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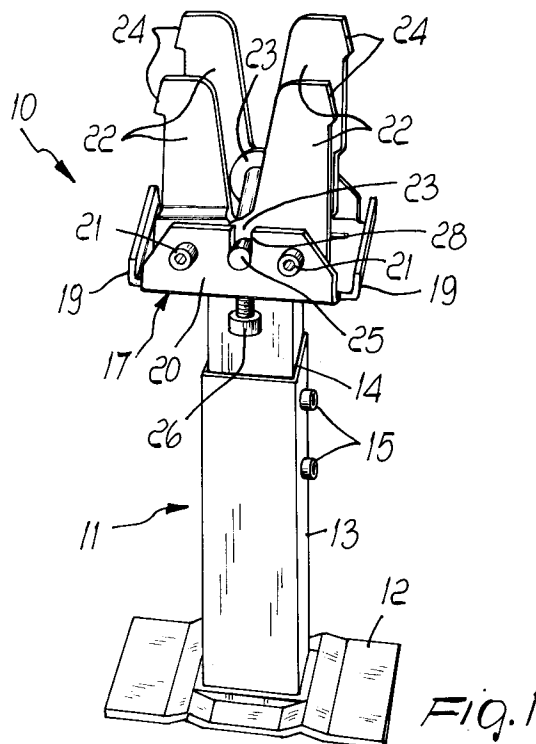
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**I-20123 Milano (IT)**(54) **Support for radiating panels.**

(57) Support for radiating panels, comprising a ground resting foot (11) having, in an upward region, means (17,22) for fixing to the radiating panel (16). The fixing means comprise a supporting base (17) for the radiating panel (16) and at least two mutually opposite levers (22) pivoted on the base (17) in a transverse position, so as to fit between the elements (18) of the panel. The force application region (23) of each lever (22) is associated with pusher means (26,27) rigidly coupled to the base (17) and the resistance application region (24) of each lever (22) is located outwardly so as to rest against a corresponding one of the elements (18) of the radiating panel (16).

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The present invention relates to a support for radiating panels.

It is known that there are essentially two kinds of support for radiating panels: one uses wall fixing means and the other uses ground resting feet.

The latter kind is used mainly for steel radiating panels and is substantially constituted by a ground resting foot, generally of the telescopic type for height adjustment, provided with means for fixing to the radiating panel.

Said fixing means are generally constituted by elements that are inserted in the space between the elements of the panel, rest laterally on them, and are provided with couplings and resting surfaces that couple to the fittings for connection to the hydraulic circuit.

Accordingly, these fixing means are constrained by the position and shape of the fittings, and this limits their flexibility in operation.

It should furthermore be noted that this type of support is constructively relatively complicated and not particularly easy to assemble.

A principal aim of the present invention is to provide a support for radiating panels wherein fixing is independent of the fittings for connection to the hydraulic system.

A consequent primary object of the invention is to provide a support fixable to any desired point of the panel.

Another important object is to provide a fixing device particularly handy and simple.

Another important object is to provide a device constructively simpler than current ones.

Another object is to provide a device that can be manufactured at low cost with conventional equipment and systems.

This aim, these objects, and others which will become apparent hereinafter are achieved by a support for radiating panels, comprising a ground resting foot having, in an upward region, means for fixing to the radiating panel, characterized in that said fixing means comprise a supporting base for said radiating panel and at least two mutually opposite levers pivoted on said base in a transverse position, so as to fit between the elements of said panel, the force application region of each lever being associated with pusher means rigidly coupled to said base, the resistance application region of each lever being located outwardly so as to rest against a corresponding one of said elements.

Further characteristics and advantages of the invention will become apparent from the following detailed description of a preferred embodiment thereof, illustrated only by way of non-limitative example in the accompanying drawings, wherein:

figure 1 is a perspective view of the support according to the invention;

figure 2 is a front perspective view of a radiating panel provided with two supports;

figure 3 is a partially sectional side view of the support;

figure 4 is a partially sectional front view of the support;

figure 5 is a detail view of the support in installed condition.

With reference to the above figures, a support for radiating panels according to the invention is generally designated by the reference numeral 10 and comprises a ground resting foot 11, with a plate-like lower base 12 and with a telescopic post formed by two tubular elements 13 and 14 that are mutually rigidly coupled by means of screws 15.

The foot 11 is provided, in an upward region, with means for fixing to the radiating panel, designated by the reference numeral 16; said means are constituted by a plate-like base 17 having a rectangular plan and being welded to the end of the element 14 of the telescopic post.

The base 17 forms a supporting region for the radiating panel 16, is wide enough to contain the lower edges of the elements 18, and has end flaps 19 folded upwardly so as to form lateral supporting elements for said elements.

Corresponding wings 20 protrude at right angles from the other two sides of the base 17; two mutually opposite and substantially vertical first-class levers 22 are pivoted to each wing 20 by means of threaded pivots 21 in such a position as to fit between the elements 18 of the plate 17; in each one of said levers, the end 23 where force is applied is in a median position, adjacent to the base 17, and the end 24 where resistance is applied is located outwardly and is hook-shaped so as to rest and rigidly couple against a corresponding one of the elements 18.

The ends 23 of the levers 22 of both pairs are arranged side by side and have coaxially arranged holes wherein a pivot 25 is inserted; the tip of a screw 26, driven into a corresponding threaded hole 27 of the base 17, rests on said pivot in a position adjacent to each pair of levers.

The ends of the pivot 25 are contained, and are slideable, within corresponding central guiding slots 28 of each wing 20.

By tightening the screw 26, said screw is pushed onto the pivot 25, producing the simultaneous movement of each lever 22 and the rotation of the ends 24 towards the elements 18 of the radiating panel 16.

Accordingly, the lever 22 pushes against each element 18, and this pushing action is contrasted by the resting coupling of the flap 19 of the base 17.

This, combined with the engagement provided by the end 24, firmly fixes the support 10 to the

radiating panel 16.

At this point it should be noted that the support is fixed directly to the panel and is no longer fixed to the fittings for connection to the hydraulic system; accordingly, it is free from any constraint as regards its fixing and positioning with respect to the panel.

This has provided beneficial results also as regards the constructive configuration, which is simpler than current ones owing to its easy fixing, provided by simply tightening the screws 26.

With particular reference to figure 2, said figure illustrates a radiating panel 16 still enclosed in its package 29 and already provided with two supports 10.

In practice it has been observed that the intended aim and objects of the present invention have been achieved.

The invention thus conceived is susceptible of numerous modifications and variations, all of which are within the scope of the inventive concept.

All the details may furthermore be replaced with other technically equivalent elements.

In practice, the materials employed, so long as they are compatible with the contingent use, as well as the dimensions, may be any according to the requirements.

Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly such reference signs do not have any limiting effect on the interpretation of each element identified by way of example by such reference signs.

## Claims

1. Support for radiating panels, comprising a ground resting foot (11) having, in an upward region, means (17,22) for fixing to the radiating panel (16), characterized in that said fixing means (17,22) comprise a supporting base (17) for said radiating panel (16) and at least two mutually opposite levers (22) pivoted on said base (17) in a transverse position, so as to fit between the elements (18) of said panel (16), the force application region (23) of each lever (22) being associated with pusher means (26,27) rigidly coupled to said base (17), the resistance application region (24) of each lever (22) being located outwardly so as to rest against a corresponding one of said elements (18).

2. Support according to claim 1, characterized in that said supporting base (17) has mutually opposite end flaps (19) folded so as to form

elements for the lateral resting of said elements (18) of said panel (16).

3. Support according to one or more of the preceding claims, characterized in that said levers (22) are first-class levers that lie substantially vertically.
4. Support according to one or more of the preceding claims, characterized in that in said levers (22) the force application region (23) is located in a central adjacent portion of said base (17) and the resistance application region (24) is directed outwardly.
5. Support according to one or more of the preceding claims, characterized in that said levers (22) are pivoted to wings (20) protruding vertically from said base (17).
6. Support according to one or more of the preceding claims, characterized in that said pusher means are constituted by screw means (26) threaded in complementarily threaded holes (27) of said base (17) and act so as to push against said force application region (23).
7. Support according to one or more of the preceding claims, characterized in that the ends (23) of each one of said two levers that correspond to the region where force is applied are arranged side by side and are crossed by holes, coaxial to each other and crossed by a common pivot (25) whereon said screw means (26) rest.
8. Support according to claim 7, characterized in that said pivot (25) is slideably guided with one end in a slot (28) of a corresponding one of said wings (20) protruding from said base (17).
9. Support according to one or more of the preceding claims, characterized in that the ends (24) of each one of said levers (22) corresponding to said resistance application region are hook-shaped.
10. Support according to one or more of the preceding claims, characterized in that it comprises, on said base (17), two pairs of levers (22) in which the ends (23) corresponding to the force application region are joined by a common pivot (25) whereon said screw means (26) rest with their tip.
11. Support according to one or more of the preceding claims, characterized in that said foot (11) is telescopic.

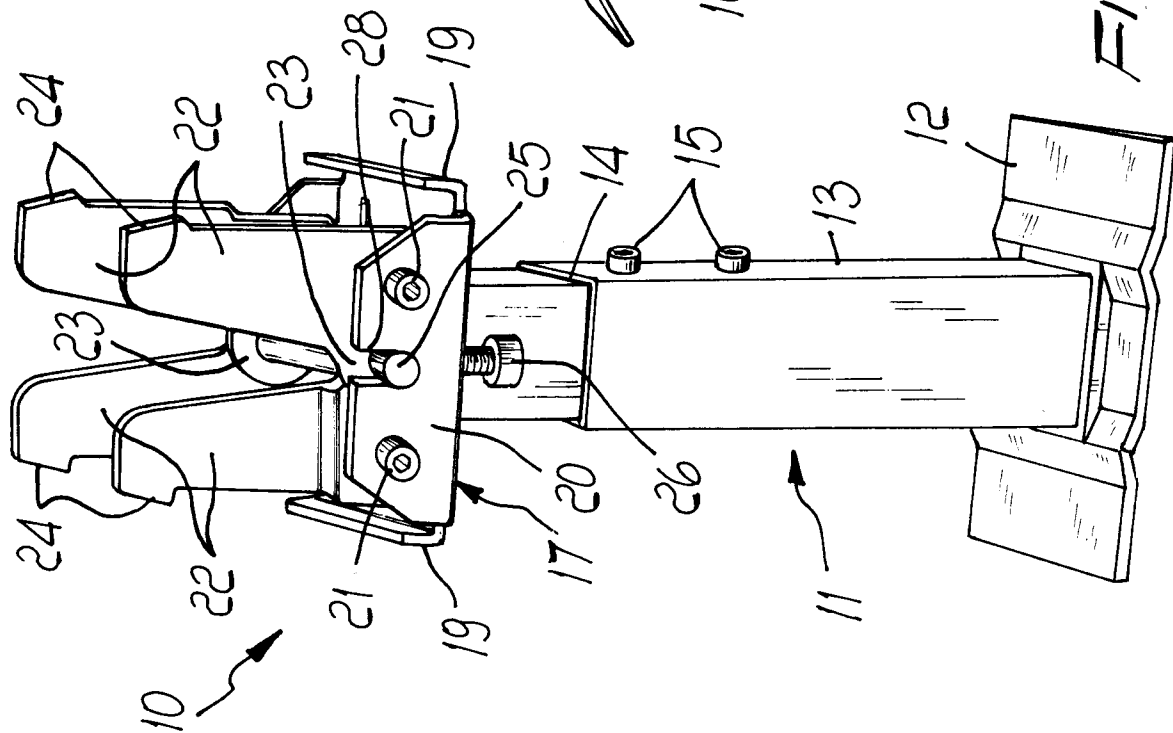


Fig. 1

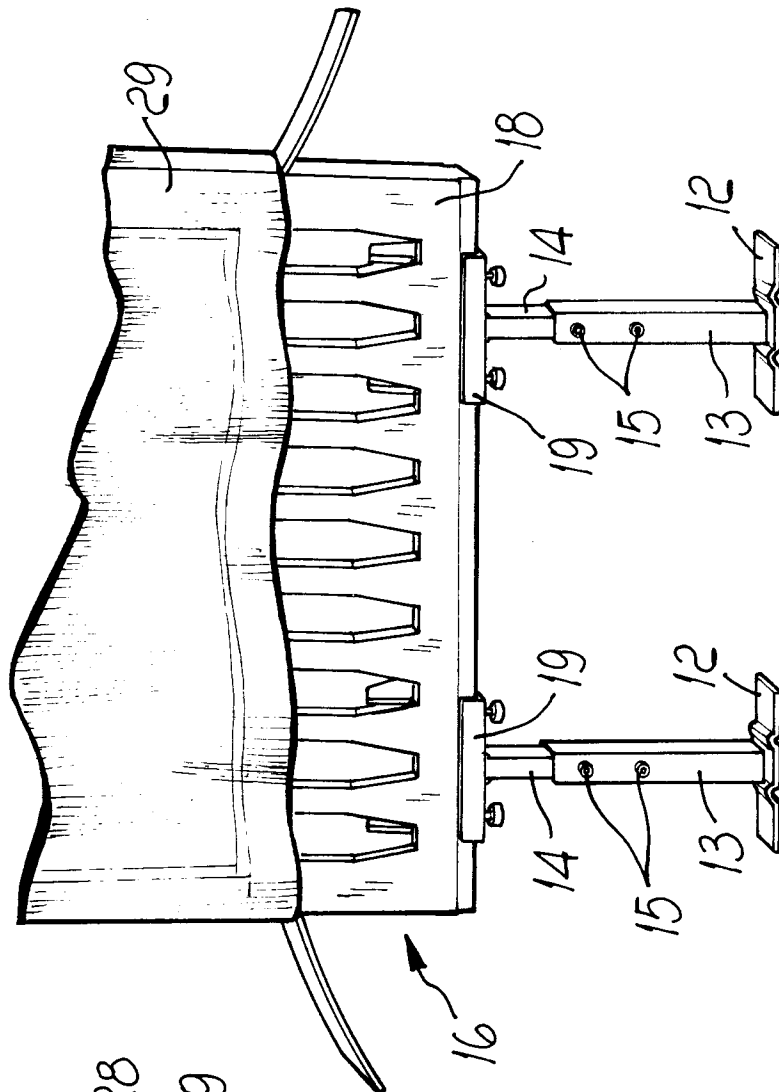


Fig. 2

