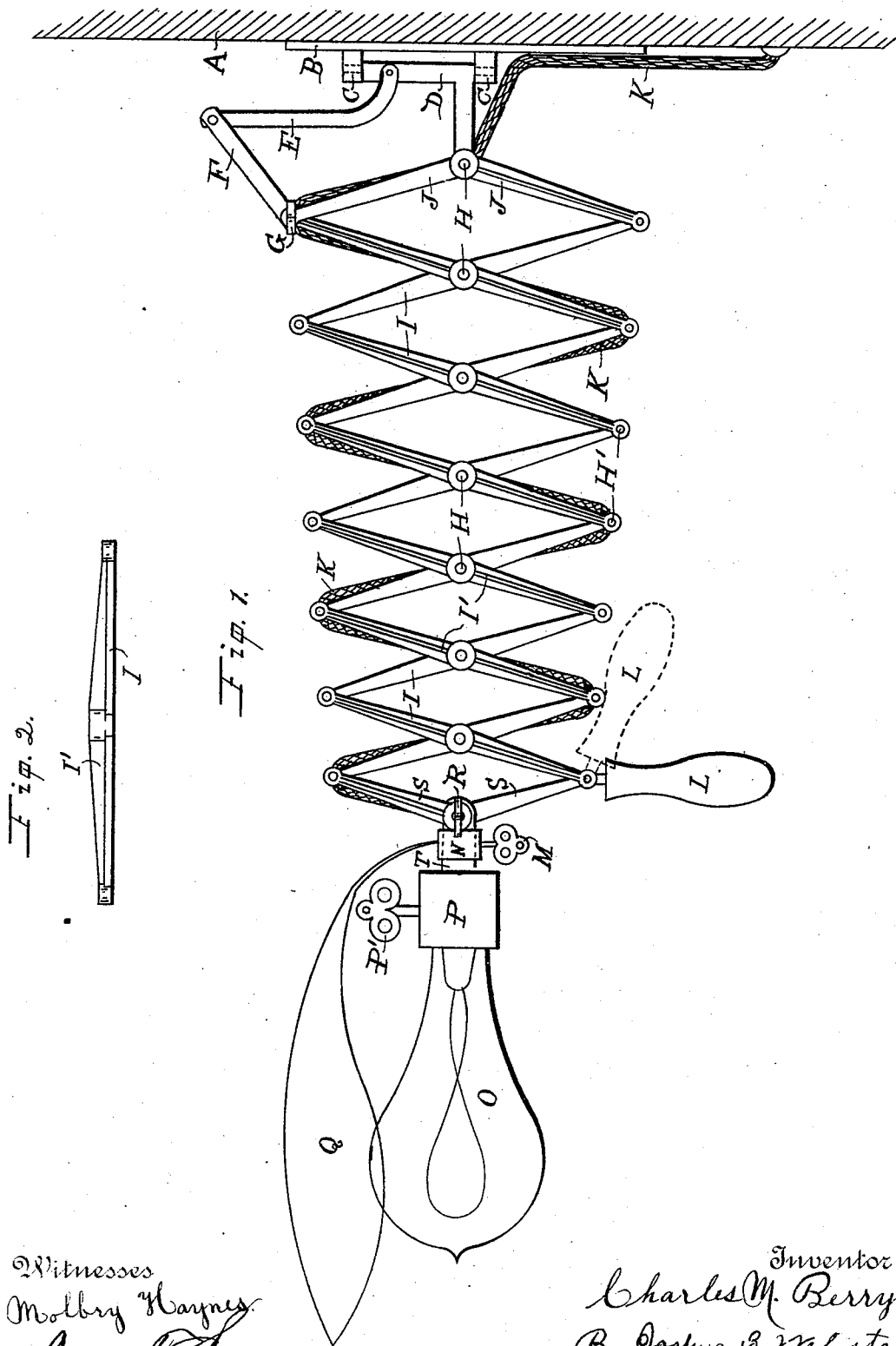


(No Model.)

C. M. BERRY.  
BRACKET FOR INCANDESCENT LIGHTS.

No. 510,317.

Patented Dec. 5, 1893.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## BRACKET FOR INCANDESCENT LIGHTS.

SPECIFICATION forming part of Letters Patent No. 510,317, dated December 5, 1893.

Application filed June 14, 1893. Serial No. 477,540. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES M. BERRY, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Brackets for Incandescent Lights; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements in incandescent electric light brackets, which are attached to the wall and adapted to swing vertically and horizontally and fold together as may be desired, and it consists essentially of a metal plate attached to the wall and provided with projecting lugs which engage with an angular arm, to which is attached a series of toggle or lazy-tong sections provided with a maintaining brace; and of such other devices and combination of devices as I have illustrated in the accompanying drawings in which—

Figure 1 is a left hand side elevation of my improved bracket and its attachments. Fig. 2 is a detached side elevation of one of the toggle sections.

A represents the wall to which, at a suitable position, is attached a plate B, having lugs C on its face. The lugs C are provided with guides in which are inserted the journals of an angular swinging arm D, to which is attached a series of toggle sections the rear one of which is composed of two bars J, and the front one, of the bars S, and the intermediate sections of bars I, all of which bars are provided with ribs I' to give them sufficient rigidity. The rear section is attached to the arm D by a pin H, and the centers of the different sections are secured together by similar pins H, and their ends by pins H'.

To the side of the arm D is flexibly attached a vertical arm E, to the top of which is flexibly attached a link brace F, which at its foot, is connected to the top of the rear toggle sec-

tion and is secured thereto by a thumb screw G, for the purposes as will be shown.

T, is a horizontal arm, which is flexibly attached to the toggle sections S by means of a thumb screw R, which serves to maintain such arm in the desired position.

To the arm T, is attached the head P of an incandescent light O, which may be of any desired pattern, such head P being supplied with an electric current switch P'.

Q, is an adjustable shade which is attached to a ferrule N, which comprehends the arm T and is secured thereto by means of a thumb screw M, which is adapted to engage with the periphery of the arm T.

K, are insulated positive and negative wires such as are usually employed for transmitting electricity from a dynamo machine to lights of this class, and are suitably connected to the main wire at the wall A and to the light O, such wires K being suitably supported at the back of the joints of the toggle sections.

L, is a handle attached to the lower side of the front toggle section for the purpose as will be shown. It will be observed that the centers of the toggle sections are on a direct horizontal line, and that the outer ends of the sections taper from the rear to the front, being on an oblique line with relation to the center line. It will also be observed that the pins H are not in the exact center of the sections I, the end from the pin H rearwardly to the pin H' of that individual section being longer than the outer end of the same.

My improved bracket is operated as follows:—The handle L is preferably grasped by the operator's left hand while with the right hand, he loosens the screws G and R, thus permitting the free movement of those parts, and the bracket is then unfolded by pulling outward and is placed in any desired position vertically and horizontally when the operator will, with his right hand, tighten the aforementioned thumb-screws, after adjusting the light in the desired horizontal position. The handle L, is then raised out of the way as shown by the dotted lines Fig. 1. The operator then releases the thumb screw M and adjusts the shade Q in such position as will afford the

best advantage by reason of such adjustment with relation to the light O.

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

1. In an incandescent electric light bracket, the combination with an incandescent electric light, of the plate B attached to the wall A, and provided with the lugs C, the angled arm D adapted to engage with the lugs C, the toggle sections J, I, and S, provided with the ribs I', the pins H, and H' securing the said toggle sections together, the adjustable brace F E, the thumb screw G, the arm T, flexibly attached to the sections S, the light O P, attached to the arm T, the ferrule N, embracing the arm T, and provided with the adjusting thumb screw M, the shade Q rigidly attached to the ferrule N, and the insulated positive and negative wires K, all arranged and operating substantially as shown and described.

2. A bracket for supporting incandescent electric lights, comprising a plate adapted to be connected to a wall, an angular arm journaled in bearings on the plate so as to swing horizontally, toggle or lazy tong sections flexibly connected to the angular arm, an arm E, flexibly connected to the angular arm, a link F, flexibly connected to the arm E, and a thumb screw connecting the link F, to the inner or rear toggle section, substantially as and for the purpose set forth.

3. The combination substantially as described of the lugs B, attached to the wall and provided with guides, the swinging angle arm provided with journals engaging with the

guide of the lugs C, the vertical arm E, and the link brace F, the toggle sections attached to the arm D and brace F and an incandescent light suitably attached to the front of the toggle sections.

4. In a bracket for incandescent lights, a series of adjustable toggle sections attached at their rear to a horizontally swinging angular arm pivotally attached to the wall, an adjusting elbow attached to the rear toggle section and to the horizontally adjusting angular arm, an incandescent electric light pivotally attached at the outer end of such toggle sections, and a shade adjustably attached to such light all arranged and operating substantially as shown and described.

5. In an incandescent electric light bracket, the combination substantially as shown and described with an incandescent light of a series of toggle sections pivotally attached to such light by means of the horizontal arm T, such toggle sections being provided with ribs I', a horizontally adjustable angle arm pivotally attached to the wall, such arm engaging with the rear toggle section, a vertically adjusting elbow attached to the rear toggle section and to the angle arm, a suitable wire to conduct electricity to the said light and an operating handle, all arranged and operating substantially as shown and described.

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

CHARLES M. BERRY.

Witnesses:

E. F. SOMPS,

H. F. HEBBARD.