

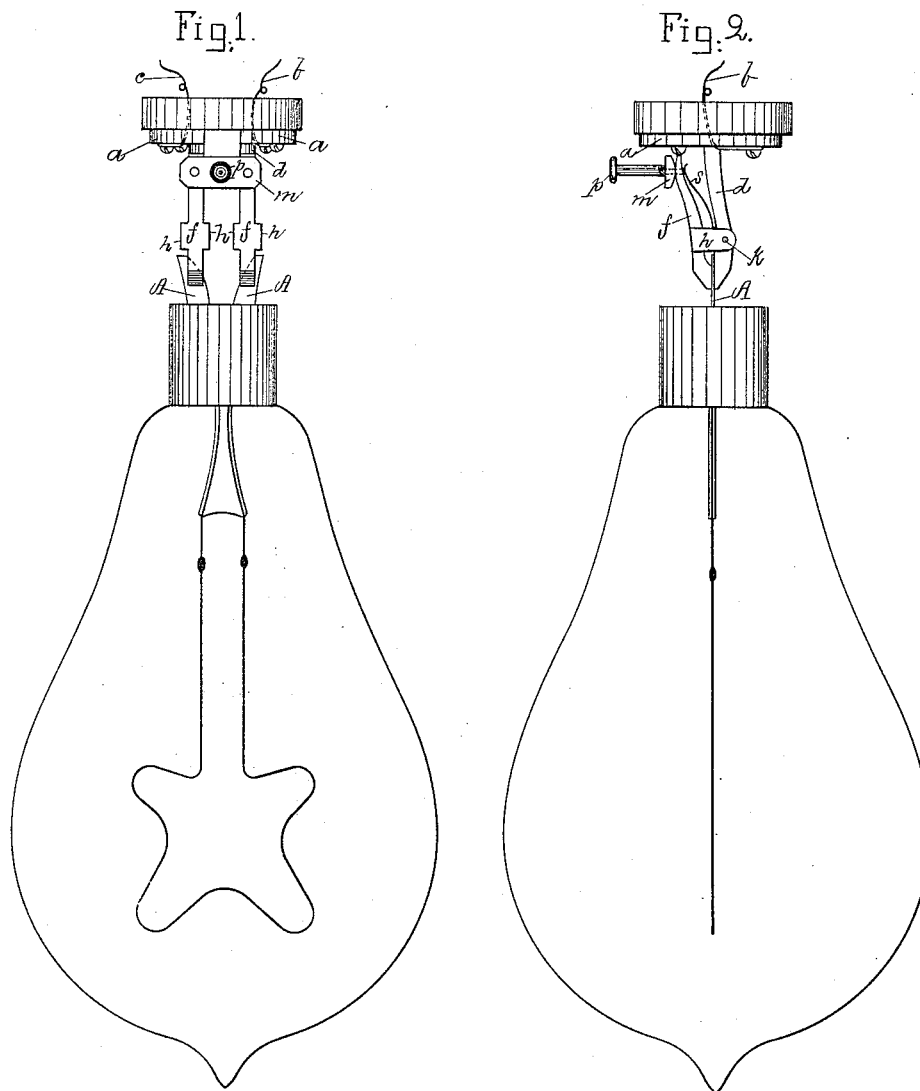
(No Model.)

M. M. M. SLATTERY.

CONNECTING CLIP FOR ELECTRICAL APPARATUS.

No. 344,417.

Patented June 29, 1886.



Witnesses.

Robert Wallaer.

Milan F. Stevens.

Inventor.

Marmaduke M. M. Slattery  
by Wm. A. Macleod  
his atty

# UNITED STATES PATENT OFFICE.

MARMADUKE M. M. SLATTERY, OF WOBURN, MASSACHUSETTS, ASSIGNOR  
TO THE SUN ELECTRIC LIGHT COMPANY, OF SAME PLACE.

## CONNECTING-CLIP FOR ELECTRICAL APPARATUS.

SPECIFICATION forming part of Letters Patent No. 344,417, dated June 29, 1886.

Application filed October 15, 1885. Serial No. 179,936. (No model.)

*To all whom it may concern:*

Be it known that I, MARMADUKE M. M. SLATTERY, of Woburn, county of Middlesex, State of Massachusetts, have invented new and useful Improvements in Connecting-Clips for Electrical Apparatus, of which the following is a full, clear, concise, and exact description, taken in connection with the drawings accompanying and forming a part hereof, in which—

Fig. 1 is a front elevation of a pair of the clips. Fig. 2 is a side elevation.

The object of my invention is the construction of a simple device for making or breaking electrical contact with speed and efficiency; and it consists in the clamps or clips of the peculiar construction hereinafter more fully described.

The primary object of my improved clamp is for use in connection with my electric lamp, which is fully shown and described in an application for Letters Patent therefor of even date herewith filed in the United States Patent Office, and it affords a speedy method of removing the lamp from the circuit or placing it therein. The metallic plates *a a* are each mounted on an insulating base of suitable material, or are otherwise insulated from each other, and are in connection with the main-line wires *b c*. A projection, *d*, is secured to each plate *a*, or is integral therewith, and forms a stationary jaw of the clamps. A movable jaw, *f*, is provided with lugs *h*, secured thereto, which are pivoted at *k* to the stationary jaw *d*. Rearwardly of the pivoted point *k* a suitable spring, *s*, is secured between the jaws *d* and *f*, which tends to hold the rear-

ward portions of the jaws apart, thus closing them at the bite. If it is desirable to open the jaws simultaneously, as is the case in putting in or taking out an electric lamp, I provide a cross-piece, *m*, of non-conducting material, secured to the rear ends of the movable jaw *f*. Into this cross-piece a pin or push-button, *p*, is secured, for convenience in pressing the device with the fingers to open the jaws. The biting ends of the jaws are flattened where they are in contact, in order to insure the connection with the leading-in wires of the lamp, and also to hold the lamp more securely in position; and the faces of the jaws where they come together may be roughened or serrated, if desired, in order to better grip the pieces *A* which form part of the leading-in wires.

What I claim is—

1. An electrical connecting-clamp consisting of the separately-insulated base-plates *a a*, each provided with a jaw, *d*, connected therewith, and a jaw, *f*, pivoted to each jaw *d*, and actuated by spring *s*, substantially as shown and described.

2. The combination, in a pair of connecting-clamps, of the movable jaws *f f*, and non-conducting cross-piece *m* and its push-button *p*, whereby by pressure upon the cross-piece both clamps may be operated simultaneously, for the purposes and substantially as shown and described.

MARMADUKE M. M. SLATTERY.

Witnesses:

WM. A. MACLEOD,  
ROBERT WALLACE.