(No Model.)

# C. BELL.

## ELECTRIC LAMP OR CONDUCTOR SUPPORT.

No. 477,984. Patented June 28, 1892.

Fig. 1

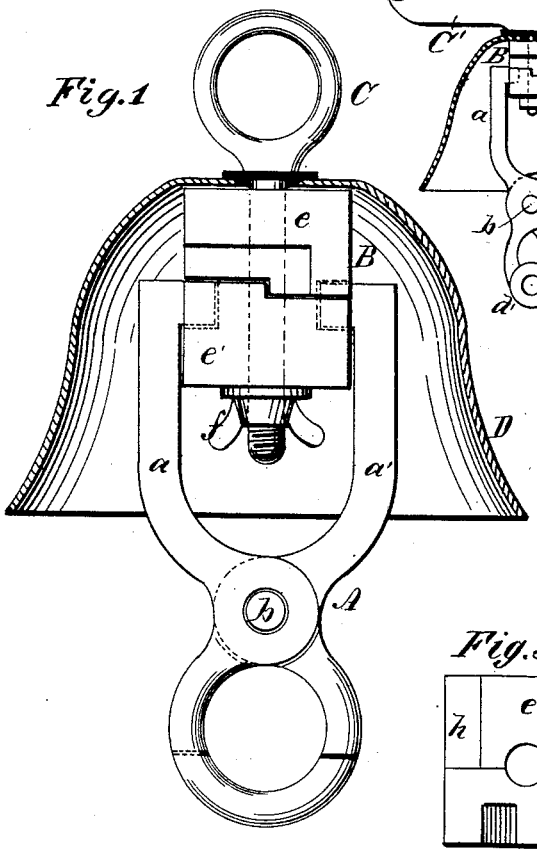



Fig. 8.

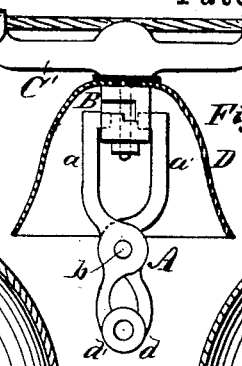



Fig. 2.

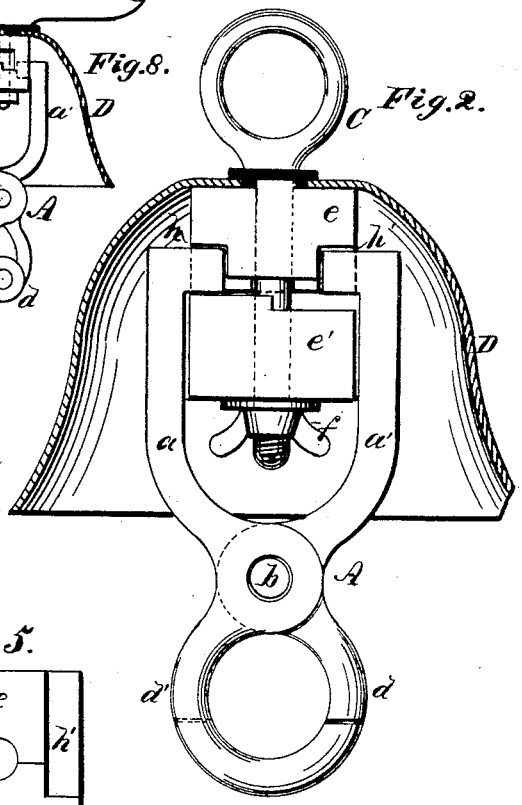



Fig. 5.

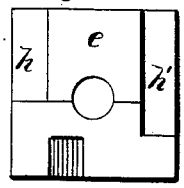



Fig 4

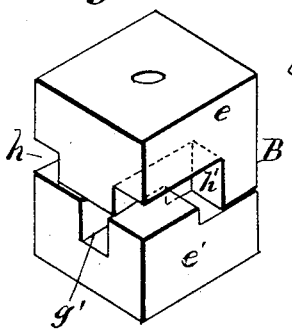



Fig. 3.

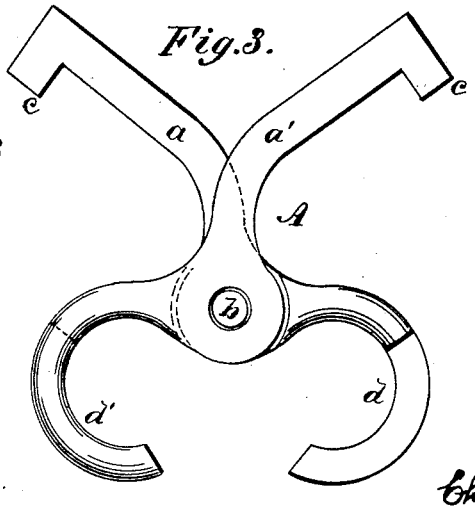
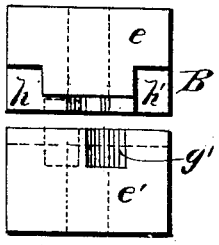
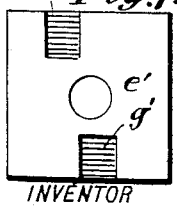



Fig. 6.




g Fig. 7.

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# UNITED STATES PATENT OFFICE.

CHARLES BELL, OF STROUDSBURG, PENNSYLVANIA.

## ELECTRIC LAMP OR CONDUCTOR SUPPORT.

SPECIFICATION forming part of Letters Patent No. 477,984, dated June 28, 1892.

Application filed March 23, 1892. Serial No. 426,047. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES BELL, of Stroudsburg, in the county of Monroe and State of Pennsylvania, have invented a new and Improved Electric Lamp or Conductor Support, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation, partly in section, of my improved electric hanger, showing the hanger locked in the position of use. Fig. 2 is a side elevation, partly in section, showing the hanger released and in position to be removed from the insulating-support. Fig. 3 is a detail view of the hanger. Fig. 4 is a perspective view of the insulating-support of the hanger. Fig. 5 is an inverted plan view of the upper half of the insulating-support. Fig. 6 is a side elevation of the hanger-support. Fig. 7 is a plan view of the lower half of the insulating-support; and Fig. 8 is a side elevation, partly in section, of a modified form of the device.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and effective device for the support of arc lamps and electrical conductors.

My invention consists in the combination, with an eyebolt or clip provided with a threaded shank, of an insulator formed of two parts, having rectangular notches in the lower part for receiving the inwardly-bent ends of the hanger, the upper portion having recesses which will permit of the removal of the hanger from the insulating-support after the lower half has been let down by unscrewing the supporting-nut.

It also consists in the combination, with the hanger, of a cover or shield for protecting the insulator from rain and snow.

The clip A, which supports the lamp or other electrical device, is formed of two similar but oppositely-arranged arms $a$ $a'$, connected by the pivot $b$. The upper ends of the arms have angled ends $c$, which extend inwardly toward each other when the clip is closed. The lower ends $d$ $d'$ of the arms $a$ $a'$ are bent into a circular curve and cut away, so that they overlap each other, forming a complete eye when they are closed, as shown in Figs. 1 and 2.

The insulating-support B, which receives the inwardly-bent ends of the clip A, is formed of two parts $e$ $e'$, which are perforated to receive the suspension-eye C, which passes vertically through the center of each part. The insulating-support B is practically of cubical form and the upper and lower halves are offset, so that when they are clamped together by the nut on the shank $f$ of the eye C they will be prevented from turning one upon the other. The lower half of the insulating-support B is provided with two rectangular notches $g$ $g'$ for receiving the inwardly-turned ends of the clip A, and the upper portion $e$ of the insulating-support B has formed in it recesses $h$ $h'$, the depth of the recesses being about equivalent to the depth of the notches $g$ $g'$. When the clip A is suspended from the insulating-support B and locked to place, the recesses $h$ $h'$ are on opposite sides of a line drawn through the notches $g$ $g'$, and the plain portions of the upper part $e$ rest over the said notches and prevent the clip A from escaping from the lower half of the insulating-support. When it is desired to remove the clip A from the support, the nut $f$ is loosened and the lower half of the insulating-support is turned through a quarter of a revolution, thereby bringing the recesses $h$ $h'$ over the notches $g$ $g'$, as shown in Fig. 4, when the clip may be lifted into the said recesses and moved laterally out of the insulating-support.

On the eye C and above the insulating-support B is placed an inverted-bell-shaped protector D, which extends downward nearly to the pivot of the clip A and prevents moisture from interfering with the insulation. The bell-shaped protector is electrically insulated from the eye C.

In the modification shown in Fig. 8 a clip C′ is used for grasping a cable or cord instead of the eye C. In other respects the device is the same as that already described.

It will be observed that the upper ends of the arms $a$ $a'$ of the clip A must be pressed inwardly past each other in order to open the eye at the lower end of the clip, and as this is prevented by the insulating-support B the clip cannot be opened until after it has been removed from the support in the manner described.

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

1. In an electric lamp or conductor support, the combination of a clip formed of two similar arms *a a'*, pivoted together, curved inward at one end and angled at the other end, and an insulating-support adapted to receive the clip and hold it in a closed position, substantially as specified.

2. In an electric lamp or conductor support, the combination of the clip A, provided with the angled ends *c*, with the insulating-support B, formed of the parts *e e'*, the part *e'* having notches *g g'*, the part *e* having recesses *h h'*, and the eye C, substantially as specified.

3. In an electric lamp or conductor support, the combination, with the clip A, provided with the angled ends *c*, of the insulating-support B, formed of the parts *e e'*, the part *e'* having notches *g g'*, the part *e* having recesses *h h'*, the eye C, and the bell-shaped protector D, substantially as specified.

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Witnesses:
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