

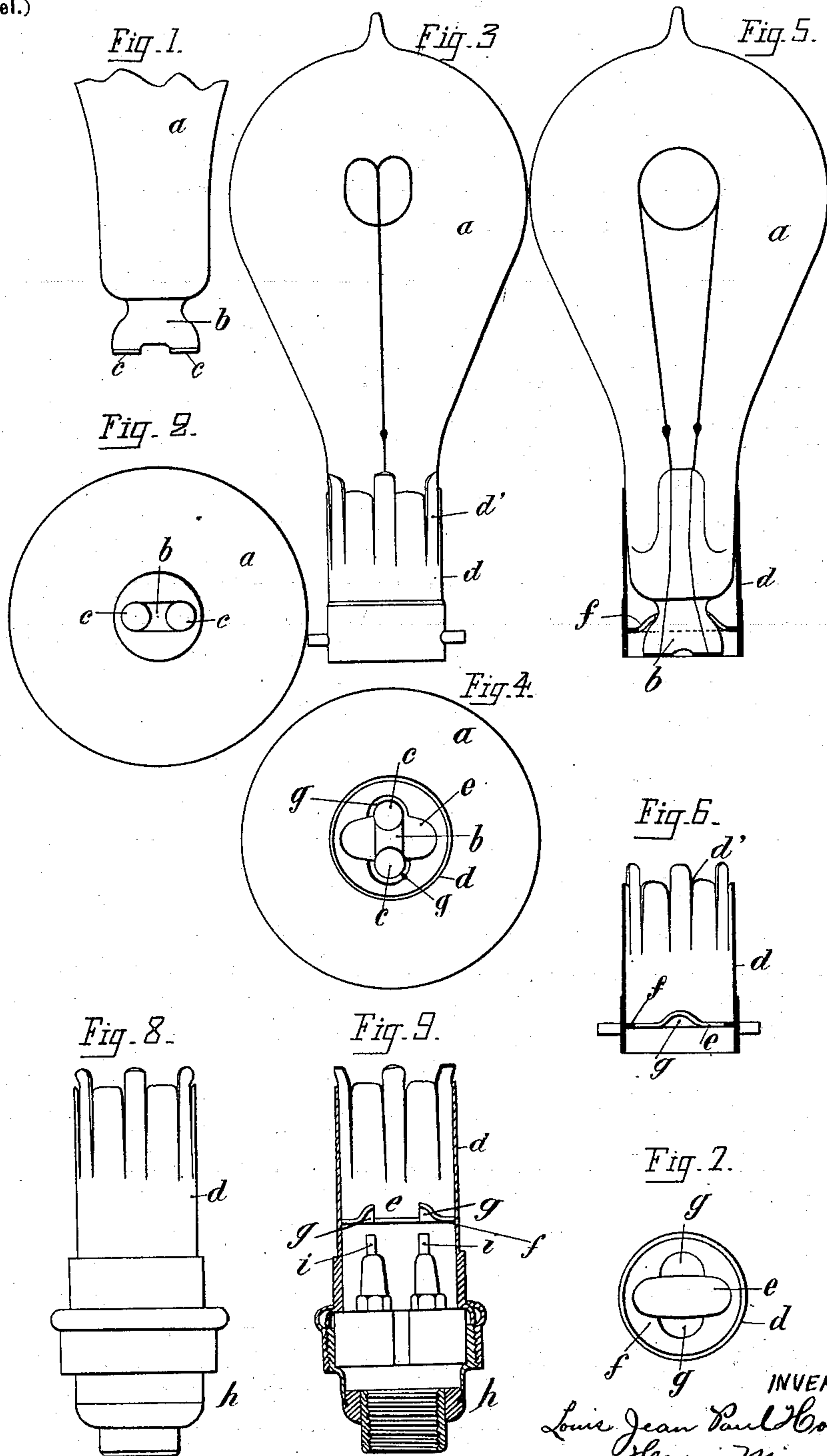
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Patented Sept. 11, 1900.

L. J. P. HOLLUB & H. MIGNAL.  
DEVICE FOR FIXING INCANDESCENT ELECTRIC LAMPS.

(Application filed May 29, 1900.)

(No Model.)



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

LOUIS JEAN PAUL HOLLUB AND HENRI MIGNAL, OF PARIS, FRANCE.

## DEVICE FOR FIXING INCANDESCENT ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 657,541, dated September 11, 1900.

Application filed May 29, 1900. Serial No. 18,455. (No model.)

*To all whom it may concern:*

Be it known that we, LOUIS JEAN PAUL HOLLUB, engineer, of 17 Avenue Rapp, and HENRI MIGNAL, gentleman, of 31 Rue Richer, Paris, in the Republic of France, have invented a new or Improved Device for Fixing Incandescent Electric Lamps, of which the following is a full, clear, and exact description.

This invention relates to an improved device for fixing incandescent electric lamps, the arrangement consisting substantially of a T-shaped part formed upon or applied to the head of the bulb, in combination with a spring-socket retaining the T-piece in the position in which it has been placed.

The invention will be readily understood by reference to the accompanying drawings, in which—

Figure 1 is a detached view of the head of a lamp-bulb provided with our special T-shaped part. Fig. 2 is a corresponding plan view. Fig. 3 is an elevation of a lamp provided with our invention. Fig. 4 is a plan view as seen from below. Fig. 5 shows the same lamp in elevation with the socket in section. Fig. 6 is a detail view of the socket in vertical section. Fig. 7 is a plan view of the socket. Fig. 8 represents the socket and its holder in elevation, and Fig. 9 shows the socket and its holder in vertical section.

In the various figures similar letters of reference are employed to designate like parts.

As represented in the drawings, the lamp-bulb *a* comprises a T-shaped portion *b*, through the arms of which pass the leading-in wires, which terminate at two metallic contacts *c*, which are secured in any suitable manner, as by means of a suitable glue, upon the arms of the T-shaped part.

The head or attachment portion of the lamp is engaged in a socket *d*, in which are formed slits *d'*, so arranged that a spring action may be exerted upon the conical portion of the head of the lamp. Internally the socket *d* is provided with a diaphragm *f*, in which is formed an oblong aperture *e*. This diaphragm *f* also presents two recesses *g*, arranged at right angles and obtained by pressing. In order to fix the lamp in its socket, the T-piece is engaged in the slot *e*. Then by rotating

the lamp through ninety degrees the arms of the T-piece are caused to engage in the recesses *g* of the diaphragm, and the lamp is fixed. The extremity of the socket *d*, which acts as a spring upon the head of the bulb, forces this latter back, and thus causes the arms of the T-piece to engage in the recesses *g* and maintain them in this position.

The lamp-holder is connected to the socket *d* either by means of a screw-thread or by means of a bayonet-joint. In either case the metallic contacts *c* of the lamp make contact with the spring contact-pieces *i* of the holder in the usual manner.

The form, details, accessories, materials, and dimensions of our novel fixing device may of course vary without thereby affecting the principle of our invention. Thus, for example, the T-shaped part may, if desired, consist of a metal part applied upon the head of the lamp-bulb, with its two poles conveniently disposed and insulated.

We claim—

In a device for fixing incandescent electric lamps, a T-shaped part *b* formed upon or applied to the head of the lamp-bulb, in combination with a socket *d* provided with a diaphragm *f* in which is formed an oblong aperture *e*, in such a manner that upon engaging the T-piece *b* in the aperture *e* and turning the lamp through ninety degrees this latter is fixed by the arms of the T-shaped piece, which engage in the recesses *g* in the diaphragm *f*, the extremity of the socket comprising slits *d'* in such a manner as to exert a spring action upon the conical portion of the head of the lamp and thus constantly maintain the arms of the T-piece engaged in the recesses *g* substantially as hereinbefore described and illustrated in the accompanying drawings.

The foregoing specification of our new or improved device for fixing incandescent electric lamps signed by us this 15th day of May, 1900.

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Witnesses:

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