horizontal tube.

2. An adjustable bracket for a suspended lamp or lamps comprising a horizontal slotted tube, a brace tube above the same having a curved portion connected with said horizontal tube at an intermediate point on the latter, a slide in said horizontal tube, and a flexible cord for the light carried through said brace tube and to said carrier, said cord having sufficient slack between said brace-tube and slide to permit the latter to be moved back and forth in said horizontal tube.

3. An adjustable bracket for a suspended lamp or lamps comprising a horizontal slotted tube, a brace tube above the same having a curved portion connected with said horizontal tube at an intermediate point, a slide in said horizontal tube, and a flexible cord for the light carried through said brace tube and to said slide, said cord having a slack portion between said brace-tube and slide permitting the latter to be moved back and forth in the horizontal tube, and a rod connecting said brace-tube with the outer end of said horizontal tube.

4. An adjustable bracket for a suspended lamp or lamps comprising a horizontal slotted tube, a brace tube above the same having a curved portion connected with said horizontal tube at an intermediate point, a slide in said horizontal tube, and a flexible cord for the light carried through said brace tube and to said slide, said cord having a slack portion between said brace-tube and slide permitting the latter to be moved back and forth in the horizontal tube, the said brace tube having a curved portion offset from the side of said horizontal tube and from which said cord emerges.



5. The combination of an electrolier post having a flange or collar thereon provided with a socket and having an upper hollow cap provided with an opening, and a lateral swinging lamp-bracket having at its inner end a vertical pintle *e* fitted in the socket of said collar and an upper hook-like pintle *g* entered through and hooked in said opening in said cap.
- 10 6. An adjustable lamp-hanger comprising a support, a laterally-swinging bracket-pivotally-connected therewith, said bracket having a horizontal arm providing a guideway and a tubular bracing arm attached to and arranged for swinging movement 15 with said horizontal arm, a carrier movable back and forth along said guideway, and a flexible lamp-suspending cord extending through said tubular bracing arm to said carrier and having a slack portion between 20 them for permitting free adjustment of the carrier.

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

JOHN H. THOMPSON.

Witnesses:

GEORGE E. BALLUFF,  
JOSEPH G. CULVER.