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E. WEBER

1,704,414

RADIO TUBE CASE

Filed March 15, 1926

Fig. 1,

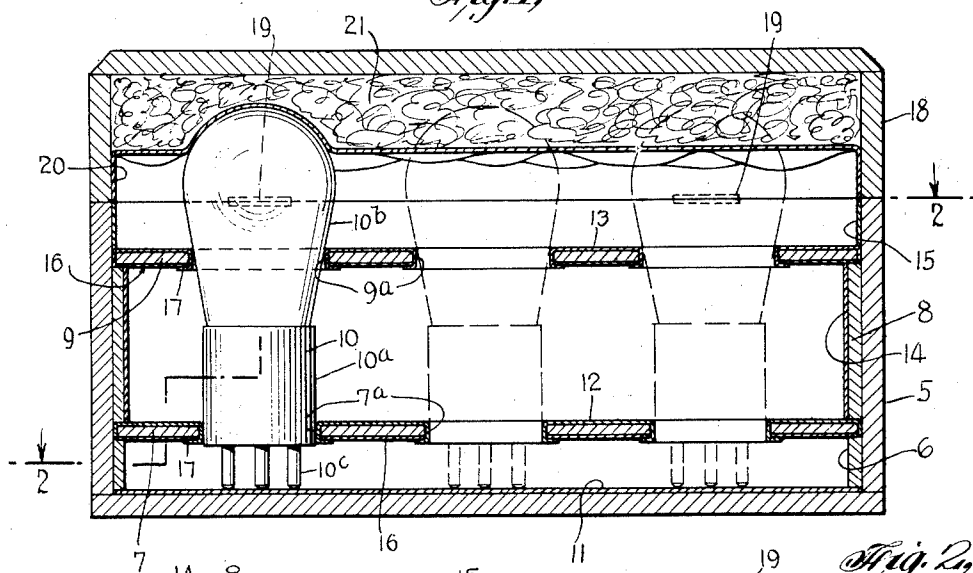


Fig. 2,

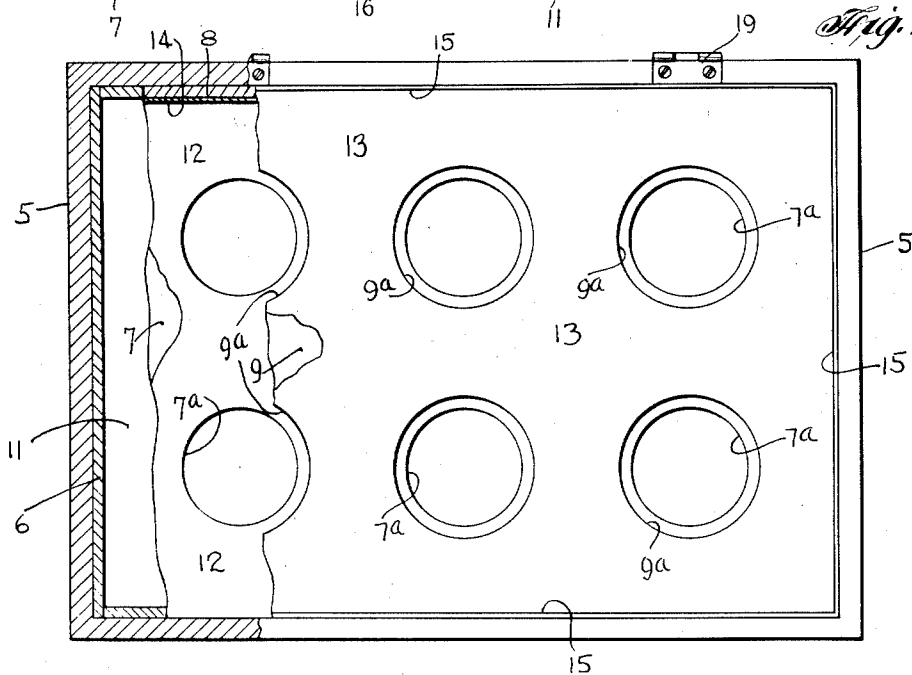
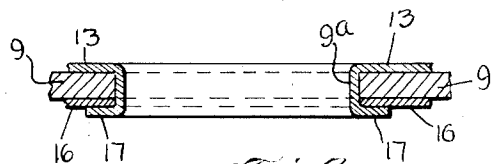


Fig. 3,

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RADIO TUBE CASE.

Application filed March 15, 1926. Serial No. 94,704.

This invention relates to cases or cabinets for use in storing or packing radio tubes and for retaining said tubes against breakage, destruction or abuse when the same are not
 5 in use; and the object of the invention is to provide a case consisting of a body portion and cover with means within the body portion for supporting the radio tubes in up-
 10 right position; a further object being to provide the inner surfaces of the box, case or cabinet including the supporting means therein with fibrous coverings especially
 15 where such faces are exposed to view when the case is in open position to produce a rich and finished appearance and also to cushion the tubes where they engage the
 20 box or case or the supporting means therein; a still further object being to provide the inner face of the cover with a cushion body adapted to bear upon the top of the tube or
 25 tubes to hold the same firmly in position and to act as cushion means to take up any jar or vibration to which the case may be subjected; and with these and other objects
 30 in view, the invention consists in a case of the class and for the purpose specified which is simple in construction, efficient in use, and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each
 35 of the views, and in which:—

Fig. 1 is a sectional view through a box or case made according to my invention and indicating the method of its use.

Fig. 2 is a section on the broken line 2—2
 40 of Fig. 1 of the drawing; and,

Fig. 3 is a sectional detail of a part of the construction shown in Fig. 1 on an enlarged scale.

In the preferred form of my invention it
 45 is my object to produce a box, case or cabinet made strong and durable and rich in appearance in the fittings and finishings provided therefore, in the manner of constructing a
 50 jewelry case, whereby such articles as radio tubes may be properly cared for and stored away when not in use, it being understood however, that my invention is not necessarily limited to the use and purpose set out, as the box or case may be used as a shipping
 55 box or case in the manufacture, sale and

shipment of radio tubes and like devices requiring protection against destruction.

In the drawing, I have shown at 5 a box member which constitutes the main body of the box or case and which may be composed
 60 of any desired material and fashioned in any way. In practice, I mount in the box or case at the bottom and adjacent the walls thereof, comparatively thin and narrow
 65 strips 6 upon which is placed a partition wall member 7 which fits snugly within the walls of the box 5 and secured thereto in any desired manner and mounted upon the partition
 70 wall 7 adjacent the side walls of the box 5 are other comparatively thin but wide strips 8 upon which is placed another partition wall 9 which also fits snugly within the
 75 box or case and is secured thereto in any desired manner. From the foregoing, it will be apparent that the strips 6 space the partition wall 7 from the bottom of the box
 80 or case a predetermined distance governed by the width of said strips, while the strips 8 space the partition wall 9 from the partition wall 7, the wall 9 being arranged adjacent
 85 the top of the case or box 5 as clearly described in Fig. 1 of the drawing.

Each of the partition walls 7 and 9 in the construction shown are provided with six
 90 circular apertures, the apertures in one wall being in axial alinement with the apertures of the other wall and the apertures 7^a in the partition wall 7 are of less diameter than the apertures 9^a in the partition wall 9 whereby
 95 when the radio tube 10 is mounted in the box or case 5, the socket end 10^a of said tube fits within one of the apertures 7^a, and the bulb end 10^b fits within an aperture 9^a in the wall 9, directly above the first named aperture in the wall 7. The terminals 10^c
 100 of the tube rest upon the bottom of the box or case 5.

The inner face of the bottom of the box or case 5 is covered by a fabric facing 11
 105 which may be of any rich appearing fabric, such for example as velvet or velour, and the upper faces of the partition walls 7 and 9 have similar facings 12 and 13 respectively, while the inner faces of the strips 8 are provided with fabric facings 14 and the inner
 110 face of the box 5 above the partition wall 9 with a corresponding face 15.

All of the fabric faces may be glued or otherwise secured in position, and in the event that boards are employed for the par-
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tition walls 7 and 9 and constructed of comparatively thin wood, sheets of cardboard 16 are preferably secured to the lower faces of said walls to prevent the warping of said partition walls. In securing the facings 12 and 13 in position, portions thereof are folded downwardly to cover the walls of the apertures 7^a and 9^a and secured to the lower faces of said walls or the cardboard 16 secured thereto as seen at 17 in Figs. 1 and 3 of the drawing.

I also provide a cover 18 for the box or case 5 which is hinged to one side wall by hinges 19, and the cover 18 is provided with a fabric facing 20 mounted on the inner faces of the side walls and traversing said cover in spaced relation with reference to the inner face of the top of the cover in a gathered arrangement to render the same flexible. Between said facing and the top of the cover is placed suitable padding material 21 such as cotton-wadding or the like so that when the cover 18 is closed, the cushioning material formed by the facing 20 and cotton wadding 21 will permit the bulb 10^b of the tube to elbow itself in said cushioning material to firmly support the tube in proper position and to compensate for any shocks or vibrations to which it may be subjected.

In radio apparatus, it is oftentimes necessary or desirable to remove the tubes from the apparatus for repair of the radio apparatus or for other purposes and to store such tubes for a period of time, and in view of the sensitiveness of the tubes or the elements thereof, after the same have been in use or operation for a period of time, it is desirable to handle and store such tubes with care. It is also preferred that the tubes be supported in upright position, and by providing a box, case or cabinet of the class shown

in the accompanying drawing and above described, a useful article for the intended purpose is provided. It will also be apparent however, that the case may be used as a shipping case in the shipment of radio tubes and similar articles from place to place. While I have shown and described certain details of construction for carrying my invention into effect, it will be understood that I am not necessarily limited to these details, and various changes therein and modifications thereof may be made within the scope of the appended claims without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

A radio tube case of the class described comprising a box member and a cover member hinged to one side of the box member and forming a closure for the open end thereof, two partitions arranged in spaced relation within the box member and having apertures in axial alinement in which the tubes are adapted to be placed, the apertures in one partition being all of the same size and of greater dimensions than the apertures in the other partition, means on the inner walls of the box member for spacing said partitions from each other, and the lower partition from the bottom wall of the box member, and the inner walls of said box member and cover and the upper walls of said partitions having coverings of fibrous, cushioning material, protecting and offsetting the tubes when mounted in the case.

In testimony that I claim the foregoing as my invention I have signed my name this 11th day of March 1926.

ENGELBERT WEBER.