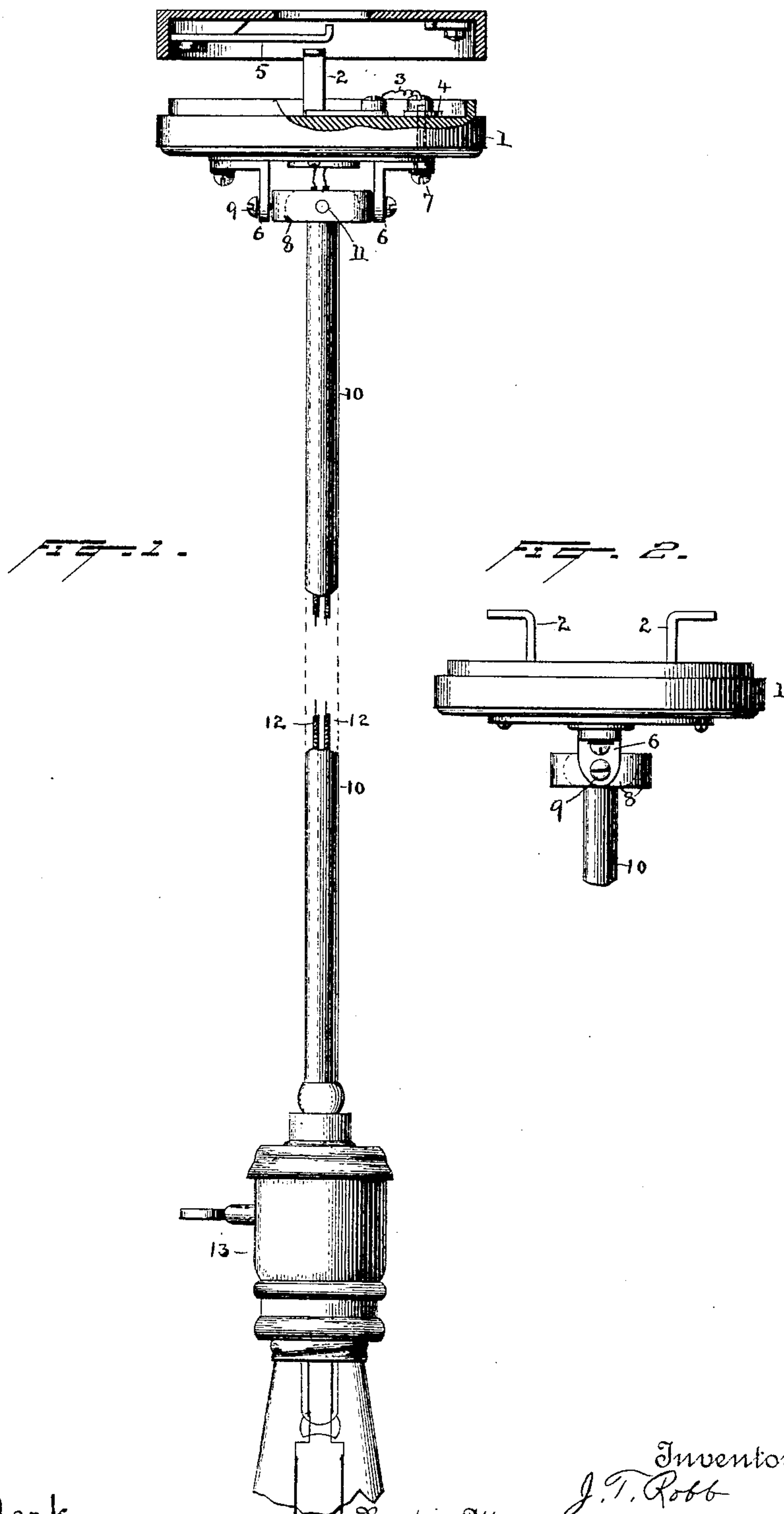


(No Model.)

J. T. ROBB.  
ELECTRIC LIGHT FIXTURE.

No. 480,745.

Patented Aug. 16, 1892.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES T. ROBB, OF MOUNT VERNON, ASSIGNOR TO THE EDISON GENERAL ELECTRIC COMPANY, OF NEW YORK, N. Y.

## ELECTRIC-LIGHT FIXTURE.

SPECIFICATION forming part of Letters Patent No. 480,745, dated August 16, 1892.

Application filed August 31, 1891. Serial No. 404,229. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES T. ROBB, a subject of the Queen of Great Britain, residing at Mount Vernon, in the county of Westchester and State of New York, have invented a certain new and useful Improvement in Electric-Light Fixtures, of which the following is a specification.

The present invention relates to electric-light fixtures adapted to be suspended from the ceiling or a similar support and to carry incandescent lamps or other electrical devices; and the object of the invention is to provide a fixture which can be readily attached to the ceiling-terminals, in which the conductors are protected, and to provide a fixture which shall hang perpendicularly without regard to the plane in which the block carrying the terminals is secured.

In the accompanying drawings, which illustrate the improvement, Figure 1 is a side view of the fixture detached from the ceiling-block which carries the stationary terminals, and Fig. 2 is a view of a portion of the fixture at right angles to Fig. 1.

1 is a block or disk of insulating material supporting the hook-shaped terminals 2, fusible conductors 3, and metal plates 4, arranged in the manner well understood. Said hook-shaped conductors are adapted to be inserted by the similar-shaped conductors 5, supported in the ceiling block or box, and when the block 1 is turned slightly to support the fixture as well as to complete the electrical circuit. On the lower side of the block 1 are supported brackets 6, which are secured to the block by screws 7, which pass through the brackets, but are insulated therefrom, and which pass also through the plates 4, whereby a bracket and plate are secured in place by a single screw.

8 is a ring supported by the brackets by means of screws 9, which form pivots on which the ring can turn.

10 is a pipe, of brass or any suitable material, the upper end of which is inserted within the ring 8 and is there held by pivot-

pins 11 at right angles to the pivots 9, thus forming a gimbal-joint. This is a well-known form of flexible or universal joint.

12 are conductors extending from the terminals or plates above the block 1 through the pipe 10 to the terminals of the socket 13, which is adapted to carry an incandescent lamp or other electrical device.

The block 1 forms a cover entirely closing the ceiling-box and covering the terminals and is readily put in place or removed. The pipe, mounted as described, thoroughly protects the conductors and at the same time allows the fixture to hang perpendicularly, and although the metal pipe is secured to the block 1 by the same screws that connect the metal plates forming a part of the circuit there is no danger to persons touching the pipe, since there is insulation between said pipe and plates.

By employing the gimbal-joint for supporting the pipe it can be secured directly on the outside of a flat block or cover in the simple and efficient manner described.

Having thus described the invention, what I claim is—

1. The combination of a block or cover carrying terminals on one side, a pipe inclosing or adapted to inclose conductors and adapted to support an electrical device, brackets fixed to the opposite side of said block or cover, and a gimbal-joint between said brackets and pipe, substantially as described.

2. The combination, in an electric-light fixture, of a ceiling block or box carrying within it circuit-terminals, a block carrying hook-shaped terminals adapted to engage the first-mentioned terminals to complete the circuit, conductors from the terminals on the block to an electrical device, and a pipe inclosing the conductors and supporting said device and supported from the block by a gimbal-joint having brackets secured to the lower face of the block, substantially as described.

3. The combination of a block or cover, metal pieces on one side thereof, to which circuit-wires may be connected, brackets on

the opposite side of said block or cover, said metal pieces and brackets being secured to the block by screws, each passing through a bracket and one of said pieces, a pipe adapted  
5 to support an electrical device, and a gimbal-joint between said pipe and said brackets, substantially as described.

This specification signed and witnessed this 13th day of May, 1891.

JAMES T. ROBB.

Witnesses:

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