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SUPPORT FOR THERMIONIC TUBES

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Fig. 1

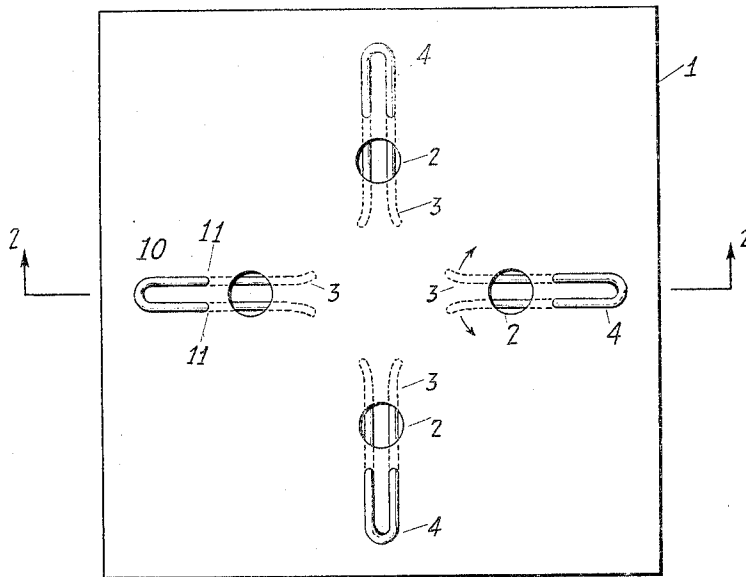
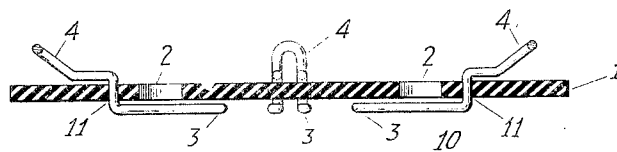


Fig. 2



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SUPPORT FOR THERMIONIC TUBES

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The present patent application relates to a support or socket for thermionic tubes which differs from the usual type in that the contact springs are arranged not parallel, but perpendicular to the axis of the tube base. In this way special simplicity and reliability are attained.

An object of the invention is to provide such a device which is cheap to make and yet efficient in use.

Other objects will be apparent from the following description and appended claims when considered with the accompanying drawing in which:

Fig. 1 is a plan view of my support or socket and

Fig. 2 is a section on the line 2—2 of Fig. 1.

Referring to the drawing the plate 1 is pierced at four rectangularly arranged points to provide sockets 2 for tube plugs leading to the various elements within the tube and projecting a substantial amount from the base of the tube. The plug contacts into which the tube plugs are inserted consist of forks 10 made of resilient wire or such and are arranged generally perpendicular to the axis of the plugs. The resilient branches 3 of the forks are inserted through holes 11 in the plate 1, and when the tube is placed in position these branches are pressed apart by the tube plugs in a plane perpendicular to the axis of the plugs.

The single forks are arranged on the plate 1 in such a way that the open ends of the forks lie below the plate 1, while those parts of the forks which are formed into hooks 4, lie above, that is, on that side of the plate which faces the tube. These four hooks 4 are bent out of the plate by about 90° and are employed as connection contacts for the sources of currents, and furthermore may be employed as an arrangement which acts as a resilient support for the tube.

Without altering the principle of the invention, straight elastic bands or wires, arranged below the plate 1 can be used instead of the fork 10, and when the tube is placed in position, these bands are bent aside round their fastening points (centers of motion) in

a plane perpendicular to the axis of the tube plugs.

Having described my invention I am entitled to all modifications thereof as fairly fall within the scope of the following claims.

I claim:

1. A tube socket comprising a flat perforate plate and a plurality of elastic spring members secured therein by passing through the plate, to provide terminals and contact springs, said contact springs consisting of wire forks, the resilient branches of which are adapted to be pressed apart by the plugs of the tube when the latter is fitted in the socket and the plugs are passed through the perforations of the plate, the terminal parts consisting of eye portions integral with the contact springs for securing connecting wires.

2. A tube socket comprising a perforated plate having a plurality of spaced perforations therein, and a plurality of contacts comprising wires passing through said plate and firmly carried thereby, one end of said contacts terminating in spring forks disposed in line with said perforations, the other end of said contacts terminating in loops for securing connecting wires.

3. A tube socket comprising a perforated plate having a plurality of spaced perforations therein, and a plurality of contacts comprising members passing through said plate and firmly carried thereby, said members terminating at one end in resilient members disposed adjacent said perforations and at the other end in means for securing connecting wires to said contacts on the same side of the plate as the tube.

4. A tube socket comprising a perforated plate having a plurality of spaced perforations therein, and a plurality of contacts comprising members passing through said plate and firmly carried thereby, said members terminating at one end in resilient means disposed adjacent said perforations and adapted to grip the plugs of the tube when it is fitted in the socket and at the other end in means for providing electrical connections on the same side of the plate as the tube.