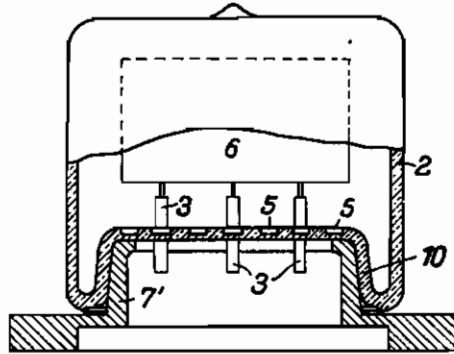


PUBLISHED
MAY 25, 1943.
BY A. P. C.

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ELECTRON TUBES
Filed April 9, 1941

Serial No.
387,645



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ALIEN PROPERTY CUSTODIAN

ELECTRON TUBES

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Application filed April 9, 1941

In electron tubes for short waves the supply leads should be short and the insulating materials are required to be of low dielectric losses. Where the tubes are to be interchangeable they must be provided with a suitable base or the glass bulb must be shaped to perform the office of such base.

According to my copending application Serial No. 335,048, filed May 14, 1940, the vessel of electron tubes may be made entirely of glass, no insulating material other than glass being needed.

An electron tube so constructed is shown in the drawing, which is a sectional view thereof and also represents by way of example the improvement described hereafter.

The bulb 2 has a base carrying inleads 3 sealed into the bottom 10 thereof. The leads 3 support the electrode system 6 in well known manner and are to engage with contact means, not represented, of a socket 7' of which only so much is shown as is necessary for understanding the in-

vention. The inner surface of the bottom 10 has flutings or corrugations 5 or may be provided with radial grooves. This adds to the insulating property of the base.

In accordance with the present invention the bottom 10 is arranged to act as a stop for the socket 7'. Preferably, bottom 10 is a reentrant part of the bulb. The base of the bulb is thus formed with an annular wall portion encircling the leads 3 in a manner to protect them from injury.

The novel arrangement has the advantage that the inductance of the supply leads is the same in the case of all electron tubes of a definite construction. This is important especially for short wave tubes since here small differences between the inductance of the supply leads of one tube compared with another require the adjusted transmitter or receiver to be readjusted.

EDMUND LÖPP.