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MEANS FOR RESILIENT MOUNTING OF UNITS

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Fig. 1

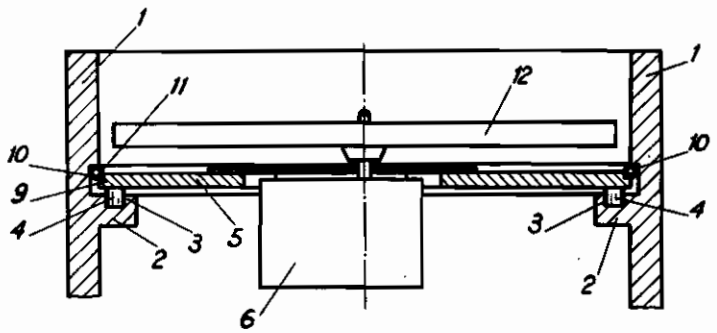


Fig. 2

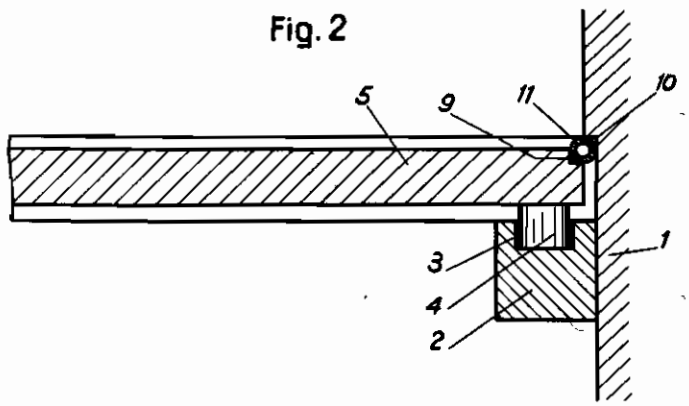
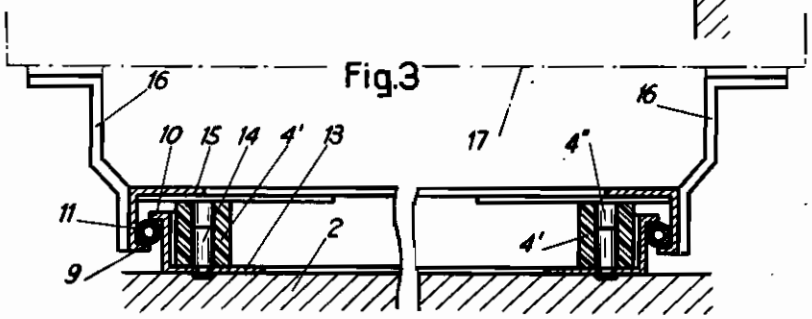


Fig. 3



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MEANS FOR RESILIENT MOUNTING OF UNITS

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This invention relates to resilient or damped mounting of parts or units embodied in radiophonic apparatus, talking machines and the like, on supports therefor and more particularly in the respective containers as cases and cabinets.

In this invention a carrier as a plate or frame carrying the part or unit to be supported resiliently is mounted on a support or in a container to bear thereon and is engaged with perimetrical parts of said container by the intermediate of resilient members.

More particularly in a preferred embodiment of this invention said carrier is engaged with the perimetrical walls of the container by means of a peripheral lining of soft material which may consist of a rubber cord or pipe, said lining being located intermediate an abutment provided in said carrier and a cooperating abutment provided in said support or container.

Said carrier preferably bears on said support or container by resilient or soft pads, say of rubber, which may be engaged on fasteners provided within the periphery of the cooperating carrier and support.

This invention is hereinafter described in two embodiments thereof given by way of example and with reference to the annexed drawing in which:

Fig. 1 is a vertical section of a cabinet in which a driving unit for talking machine records is mounted in accordance with this invention, said unit including a driving motor and a turn plate driven by said motor and intended to carry and drive a record;

Fig. 2 is a fragmentary section reproducing a right hand portion of Fig. 1 to an enlarged scale;

Fig. 3 is a fragmentary section of an arrangement according to this invention for mounting a radio receiver chassis in a cabinet.

In the embodiment of Figs. 1 and 2, a talking machine record turn device comprising an electric motor 6 and a turn plate 12 located on a carrier plate 5, is located within a cabinet comprising the perimetrical walls 1 said plate 5 being supported on said perimetrical walls 1. The said perimetrical walls 1 are provided in their internal surface with a seat in which a soft lining 11 is located and the edges of the plate 5 abut on said lining 11 the plate 5 and the unit carried thereby being thus held in position resiliently.

The soft lining 11 which interengages the plate 5 with the walls 1 of the cabinet is located intermediate a stepped notch 10 of the said perimetrical walls 1 and an edge step 9 of the plate 5, said notch and step providing confronting abutments as shown in Fig. 2; the lining 11 conveniently consist of a small-size rubber pipe and it is divided in a number of sections and more particularly in a number of sections which corresponds with the number of sides of the carrier plate 5 and container 1.

The plate 5 is conveniently supported on the walls 1 by the intermediate of soft members, as elastic pads 4, which are conveniently located in seats 3 provided in brackets 2 fast on the internal faces of the perimetrical walls 1 of the cabinet; the pads 4 are conveniently made of soft rubber of the so-called antimicrophonic type.

Fig. 3 shows an embodiment of this invention in connection with resilient mounting of a radiophonic apparatus on a support within a cabinet.

In this embodiment the support member 2 has a frame 13 fast thereon and the edge of said frame has an outward flange 10 providing an outer peripheral abutment; pads 4' of soft rubber are located within said frame 13 and rest thereon.

The chassis of a radio receiver, as outlined at 17, is fastened by means of straps 16 on a carrier frame 15 which bears on said pads 4' and encircles the support frame 13; said frame 15 provides a flange 9 at its lower edge, which extends inwardly under the flange 10 and is vertically spaced under it, to provide an abutment confronting with the abutment provided by said flange 10.

A rubber pipe 11 is located intermediate the abutment flanges 9 and 10 and said pipe 11 resiliently interengages the system 15, 9, 16 with that 13, 10 both in upward and in transverse direction; on the other hand the system 15, 9, 16 is resiliently supported on the frame 13 and support 2 by the intermediate pads 4' which are fastened in position by means of studs 14 extending in recesses 4'' thereof.

As an effect of the described arrangement, the supported unit is resiliently engaged in position both in transverse and in vertical directions; on the other hand the provision of the lining 11 is also efficient to prevent foreign matters from entering beyond it and to improve the appearance of the whole.

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