

(No Model.)

W. R. HITCHCOCK.
BRACKET FOR INCANDESCENT ELECTRIC LIGHTS.

No. 549,724.

Patented Nov. 12, 1895.

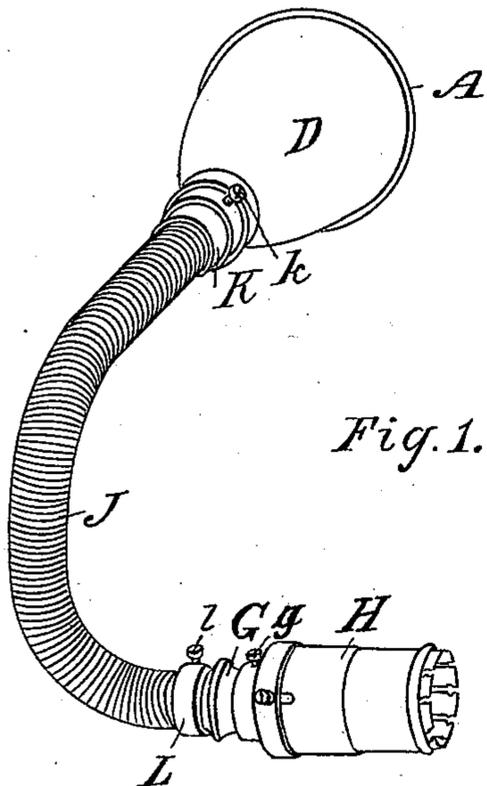


Fig. 1.

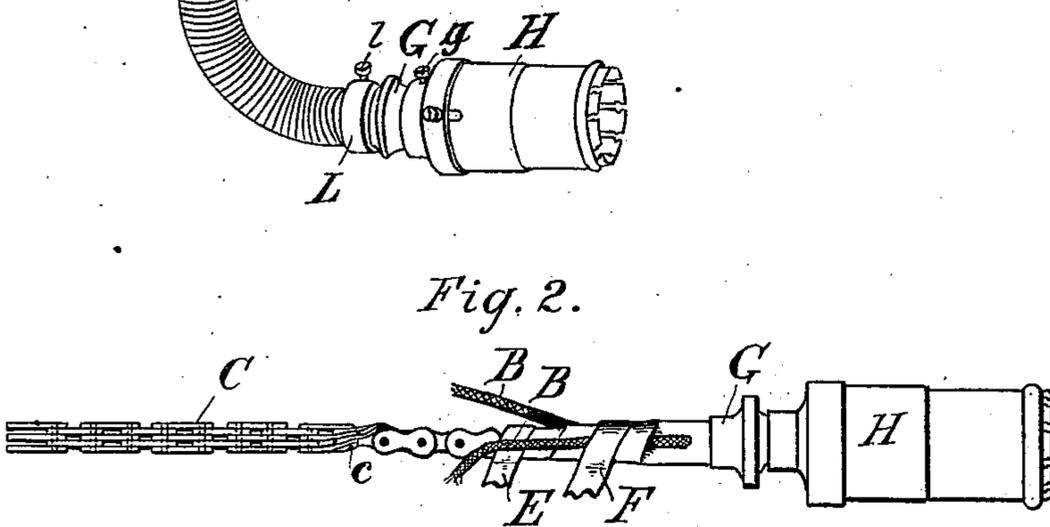


Fig. 2.

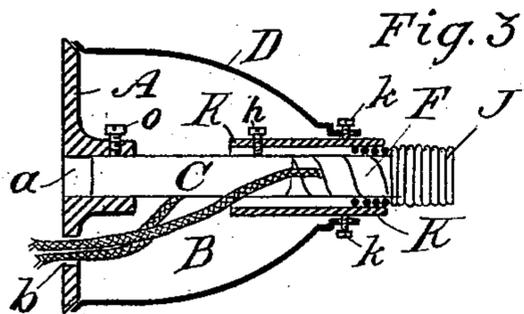


Fig. 3.

Witnesses:
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WILBER REUBEN HITCHCOCK, OF CORNWALL, CANADA.

BRACKET FOR INCANDESCENT ELECTRIC LIGHTS.

SPECIFICATION forming part of Letters Patent No. 549,724, dated November 12, 1895.

Application filed March 27, 1895. Serial No. 543,337. (No model.)

To all whom it may concern:

Be it known that I, WILBER REUBEN HITCHCOCK, a citizen of Canada, residing at Cornwall, in the county of Stormont, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Brackets for Incandescent Electric Lights; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part hereof.

The object of my invention is a bracket the arm of which is flexible and may be moved so as to throw the light in any desired direction.

In the drawings, Figure 1 is a view of my improved bracket. Fig. 2 is a detail view showing the construction. Fig. 3 is a detail showing the connection with the wall-plate.

A is a plate adapted to be secured to the wall or other place where the light is required. A central socket *a* is made integrally with this plate, and in this socket one end of a chain C is secured by a set-screw *o*. An aperture *b* is also made in the plate for the passage of the insulated wires B.

The chain C, which may be of any suitable length, is made of plate-links secured by rivets—that is, one link consists of three plates and the next of two, and so on. As is usual in this class of chain, it will be seen that the chain is flexible in one plane only. In order to give flexibility in another plane, the chain is twisted, as shown at *c*.

A bell-shaped cap D, in which a cut-out may be placed, if desired, is secured by set-screws *k* to a tube K, which will be hereinafter described, the mouth of the said bell-shaped cap fitting on the plate A. The links of the chain C where it passes through this cap D are soldered together, so as to make it inflexible.

The chain C is covered with rubber insulating-tape E, and the flexible insulated wires B pass along one at either side of the chain, and another layer F of rubber insulating-tape is wrapped over the whole, keeping the wires in place, the layer or rubber tape E protecting the wires from the chain. The free end of the chain is secured by solder or otherwise in a nipple G, through which the wires

B also pass. The lamp-socket H is secured on this nipple by means of a set-screw *g*.

A flexible covering J is placed over the chain C and wires B, and is secured at one end to a short tube K, which is held by set-screws *k* in the bell-shaped cap D and to the chain C by a set-screw *h*. The other end of the flexible covering is secured in a ring L, which is held by a set-screw *l* on the nipple G. This covering J may be made of any suitable flexible material, such as spirally-coiled wire or rubber tubing, or both.

The bracket may be used on a wall, desk, or as an arm on an electrolier. The links, while being so riveted as to move with moderate freedom, have enough friction to stay and hold the socket in any position in which it may be placed.

I claim as my invention—

1. A flexible bracket for an incandescent electric light consisting of a chain secured to the wall plate at one end and to the lamp socket at the other, and a flexible covering embracing the said chain and the wires supplying the current to the said lamp socket, substantially as set forth.

2. In a flexible bracket for an incandescent electric light, the combination with the plate A and socket *a*, the bell shaped cap D secured to the said plate, of the chain C wrapped with insulating material, the wires B also wrapped with the chain in another layer of insulating material, the said chain being secured at one end in the said socket *a*, a nipple G secured on the other end of the chain to which the lamp socket is secured, and a flexible covering J covering the said chain and wires, substantially as set forth.

3. In a flexible bracket for an incandescent electric light, the combination with the chain C twisted at *c* and secured at one end to a wall plate and at the other to the lamp socket of the flexible covering J, substantially as set forth.

Signed at Ottawa this 1st day of March, 1895.

WILBER REUBEN HITCHCOCK.

In presence of—

JOS. MATTE,
A. G. WILMOT.