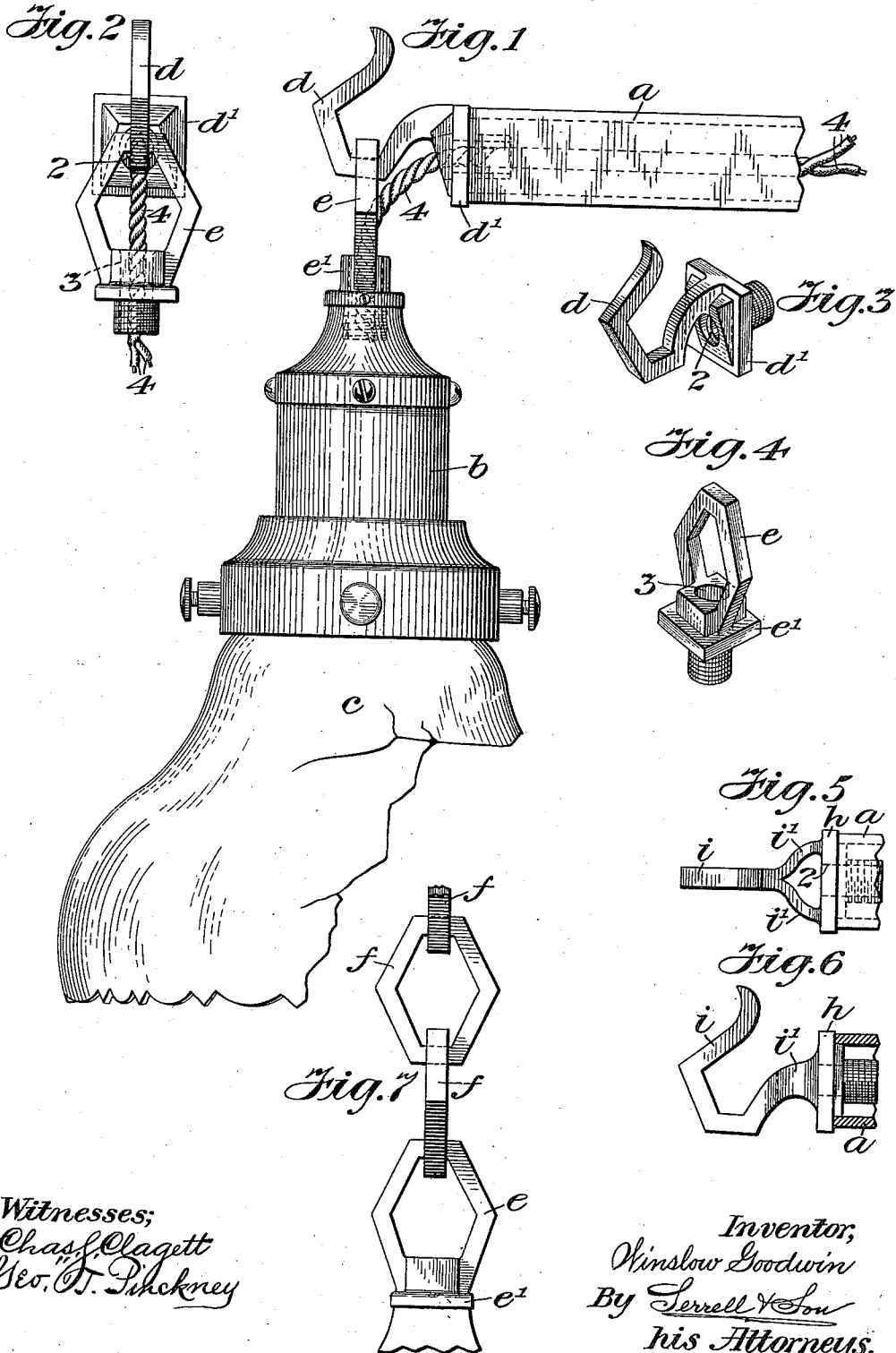


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ELECTRIC LIGHT FIXTURE OR ELECTROLIER.
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1,041,458.

Patented Oct. 15, 1912.



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UNITED STATES PATENT OFFICE.

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ELECTRIC-LIGHT FIXTURE OR ELECTROLIER.

1,041,458.

Specification of Letters Patent.

Patented Oct. 15, 1912.

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To all whom it may concern:

Be it known that I, WINSLOW GOODWIN, a citizen of the United States, residing at Winsted, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Electric-Light Fixtures or Electroliers, of which the following is a specification.

The shade holder sockets and lamps of electric light fixtures or electroliers of the present time are frequently supported at the ends of branches, arms or bracket parts in a movable relation of suspension. This is frequently accomplished by an eye or loop on the former parts, and a hook on the latter parts, the light wires passing out of the end of the branch arm or bracket part around the hook and eye or loop into the socket. Unless great care is exercised in the wiring, time and friction are liable to expose the wires and establish a short circuit with the fixture or electrolier.

The object of my invention is to obviate these conditions and keep the light wires free of metallic contact, friction or disadvantageous motion.

In carrying out my invention, the hook block is centrally apertured and the base of the hook where it joins with the block, is beyond and away from possible contact with the light wires as they project from the hole in the hook block and bend down to and into the hole in the eye block. To accomplish this, the base of the hook joins the hook block either above the hole therethrough, or at the sides thereof, but such base does not come below the side hole.

In the drawing, Figure 1 is a side elevation, representing the features of my improved invention, in connection with the arm of a light fixture and the socket and shade of the lamp. Fig. 2 is an end view of the hook and eye and their blocks, as shown in Fig. 1. Figs. 3 and 4 are perspective views of the hook and block and the eye and block. Fig. 5 is a plan and Fig. 6 a side view, showing a form of my invention, and Fig. 7, in connection with the hook and its block, shows a form of suspension device.

a represents the free end of the arm of an electric light fixture or an electrolier or of a bracket part.

b represents a shade holder of any desired form. *c*, a shade of usual form.

d represents the hook and *d*¹ the hook block forming part of my invention, with a hole 2 through the latter part in line with the axis of the arm *a* of the fixture.

e represents the eye or loop, and *e*¹ the block of said eye, forming the other part of my invention, and in which block *e*¹ is a hole 3 in axial line with the shade holder *b*, and 4 represents the light wire as passing into and through the arm *a*, through the hole 2 in the hook block, and as bending over semi-circular form into the hole 3 of the eye block and so passing to the socket of the lamp.

Figs. 3 and 4 being perspective views and taken with Fig. 1, show clearly how the light wires 4 may pass directly out through the hook block and bend over and pass through the eye block without coming into contact with the hook or the eye, and said figures also indicate that in case of any movement of the shade holder and shade, with its lamp and socket in relation to the fixed arm *a*, that said movement may not in any respect influence the light wires or bring them into contact with the hook or the eye.

Fig. 7 simply serves to show a usual means of suspension by chain links *f*, with the eye *e* and eye block *e*¹.

In Figs. 5 and 6, *h* represents the hook block in this form of my invention, *i* the hook and *i*¹ the hook arms diverging from the hook and spreading to union with the hook block *h* at either side of the central hole 2 in the hook block, so that the hook arms *i*¹ in their diverging relation straddle the opening through which the light wires pass, so that in this case, said light wires would not come into contact with the hook any more than with the form of hook in Fig. 1.

In this art, heretofore, the base of the hook has been placed below the opening in the hook block, consequently the light wires emerge above the hook and it was necessary to bend the light wires and bring them over and beneath the hook, and careless wiring and the contact and friction of use would frequently cut through the covering of these light wires and establish a short circuit, which is not possible with the device of my invention.

The arm *a*, the shade holder *b* and the shade *c*, as illustrated in the drawing of this application, form no necessary part of my invention, and are only illustratively
5 shown.

I claim as my invention:

1. A device for supporting a pendant electric light fixture, comprising a hook and hook block for attachment to an arm or
10 bracket part of the light fixture, in which the union of the hook and the hook block is beyond and away from possible contact with the light wires as they project from the hole in the hook block, permitting the
15 same to bend down unobstructed, and an eye and eye block at the upper end of the light fixture, having a central hole through which said light wires also pass.

2. A device for supporting a pendant electric light fixture, comprising a hook and hook block for attachment to an arm or
20 bracket part of the light fixture and each having a central hole for the light wires, in which the union of the hook and the hook
25 block is made above the central hole or aper-

ture of the hook block, so that the light wires may pass through the opening and bend down entirely free from contact with the hook, and a complementary eye and eye block having a central opening and con-
30 nected to the portion of the electric light fixtures, suspended therefrom and into the opening of which eye block the light wires pass freely.

3. As a new article of manufacture, a hook
35 and hook block for electric light fixtures or electroliers, adapted for connection with an eye and eye-block of a suspended part, the same comprising a hook and block having a screw-threaded cylindrical portion with a
40 central opening extending through the cylindrical portion of the hook block and the union of the base of the hook with the hook block coming above said central opening.

Signed by me this 2nd day of February
1912. 45

WINSLOW GOODWIN.

Witnesses:

CLAUDE H. WEEKS,

LOUIS G. HITCHCOCK.

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