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M. MARZETTI

2,386,248

MEANS FOR RESILIENT MOUNTING OF UNITS

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Fig. 1

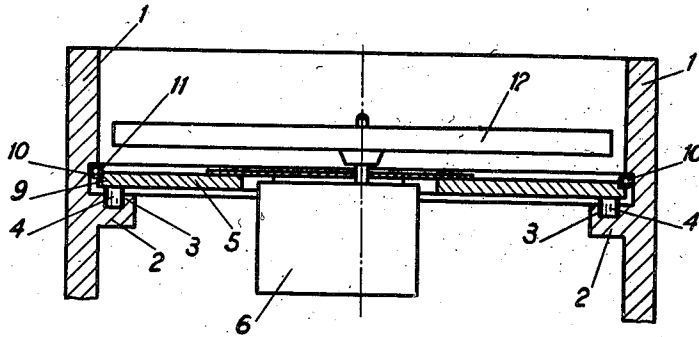


Fig. 2

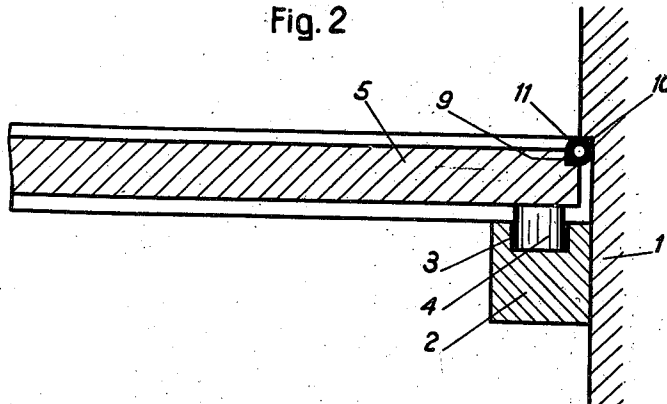
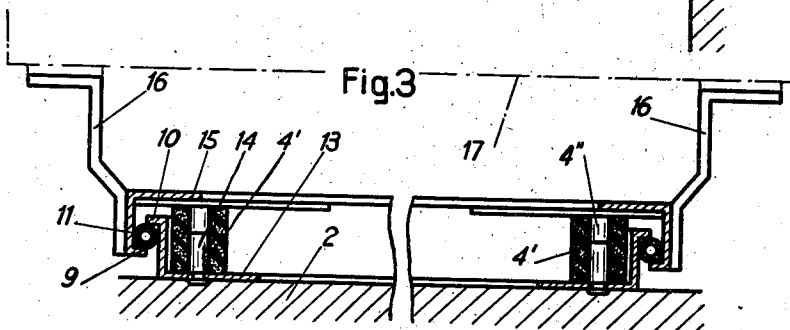


Fig. 3



Inventor:
M. Marzetti
By E. F. O'Rourke
DH7

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MEANS FOR RESILIENT MOUNTING
OF UNITSManlio Marzetti, Milan, Italy; vested in the Alien
Property CustodianApplication January 15, 1940, Serial No. 314,001
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6 Claims. (Cl. 248—22)

This invention relates to resilient or damped mounting of parts or units embodied in radio-
phonic 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 re-
siliently is mounted on a support or in a con-
tainer to bear thereon and is engaged with peri-
metrical parts of said container by the inter-
mediate 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 arrange-
ment 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 elec-
tric motor 6 and a turn plate 12 located on a
carrier plate 5, is located within a cabinet com-
prising 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 inter-
mediate a stepped notch 10 of the said perimetri-
cal 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
consists of a small-size rubber pipe and it is di-
vided in a number of sections and more particu-
larly 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 in-
ternal 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 radio-
phonic 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 radioreceiver, 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 re-
siliently interengages the system 15, 9, 16 with
that 13, 10 both in upward and in transverse di-
rection; on the other hand the system 15, 9, 16
is resiliently supported on the frame 13 and sup-
port 2 by the intermediate pads 4' which are
fastened in position by means of studs 14 ex-
tending 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 appear-
ance of the whole.

What I claim as my invention and desire to
secure by United States Letters Patent is:

1. An arrangement for resiliently mounting an
unit on a support element comprising a carrier
element for said unit, soft pads on said support
element on which said carrier element bears,
said carrier and support elements providing con-
fronting perimetrical faces spaced from each
other in vertical direction, one of said elements
having the outer edges of its said faces located

within the space limited by the internal edges of said faces of the other one of said elements and being clear therefrom in vertical direction to provide for a free respective displacement thereof in said direction and resilient means located intermediate said confronting faces of said carrier and support elements and engaging said carrier with said support said resilient means being the sole means interconnecting said carrier and support laterally and upwardly.

2. An arrangement for resiliently mounting an unit on a support comprising a frame fast on said support, a carrier for said unit, a frame fast on said carrier and encircling said support frame, resilient means in said support frame on which said carrier frame bears, a peripheral outward flange on said support frame, a perimetrical flange on said carrier frame extending inwardly under said support frame flange and vertically spaced therefrom, and a soft lining intermediate said frames and flanges and engaging said carrier with said support laterally and upwardly.

3. An arrangement for resiliently mounting an unit on a support comprising a frame fast on said support, a carrier for said unit, a frame fast on said carrier and encircling said support frame, studs fast on one of said frames, recessed rubber supporting pads intermediate said frames and mounted on said studs, a peripheral flange on said support frame, a perimetrical flange on said carrier frame extending inwardly under said support frame flange and vertically spaced therefrom, and a soft lining intermediate said frames and flanges and engaging said carrier with said support laterally and upwardly.

4. An arrangement for resiliently mounting an unit in a container having perimetrical walls, comprising a carrier for said unit having its peripheral edges adjacent to and spaced from the respective container walls, means in said container walls providing seats in register with and located under the peripheral region of said carrier, resilient means in said container wall seats

on which said carrier bears, said carrier and container walls providing confronting perimetrical faces spaced from each other in vertical direction and resilient means located intermediate said confronting faces of said carrier and container walls and engaging said carrier with said container laterally and upwardly.

5. An arrangement for resiliently mounting an unit in a container having perimetrical walls, comprising a carrier for said unit having its peripheral edges adjacent to and spaced from the respective container walls, means in said container walls providing seats in register with and located under the peripheral region of said carrier, resilient supporting means intermediate said container wall seats and carrier, said carrier providing an abutment along the periphery thereof facing the respective adjacent walls of said container and said container walls having notches extending thereacross and providing a perimetrical abutment confronting with and spaced from said carrier abutment, and a soft lining located intermediate said confronting abutments of said carrier and container walls and engaging said carrier with said container laterally and upwardly.

6. An arrangement for resiliently mounting an unit in a container having perimetrical walls, comprising a carrier for said unit having its peripheral edges adjacent to and spaced from the respective container walls, supporting means in said container over which the edges of said carrier extend; soft rubber pads intermediate said supporting means and carrier edges, said carrier and container walls providing confronting perimetrical abutments spaced from each other in vertical direction and a peripheral lining of soft material intermediate said confronting abutments of said carrier and container walls and engaging said carrier with said container laterally and upwardly.

MANLIO MARZETTI.