No. 881,284. PATENTED MAR. 10, 1908.

W. R. ATKINSON.

WALL BRACKET FOR ELECTRIC LIGHTS.

APPLICATION FILED APR. 23, 1907.

Fig. 1.

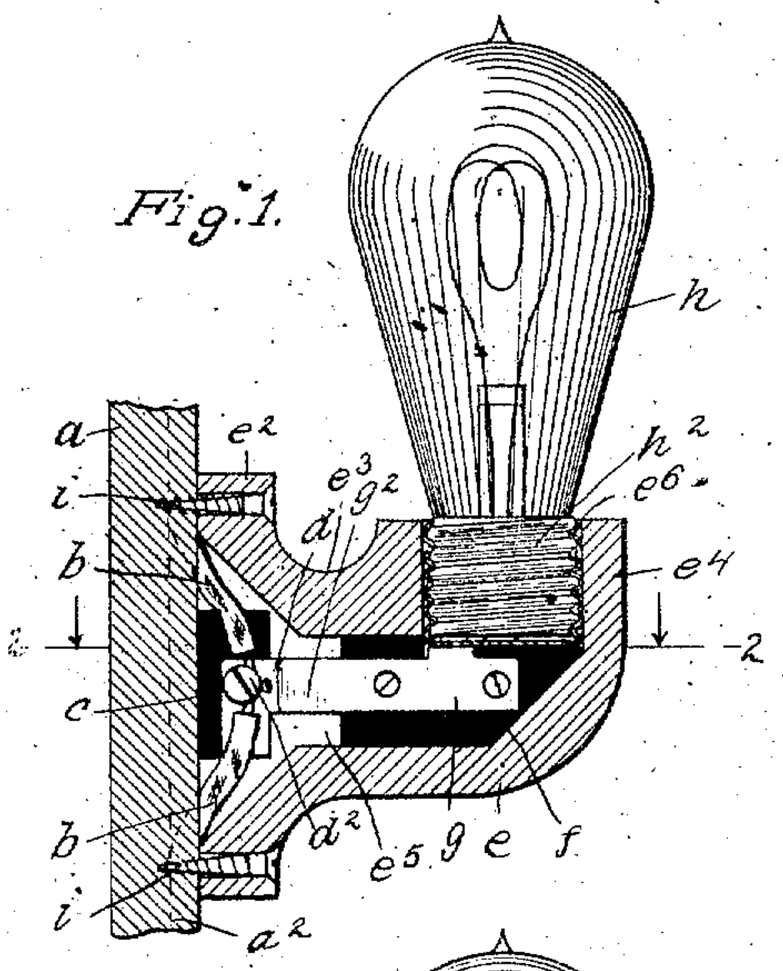


Fig. 2.

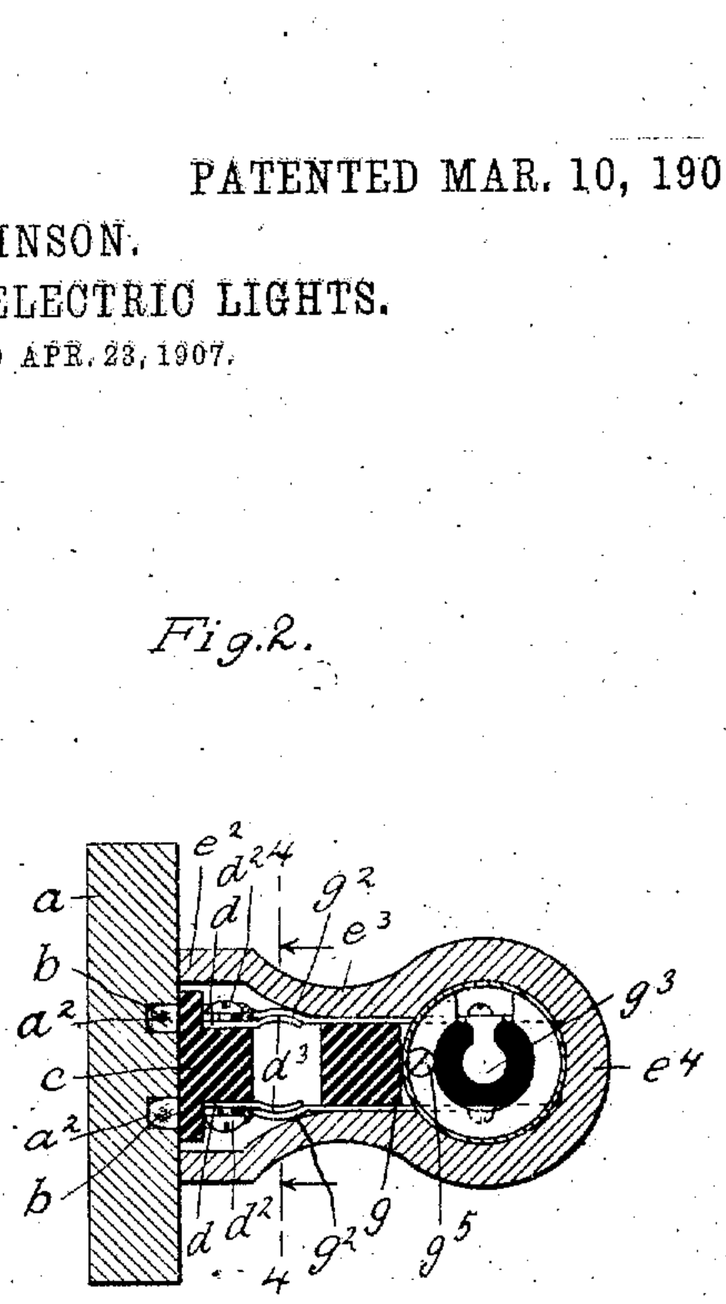


Fig. 3

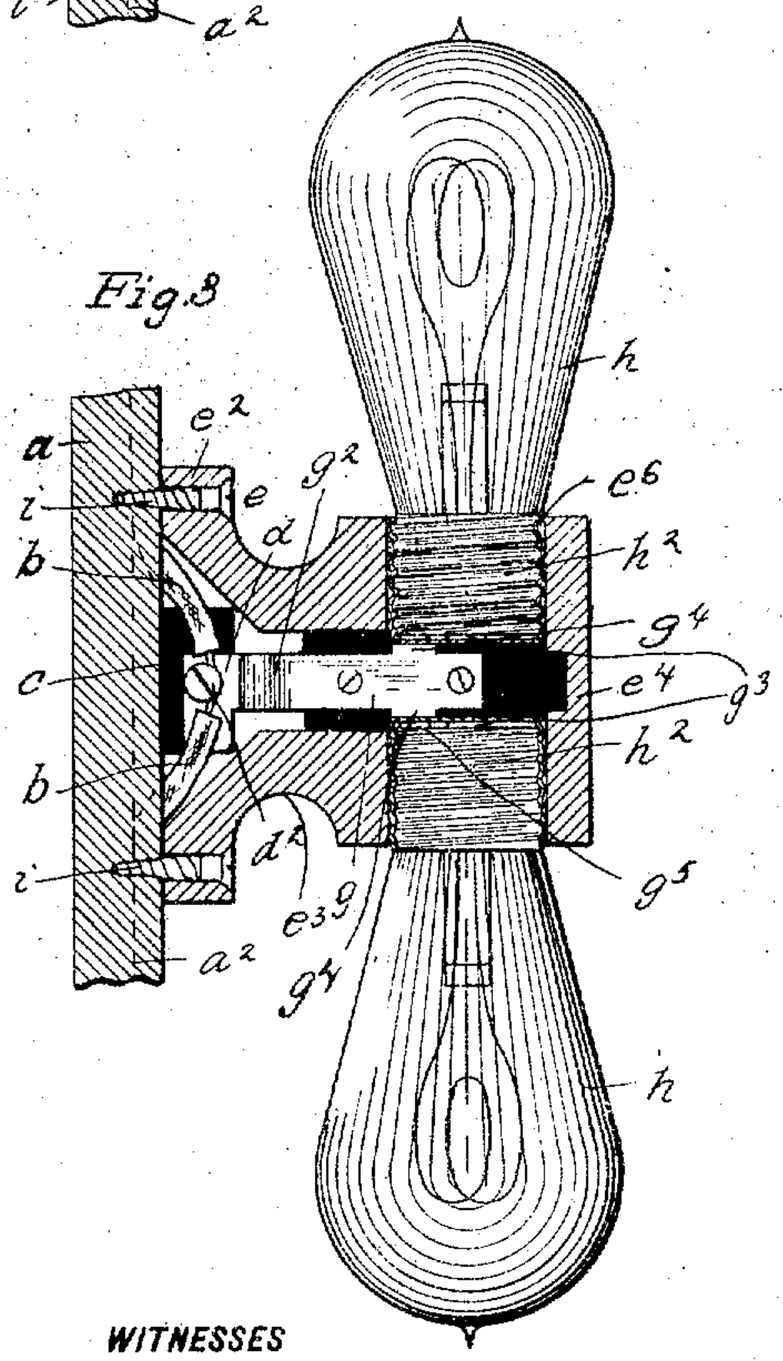


Fig. 4.

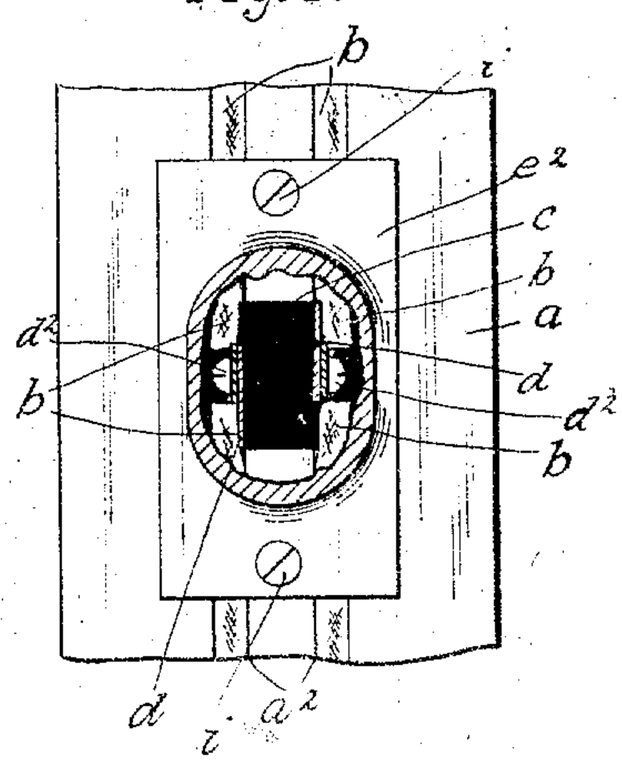
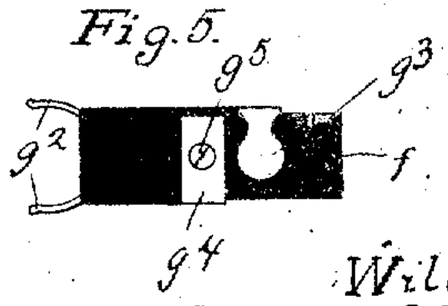


Fig. 5.



WITNESSES

C. Worden Gibbs.

L. E. Mulreany

INVENTOR

William R. Atkinson.

BY Edgar Tate & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM R. ATKINSON, OF NEW YORK, N. Y.

WALL-BRACKET FOR ELECTRIC LIGHTS.

No. 881,284. Specification of Letters Patent. Patented March 10, 1908.

Application filed April 23, 1907. Serial No. 369,805.

To all whom it may concern:

Be it known that I, WILLIAM R. ATKINSON, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Wall-Brackets for Electric Lights, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved wall bracket attachment for use in connection with molding strips or other finishings in a room, compartment or building for carrying electric incandescent lights and which may be conveniently applied, and by means of which an electric light of the class specified may be supported in different positions.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a side view showing an ordinary molding strip having grooves for carrying electric light wires and showing also my improved bracket attachment provided with one electric light; Fig. 2 a section on the line 2—2 of Fig. 1; Fig. 3 a view similar to Fig. 1 but showing a modification; Fig. 4 a section on the line 4—4 of Fig. 2; and, Fig. 5 a plan view of an insulating block which forms a part of the bracket attachment.

In the drawing forming part of this specification, I have shown at a an ordinary molding strip used as a support for the electric circuit wires in wiring a building for lighting purposes, and said strip is provided with grooves a^2 through which the wire cables b are passed, and in the practice of my invention, I secure to said strip between the grooves a^2 an insulating block c to the opposite sides of which are secured metal plates d provided with binding posts or screws d^2 with which the wires in the cable b are connected, and the metal plates d are provided with outwardly directed spring arms d^3 which are curved outwardly and inwardly as clearly shown in Fig. 2. I also provide a bracket e comprising a base plate or member e^2 adapted to be secured to the molding strip a and having a neck portion e^3 provided with a head e^4 which, in the form of construction shown in Fig. 1, is directed vertically and at right angles to the neck portion e^3, and in the base e^2, neck portion e^3 and head portion e^4 is a chamber e^5 that part of which in the base member e^2 is enlarged to receive the insulating block c.

Secured to that part of the chamber e^5 in the neck e^3 and head e^4 of the bracket e is an insulating block f, the opposite sides of which are provided with metal plates g having spring arms g^2 which extend backwardly through the neck portion e^3 of the bracket, and the end portions of which are curved outwardly and inwardly as shown in Fig. 2, and adapted to engage the spring arms d^2 of the plates d secured to the insulating block c. The plates g are also provided, one with an inwardly directed contact device g^3 which ranges transversely of the top surface of the insulating block f, and the other with an inwardly directed contact device g^4 which ranges transversely of the top of the insulating block f and from the opposite side thereof, and through which is passed a screw g^5.

The head e^4, in the form of construction shown in Fig. 1, is provided with a socket e^6, and in Fig. 1, I have also shown an incandescing electric light bulb at h, having a screw-threaded neck h^2 adapted to be screwed into said socket, and when the neck h^2 of the bulb h is screwed into the socket e^6, the contact devices with which said bulb or the neck thereof is provided will make electrical connection with the contact devices g^3 and g^4 in the usual manner.

It will be understood that the bracket e may be formed of any desired material and, in practice, the insulating block c is first secured to the molding a by means of screws or other devices, and in order to connect the bracket e therewith it is only necessary to hold said bracket in proper position and press it backwardly so that the arms g^2 of the plates g will engage the arms g^2 of the plates d as shown in Fig. 1, after which the base e^2 of the bracket is secured to the molding by screws i or similar devices.

In the construction shown in Fig. 3, the head e^4 of the bracket e is provided with two oppositely arranged sockets e^6, and this form of bracket attachment is intended for the connection of two of the incandescing bulbs h, and in this form of construction, the metal plates g are provided both at their top and bottom edges with contact devices g^3 and g^4, one set of which overlap the top surface of the insulating block f and the other the bot-

tom surface thereof, and the operation will be the same as with the construction shown in Fig. 1.

It will be understood, of course, that the molding strips *a* provided with grooves a^2 are simply carriers of the cables *b* and any suitable devices for this purpose may be employed; and my improved bracket attachment for electric lights may be employed on either walls or ceilings, or in any position where it is desired to place electric lights, and by means of my improvement, I provide a simple and effective device of the class specified, and changes in and modifications of the construction described may be made without sacrificing the advantages of the invention or departing from the scope thereof as set out in the appended claims.

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

1. A bracket attachment for electric lights adapted to be used in connection with a molding having grooves for electric cables, comprising an insulating block secured between said grooves and provided with side plates having outwardly directed spring arms and with which the wires in said cables are connected, and a bracket or socket member adapted to be secured to said molding and to inclose said block and provided with a head having a socket to receive the neck of an incandescing electric light bulb, said bracket member being also provided with an insulating block having side plates provided with spring arms adapted to engage the first named spring arms and provided with contact devices which range transversely of the bottom of said socket.

2. A bracket attachment for electric lights adapted to be used in connection with a carrier having grooves for electric cables, comprising an insulating block secured between said grooves and provided with side plates to which the wires in the cables are attached, said side plates being provided with outwardly directed spring arms, and a bracket member comprising a base member adapted to be secured to said carrier and provided with a head having a socket adapted to receive the neck of an electric-light bulb, said bracket member being provided with a chamber adapted to receive said insulating block and in which is secured another insulating block provided with side plates having spring arms adapted to engage the spring arms of the insulating block secured to the carrier, and said plates being provided with contact devices which overlap the surface of the last named insulating block in the bottom of said socket.

3. A bracket attachment for electric lights adapted to be used in connection with a carrier provided with grooves through which electric cables are passed, said carrier being provided with an insulating block which is secured between said grooves and provided at its opposite sides with plates with which the wires in said cables are connected, said plates being provided with outwardly directed spring arms, and a bracket member adapted to be secured to said carrier and provided with a head having a socket adapted to receive the neck of an incandescing electric light bulb, said bracket being also provided with an insulating block having side plates provided with spring arms adapted to engage the spring arms of the plates secured to the first named insulating block, and said last named plates being also provided with contact devices which extend inwardly across the bottom of the socket.

4. A bracket attachment for electric lights adapted to be used in connection with a carrier provided with grooves for electric cables, comprising an insulating block secured between said grooves and provided with side plates to which the wires in the cables are secured, said side plates being provided with outwardly directed spring arms, and a bracket member adapted to be secured to said carrier and provided with a plurality of sockets adapted to receive the necks of incandescing electric light bulbs, said bracket being also provided with an insulating block to the opposite sides of which are secured metal plates having spring arms adapted to engage the arms of the plates secured to the first named insulating block and provided with contact devices which range transversely of the inner ends of said sockets.

5. An attachment for electric lights adapted to be connected with a molding strip having grooves for electric cables, said attachment comprising an insulating block adapted to be secured between said grooves and provided with side plates having outwardly directed spring arms and with which the wires in said cables are connected, and a bracket member having a base portion adapted to be secured to said molding strip and to inclose said insulating block and provided with a head having a socket adapted to receive the neck of an incandescing electric light bulb, said electric light member being also provided with an insulating block having side plates provided with spring arms adapted to engage the first named spring arms and provided with contact devices which range transversely of the bottom of said socket.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 22nd day of April, 1907.

WILLIAM R. ATKINSON.

Witnesses:

C. E. MULREANY,

A. WORDEN GIBBS.