Oct. 10, 1961 R. H. SAND 3,003,732

RADIATOR HANGER

Filed Dec. 24, 1958

Fig. 1.

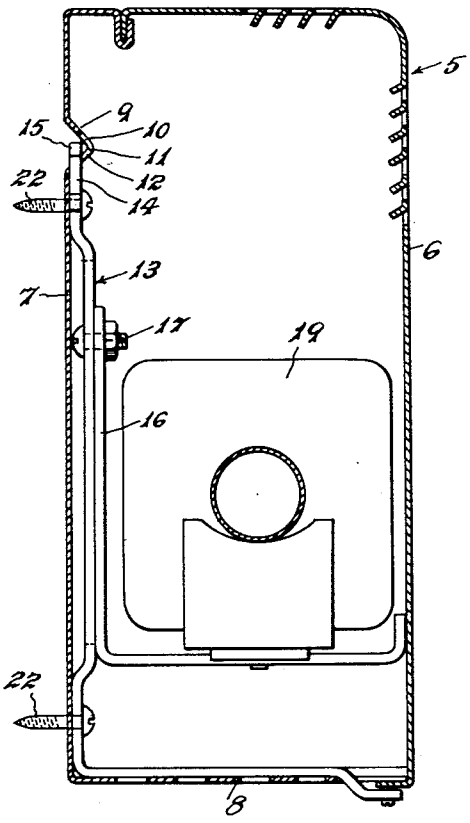


Fig. 2.

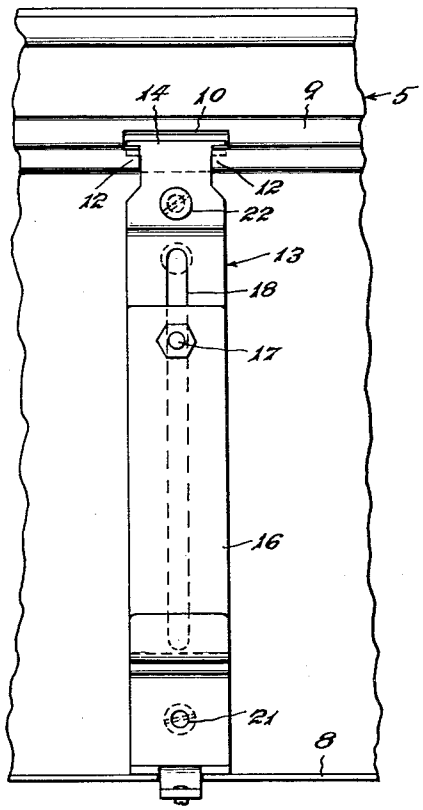


Fig. 3.

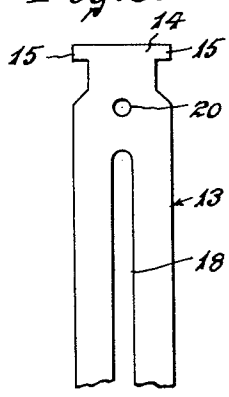
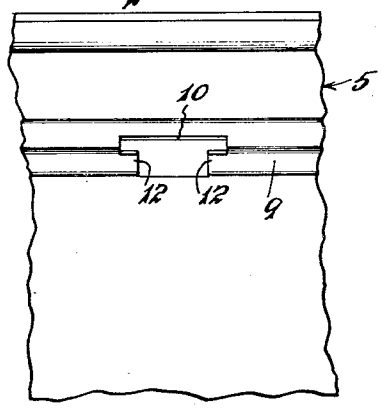


Fig. 4.



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RADIATOR HANGER

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1 Claim. (Cl. 248—223)

This invention relates to a radiator hanger and more particularly to a hanger for supporting finned-tube heating elements such as used in wall mounted radiators and the like.

An object of the present invention is to provide an improved hanger which will greatly facilitate the installation of wall type radiators and which will support the heating elements thereof in a secure manner.

A further object is the provision of a hanger which can be easily installed and adjusted so as to support the radiator elements at the correct height upon a wall or other supporting surface.

A still further object of this invention is the provision of a hanger which can be readily mounted upon a member of the radiator enclosure prior to being secured in position.

Further objects and advantages of the present invention will be more fully understood from the following description and the accompanying drawing in which:

FIG. 1 is a sectional end view of a radiator unit showing my improved hanger.

FIG. 2 is an elevational view of a portion of said radiator unit with the cover thereof and the radiator element removed.

FIG. 3 is an elevational view of the upper end portion of the hanger bar of the radiator unit.

FIG. 4 is an elevational view of a portion of the back panel of the radiator enclosure with the hanger bar removed therefrom.

In the embodiment of my invention shown in the drawing, the numeral 5 denotes generally an enclosure for a wall mounted radiator unit which includes a front cover 6 and a back panel 7 which is adapted to be mounted against the surface of a wall in a building. The said back panel has a forwardly projecting flange 8 which forms the bottom of the enclosure 5.

In accordance with the present invention, I provide a longitudinally extending, forwardly projecting, V-shaped bead 9 adjacent the top of the back panel 7. This bead has a plurality of spaced, T-shaped openings 10 therein, the upper portions of which are in the upper side of said bead above the apex 11 thereof to provide supporting side portions 12—12 in the lower side of said bead 9.

The supporting members for the radiator element of the unit each include a hanger bar 13 having an upper end portion 14 which is T-shaped and is adapted to be inserted into one of the T-shaped openings 10 so that the lateral extensions 15—15 thereof will rest upon the backs of the supporting portions 12—12, as clearly illustrated in FIGS. 1 and 2. The bottom edges of said openings 10 are located at the back panel 7 so that the hanger bars 13 can be swung down to rest against the front surface of said panel.

Each bar 13 has mounted thereon a conventional

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radiator supporting bracket 16 which is adjustably secured upon said bar 13 by means of a bolt 17 which extends through a slot 18 in the hanger bar 13 to provide for height adjustment of the supporting bracket 16 so that the radiator element 19 may be supported at the correct height. The said hanger bar is preferably provided with holes 20 and 21 to receive suitable screws 22—22 which are driven through holes drilled in the back panel 7 into the supporting wall so as to secure the radiator enclosure upon the wall and also directly support the hanger bar.

In the installation of a radiator unit embodying the present invention, the back panel 7 is first secured to the wall at the desired height by screws which are driven through said panel into the wall. The brackets 16 are then mounted on the desired number of bars 13 by means of the bolts 17. Each bar 13 is then mounted upon the back panel 7 by merely inserting the upper T-shaped end thereof into the respective T-shaped opening 10 so that the extensions 15—15 thereon will rest upon the backs of the supporting portions 12—12 in the lower side of the V-shaped bead 9. The bar is then swung downwardly against the front surface of back panel 7 and either one or both of the screws 22—22 are driven through their respective holes 20 and 21 and the back panel 7 into the wall. It has been found that when a single heating element is used, as shown in the drawing, the upper screw 22 is not required since the supporting portions 12—12 of the bead 9 are sufficiently strong to support the upper end of the hanger bar 13. However, in those installations where two or more heating elements are mounted on the bars 13, the upper screw 22 is required to adequately support the additional weight.

After the bars 13 have been securely fastened in position, the radiator element may be mounted on the brackets 16 in the usual manner.

I claim:

In a radiator unit, a back panel constructed of sheet metal and adapted to be secured against the surface of a wall, said back panel having an elongated bead extending horizontally thereof and projecting forwardly of its front surface, said bead having an upper side and a lower side slanted downwardly toward the front surface of said back panel, said bead having a T-shaped opening therein with its upper portion in said upper side and its lower portion in said lower side of said bead, said lower portion of the opening extending substantially to said front surface of the back panel, and an elongated hanger bar having a flat, T-shaped upper end portion insertable into said T-shaped opening and engageable with the marginal edges of the narrow portion of said T-shaped opening forwardly of said front surface of the back panel for supporting said hanger bar, and means on said hanger bar for supporting a radiator element.

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