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(54) **Hanger for radiating-panel radiator for towels, washing, or the like**

(57) The present invention relates to a hanger for a radiating-panel radiator for towels, washing, or the like, the hanger comprising two arms (10) and at least one

rod-like element which is associated, through its ends, with the ends of the arms. The two arms (10) have screw-clamps (16) for cantilevered fixing to the upper part of the radiator (14).

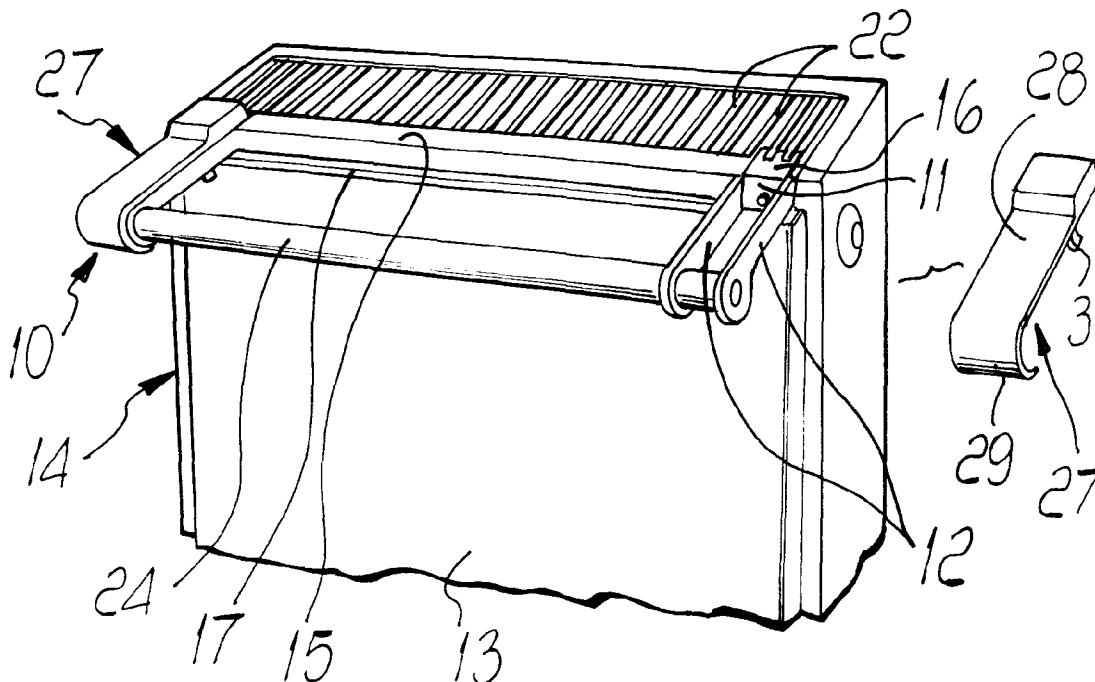


Fig. 1

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Description

The present invention relates to a hanger for a radiating-panel radiator for towels, washing, or the like.

Many hangers are already commercially available; some are shaped so that they can be hung on a radiator, to the top of a railing, to a wall, or to a window-sill.

The main problem observed when using such hangers is due to the fact, for example, in the case of radiating-panel radiators, that since the provided coupling is simply a resting or engagement coupling, there is a lack of structural solidity which gives the unit a makeshift nature which also negatively affects practicality in use.

A principal aim of the present invention is to provide a hanger which can be applied to a radiating-panel radiator in a structurally stable manner although being easily and comfortably removable.

Within the scope of this aim, a consequent primary object is to provide a hanger which is structurally simple and economical.

Another important object is to provide a hanger which can conveniently be used as a proper bathroom-towel holder, thus allowing the user to have his towels heated thanks to their closeness to the radiator.

Another object is to provide radiators which are already in use with a further feature, integrating a hanger therein.

Another object is to provide a hanger installation whereof does not require any disassembly and reassembly of elements of the radiator.

Another object is to provide a hanger the structure whereof can be conveniently produced with conventional equipment and facilities.

This aim, these objects, and others which will become apparent hereinafter are achieved by a hanger for radiating-panel radiator for towels, washing, or the like having a structure comprising two arms provided with screw-clamps for cantilevered fixing to the upper part of the radiator, and at least one rod-like element which is associated, by means of its ends, with the protruding ends of said arms.

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

figure 1 is a perspective view of a radiating-panel radiator whereto a hanger according to the invention is applied;

figure 2 is an exploded perspective view of a part of the hanger and of the radiator;

figure 3 is a perspective view of a clamp included in the hanger;

figure 4 is a partial side view of a radiator during the application of the hanger;

figure 5 is a partial top view of the radiator with the hanger;

figure 6 is a transverse sectional view of the hanger in a region for coupling to the radiator.

With reference to the above figures, a hanger for a radiating-panel radiator for towels, washing, or the like is structurally composed of two arms 10 made of metal plate which is blanked and folded in a U-like shape, with a short flat base 11 wherefrom two parallel wings 12 protrude.

The base 11 is adapted to rest on the front part 13 of a radiating-panel radiator 14 adjacent to the edge of the upper grille 15 and is fixed by means of a screw-clamp 16 which straddles it.

In a downward region, the base 11 rests on a step 17 formed on the front part 13, whilst in an upward region it rests on the screw-clamp 16, which is also made of metal plate by blanking and bending and is U-shaped, with a base 18 and two wings 19 and 20.

The first wing is flat and is placed externally, so as to rigidly couple the base 11 of the corresponding arm 10, and the second wing is hook-shaped so as to engage the grille 15, which is internally folded at an angle, and the inner top part of the radiator 14.

Parallel notches 21 allow to position the clamp 16 between the edges 22 of the slots of the grille 15, which in this case lie transversely with respect to the entire structure of the radiator 14.

There are also grilles having longitudinal slots. The clamp 16 is in any case adapted for such grilles as well.

As shown in the figures, the hexagon socket screw 23 is associated with the wing 19 and presses against the base 11 of the corresponding arm 10, rigidly coupling it to the radiator 14.

A rod-like tubular cylindrical metal element 24 is conveniently inserted by means of its ends in corresponding holes 25 of first cantilevered ends 26a of the wings 12, completing the supporting structure of the hanger.

Second cantilevered ends 26b are adapted to cover the ends of the element 24.

Covering plugs 27 are fitted by snap action on the arms 10 so as to cover said arms and the regions where the various parts are coupled to each other.

Each covering plug 27 comprises a plate-like body 28 with a semicylindrical end 29 which surrounds the cantilevered end of the arm 10 and two flaps 30 which protrude at right angles to the body 28 in such a position as to flank the wings 19 and engage them by means of end hooks 31 with which said flaps are provided.

In practice it has been observed that the intended aim and objects of the present invention have been achieved, a hanger having been provided which, through the simple intervention of a wrench 32 for hexagon socket head screws, can be conveniently, stably, and rigidly applied to a radiating-panel radiator, giving said radiator an extra feature for the user, namely the possibility to hang near the radiating panels a towel, washing, or other similar items.

It is not necessary to modify in any manner the configuration of the various parts of the radiator for installation.

The hanger is particularly strong although being easily and rapidly detachable by loosening the screws 23.

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 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. A hanger for radiating-panel radiator for towels, washing, or the like having a structure comprising two arms provided with screw-clamps for cantilevered fixing to the upper part of the radiator, and at least one rod-like element which is associated, by means of its ends, with the protruding ends of said arms.
2. A hanger having the structure according to claim 1, characterized in that each one of said arms is U-shaped, with a short flat base wherefrom parallel wings protrude.
3. A hanger having a structure according to one or more of the preceding claims, characterized in that said screw-clamp is constituted by a U-shaped element having a base and two wings, the first wing being flat and being arranged on the outside of the radiator, the second wing being hook-shaped so as to engage inside the edge of said radiator, also affecting the edge of the upper grille, a screw being associated with said flat wing.
4. A hanger having a structure according to one or more of the preceding claims, characterized in that said screw-clamp has parallel notches.
5. A hanger having a structure according to one or more of the preceding claims, characterized in that said rod-like element is cylindrical and is inserted, by means of its ends, in corresponding holes of the cantilevered ends of first wings of said arms, the second wings closing said ends.
6. A hanger having a structure according to one or more of the preceding claims, characterized in that covering plugs are fitted in a snap-on fashion on said arms so as to cover said arms and the regions

for the coupling of the various parts to each other.

7. A hanger having a structure according to one or more of the preceding claims, characterized in that each covering plug comprises a plate-like body with a semicylindrical end which surrounds the cantilevered end of the corresponding supporting arm and a pair of flaps which protrude at right angles to the body in such a position as to flank said wings and engage them by means of end hooks wherewith said flaps are provided.

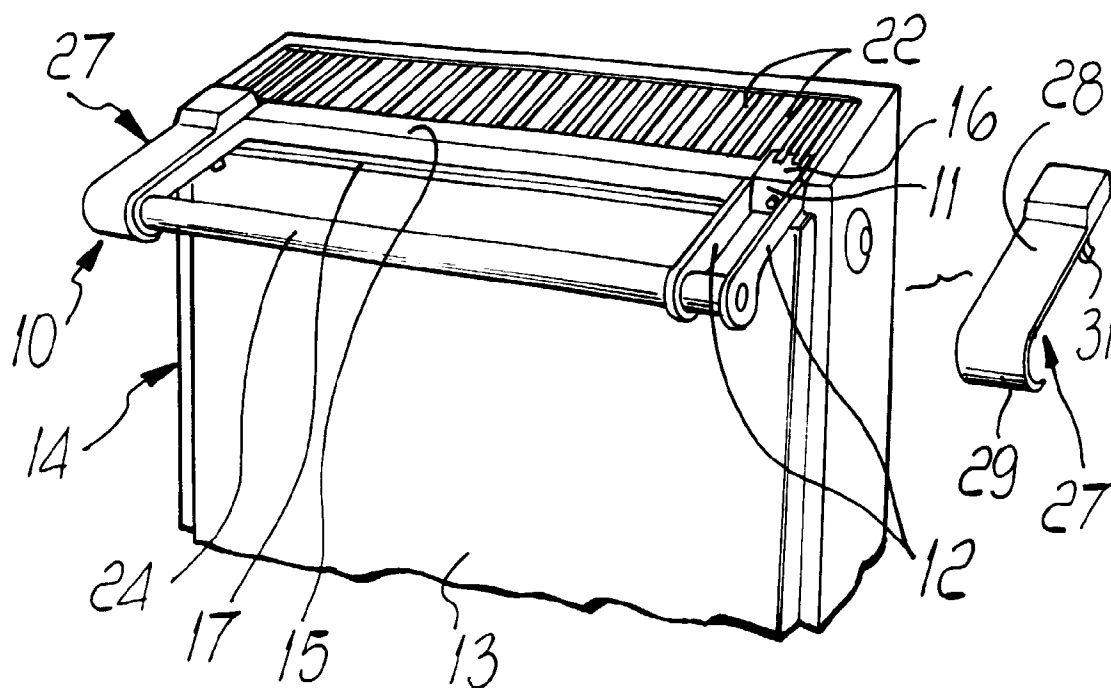


Fig. 1

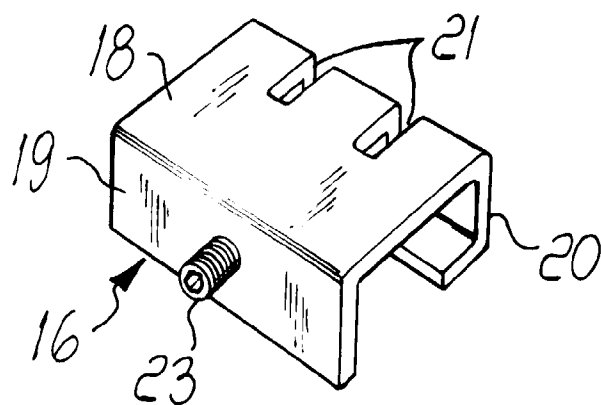


Fig. 3

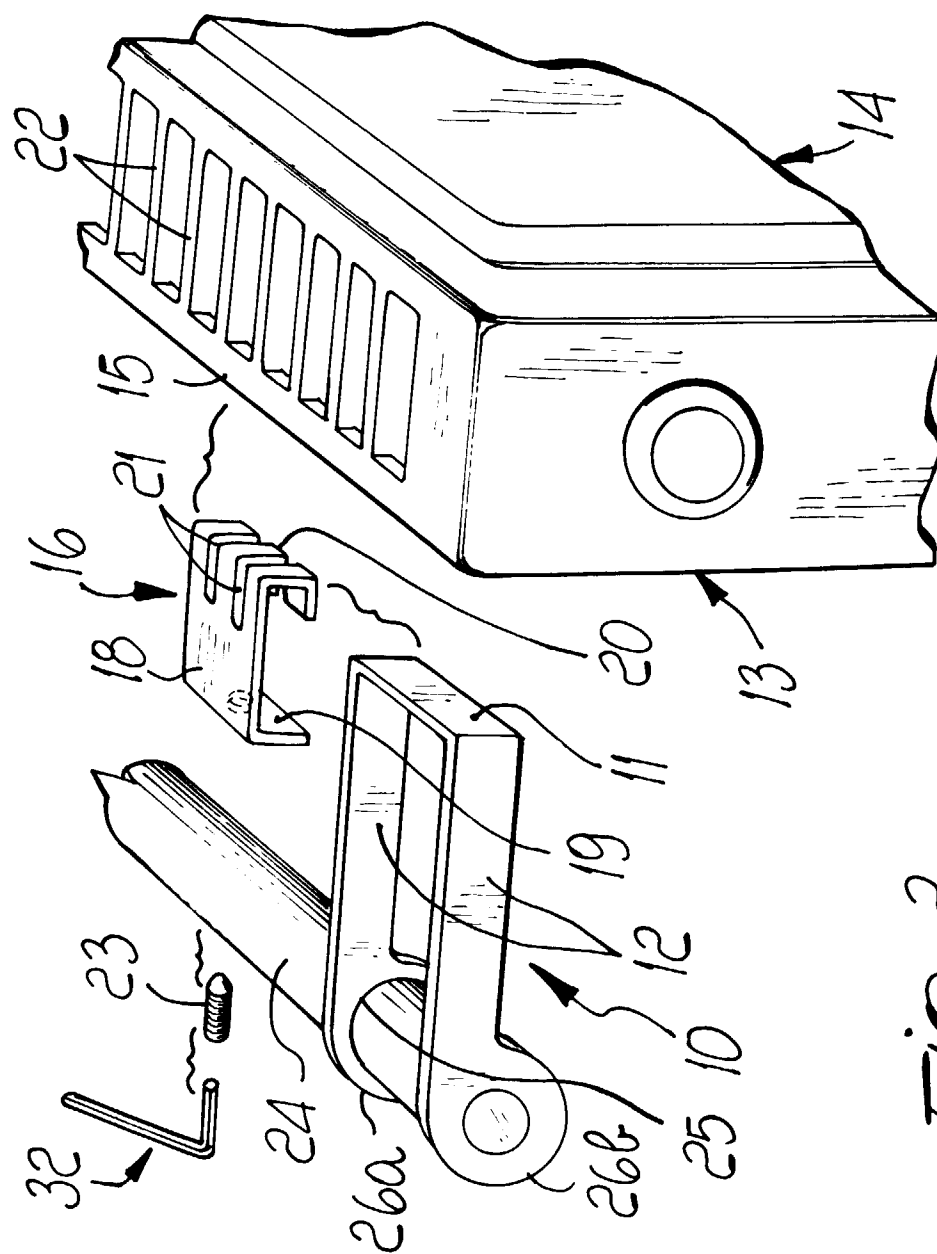


Fig. 2

