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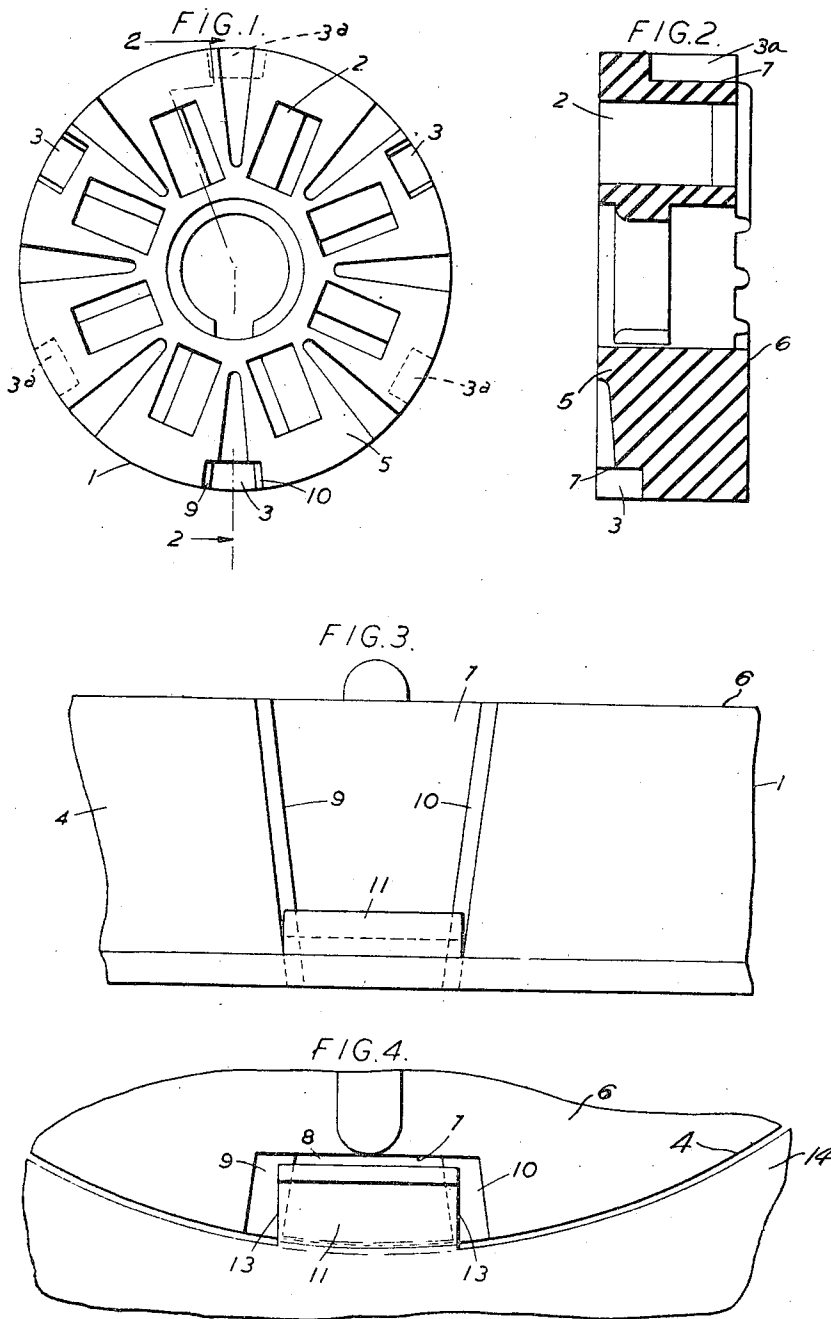
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2,500,892

HOLDER FOR THERMIONIC VALVES

Filed Nov. 21, 1946

2 Sheets-Sheet 1



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FIG. 5.

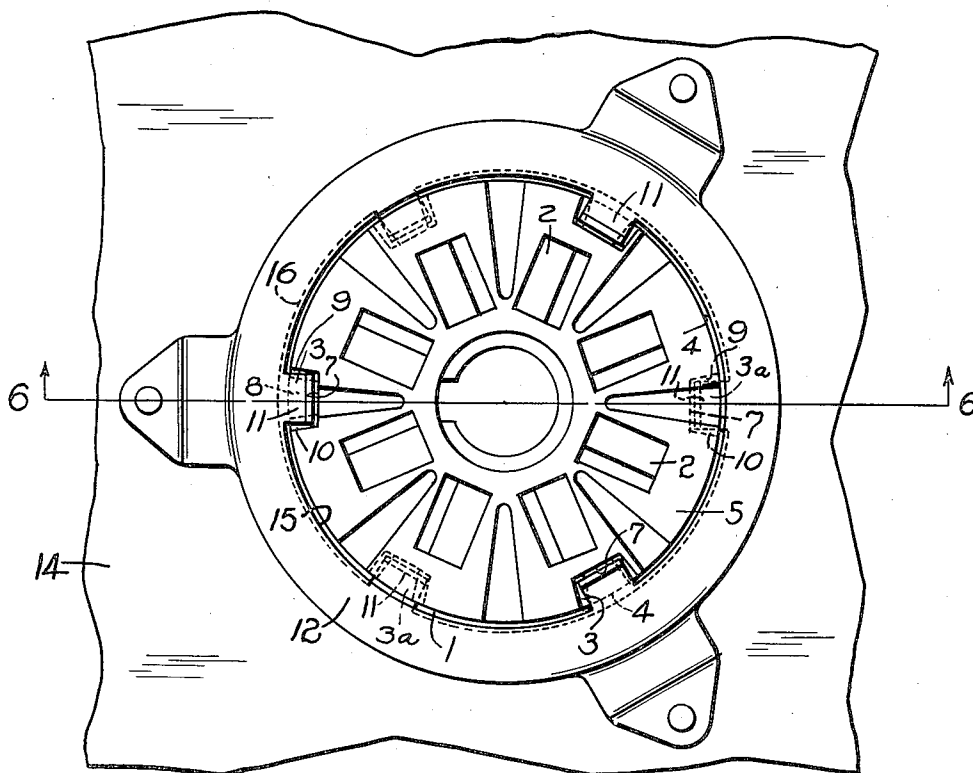
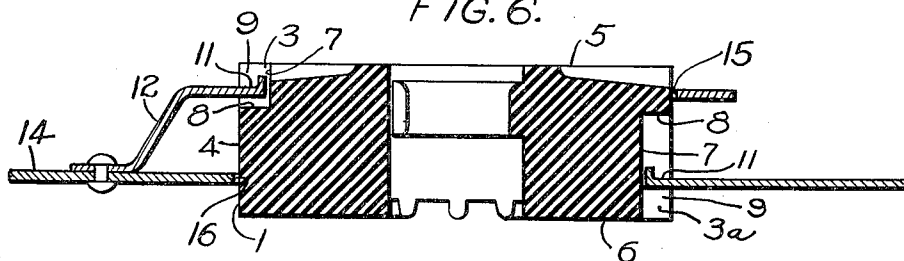


FIG. 6.



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HOLDER FOR THERMIONIC VALVES

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2 Claims. (Cl. 173-339)

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This invention relates to holders for thermionic valves, plugs or other electrical devices and means for securing them to saddles for mounting them on supports.

It is known to provide holders with peripheral recesses to receive locating tongues projecting inwardly of a saddle member. In the case of holders moulded from ceramic or like material it is difficult to mould the recesses with any fine degree of accuracy and the large tolerances usually necessary result in a loose fit of the tongues in these recesses.

It is an object of the present invention to provide means whereby any loose fit of the tongue in the recess of the holder may be taken up so as to ensure a firm non-rattling connection between the parts.

According to the present invention a holder for thermionic valves, plugs or other electrical devices is formed with axially extending recesses opening on to the peripheral side wall of the holder to receive tongues on a mounting member adapted to be secured to a support, the recesses being of wedge or like shape to allow the tongues to be entered and forced into gripping engagement with the walls of the recess.

To enable the invention to be fully understood it will now be described with reference to the accompanying drawings, in which:

Fig. 1 is a plan view of a holder embodying one form of the invention,

Fig. 2 is a sectional elevation on the line 2-2 of Fig. 1,

Fig. 3 is an enlarged side view of part of the holder showing a recess,

Fig. 4 is a plan view thereof,

Fig. 5 is a plan view of the holder in assembled relation with a mounting device, and

Fig. 6 is a view in section on line 6-6 of Fig. 5.

As shewn in the accompanying drawings the holder 1 is of substantially cylindrical shape and is moulded from ceramic material. The holder is formed with the usual apertures 2 for receiving contact sockets for contact pins on a valve or electrical plug device. The holder is also formed with a series of three recesses 3 which open on to the peripheral side wall 4 and upper face 5 of the holder and a series of three recesses 3a which open on to the side wall 4 and under face 6 of the holder. The walls defining the recess of each recess comprise an inner wall 7, a base 8 and opposed side walls 9 and 10. As shown more particularly in Figs. 3 and 4, the opposed walls 9, 10 of each recess are inclined toward one another in two planes and provide a recess which tapers in-

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wardly from the peripheral wall 4 of the holder toward the inner wall 7 of the recess, and also tapers inwardly from the upper and lower faces of the holder, in the case of recesses 3 and 3a respectively, towards the base 8 of the recess. Inwardly tapering or wedge-shaped recesses are thereby provided.

Referring to Figs. 5 and 6, the mounting members may comprise two complementary annular parts 12 and 14 made of sheet metal having central openings 15 and 16 therein to receive the body of the holder 1. Part of the lower of these parts is shown in Figs. 3 and 4 but each part 12 and 14 is provided with three integral sheet metal tongues 11 extending inwardly into the openings 15 and 16 which are entered into the recesses and forced inwardly until their side edges 13 make frictional gripping engagement with the walls 9, 10 and are wedged in position therebetween. If desired the tongues 11 may be deformed or bent in the recesses to make the necessary frictional engagement with the walls of the recess.

The mounting member accordingly makes a firm non-rattling connection with the holder.

By providing alternate recesses 3 and 3a opening into the upper and lower faces of the holder, the peripheral flange normally provided on a holder for clamping between the complementary parts of the mounting member may be omitted.

It will be understood that any desired number of recesses may be provided, all or only some of which may have tapering walls as described above.

I claim:

1. A holder for thermionic valves, plugs or other electrical devices including a holder body having an upper face, a lower face and a peripheral side wall and a first and a second series of wedge-shaped mounting recesses on said side wall, each recess having an inner wall extending axially and at one end intersecting one of said faces, a base wall extending from the other end of said inner wall and intersecting said peripheral side wall, and opposing side walls extending from the sides of said inner wall inclined outwardly intersecting said peripheral side wall and extending from said base wall inclined outwardly intersecting said one of said faces, the recesses of said first series opening on said upper face and said peripheral side wall, and the recesses of said second series opening on said lower face and said peripheral side wall.

2. A holder for thermionic valves, plugs or other electrical devices including a holder body having an upper face, a lower face, and a peripheral side wall, wedge-shaped mounting recesses

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spaced around on said peripheral side wall opening on said peripheral side wall, each recess having its opposing side walls inclined outwardly toward one of said faces, said recesses opening alternately on said upper and said lower faces, and a mounting device including an upper member and a lower member, each member having an aperture and inwardly extending tongues spaced around the edge thereof, the tongues on said lower member being wedged into the recesses opening on said lower face and the tongues on said upper member being wedged into the recesses opening on said upper face.

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