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FINNED TUBE RADIATOR SUPPORTING STRUCTURE

Filed May 29, 1954

2 Sheets-Sheet 1

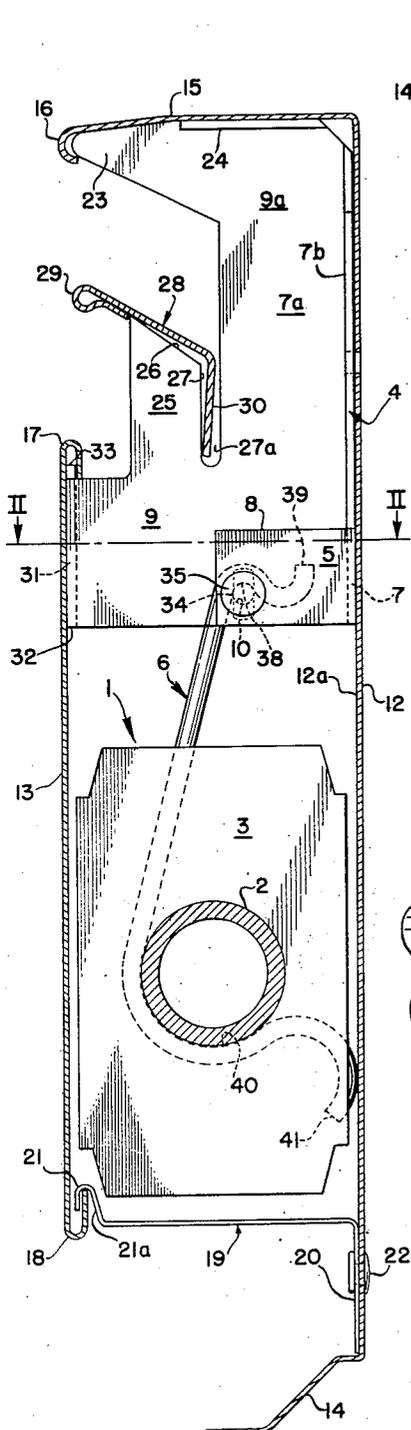


Fig. 1

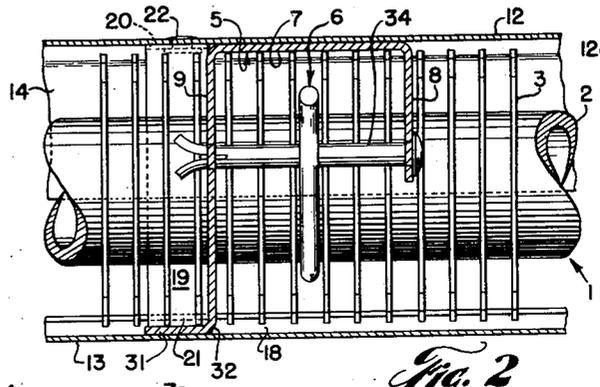


Fig. 2

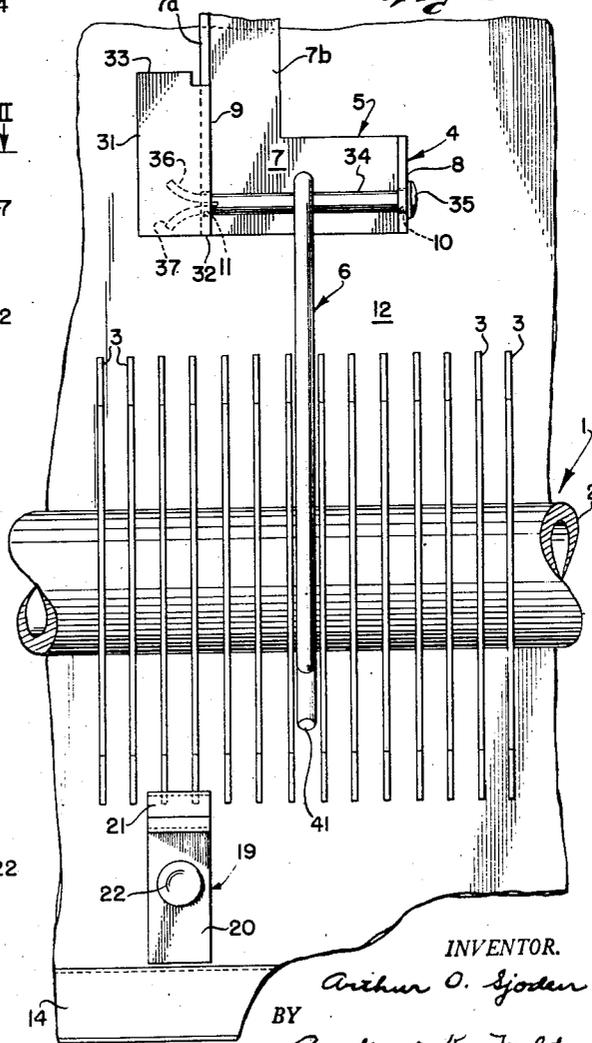


Fig. 3

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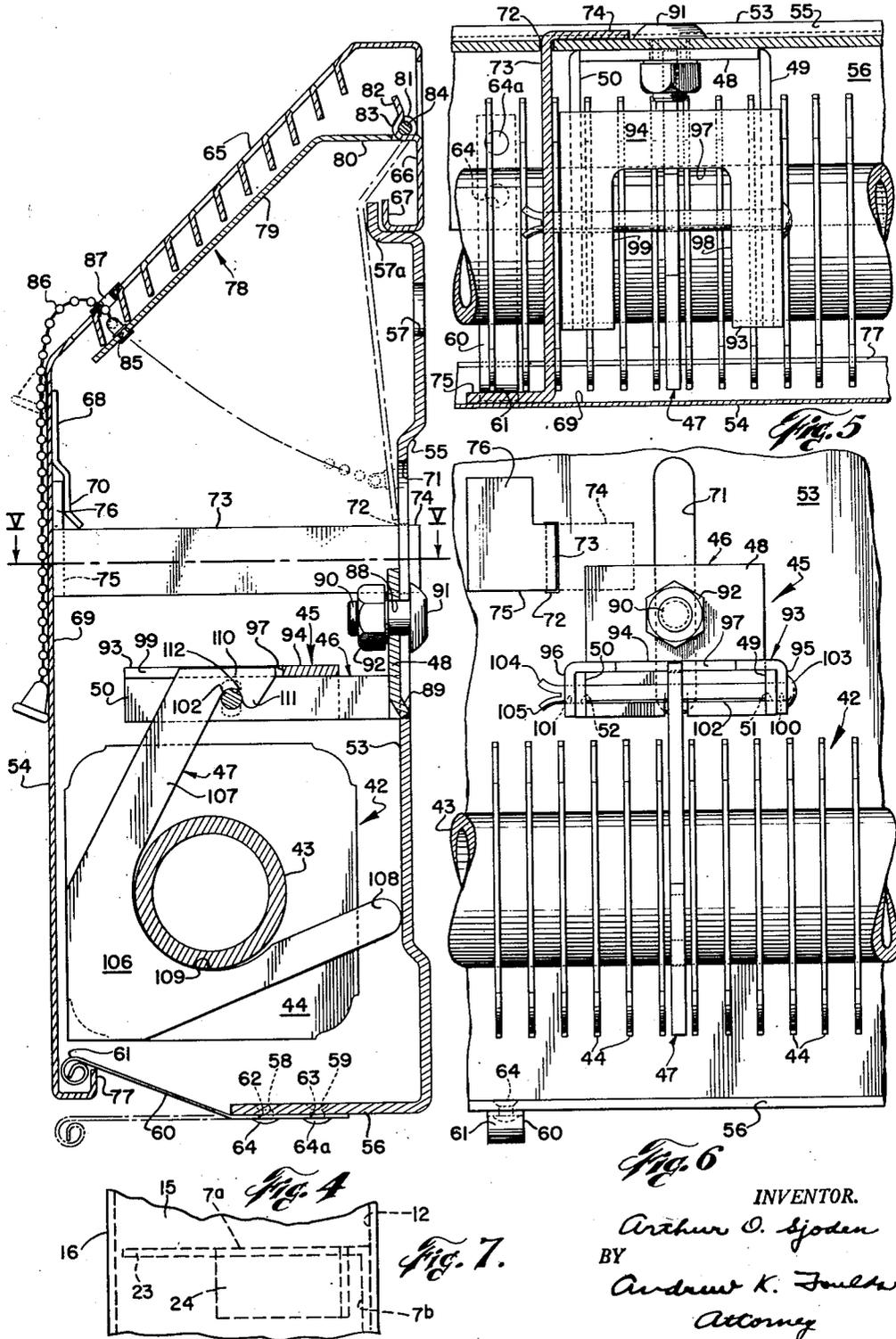


Fig. 6
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1

2,796,238

FINNED TUBE RADIATOR SUPPORTING STRUCTURE

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8 Claims. (Cl. 257-163)

This invention relates to a heat exchange apparatus having a radiator support and more particularly to supports or hangers for a finned tube type radiator or heat exchanger.

An object of this invention is to provide a hanger and support combination for finned tube radiators which is adapted to support a finned tube radiator from a wall and permit the expansion and contraction of the radiator tube without distortion or bending of the hanger structure.

Another object of this invention is to provide a support structure that supports the hanger member and also functions as a spacer and support member for the panel enclosure of the radiator structure.

Another object of this invention is to provide a hanger member that is capable of swinging or rocking and sliding movement on the support member.

Other objects will become apparent from the following description and this invention is to be limited by the appended claims.

In the accompanying drawings, to be taken as a part of this specification, there are fully and clearly illustrated several preferred embodiments of the invention, in which drawings:

Figure 1 is a view in vertical section of a radiator enclosure showing the support structure in side elevation,

Fig. 2 is a view in section taken along the line 2-2 on Fig. 1 and showing the bracket member in section,

Fig. 3 is a fragmentary view with the enclosure front panel member removed and showing the interior structure in front elevation,

Fig. 4 is a view in vertical section of a different radiator enclosure comprising another embodiment of this invention and showing the radiator supporting structure in side elevation,

Fig. 5 is a top plan view in section taken along the line 5-5 on Fig. 4 showing the bracket member in section,

Fig. 6 is a fragmentary view in front elevation with the enclosure front panel of Fig. 4 removed to show the internal structure, and

Fig. 7 is a fragmentary top plane view of the radiator enclosure showing in dotted lines a supporting bracket and supporting flange for the enclosure top wall.

Referring to the drawings by characters of reference and particularly to Figs. 1, 2, and 3, there is shown a heat exchange apparatus comprising a baseboard radiator structure having a finned tube radiator or heat exchanger member generally designated by the numeral 1 which has a metal tube member or conducting pipe 2 for flow therethrough of a heat exchange medium and has a plurality of rectangular shaped fins 3, preferably of metal. The fins 3 are secured in spaced parallel relation on and in good thermal conductivity with the tube 2. The finned tube radiator 1 is suspended in an elevated position by means of a supporting structure generally designated by the numeral 4 which comprises a bracket member 5 and a hanger member 6. The bracket member 5 is preferably of sheet metal and has a body portion 7 and a pair of spaced parallel, horizontally extending arm mem-

2

bers 8 and 9, positioned in vertical planes and which have horizontally aligned apertures 10 and 11 respectively therethrough.

The finned tube radiator 1 and the supporting structure 4 are positioned within a radiator enclosure having a rear panel 12 and a front 13. The rear panel 12 is secured to a wall member (not shown) of an enclosed space or room and has a flanged base portion 14 that is constructed to rest on the floor of the room and a top cover or panel portion 15 that extends away from the wall member. The top panel portion 15 has a downward rebent flange forming hook shaped end or front securing portion 16. The front panel portion 13 has a rebent downturned top edge forming an upper hook shaped end securing portion 17 and a rebent upturned bottom edge forming a lower hook shaped end securing portion 18. A resilient clip member 19 has at its rear end a downwardly flanged end portion 20 and at its front end an upwardly extending flanged portion 21^a with a downwardly extending hook shaped end portion 21. The clip member 19 has its end portion 20 secured to the inside face of the rear panel 12 by means of a rivet 22 or any other suitable securing means.

The bracket member body portion 7 is secured to the inner wall 12^a of the rear panel 12 by any suitable securing means such as spot welding. The arm members 8 and 9 extend away or forwardly from the rear panel portion 12. The body portion 7 and the arm member 9 have an upstanding angle portion with a forward flange 7^a and a rear flange 7^b which lies against and is also secured to the wall 12^a. The flange 7^a has a finger portion 23 extending forwardly from its upper end portion 9^a in a direction away from the rear panel portion 12. The hook shaped end securing portion 16 of the top panel portion 15 hooks over and is positioned around the finger portion 23 and is secured thereto. The upper flange portion 9^a has a horizontal flange 24 extending laterally therefrom in a plane substantially normal to the rear panel 12 and in a plane parallel to the top panel portion 15. The top panel portion 15 abuts the flange 24, which functions as a reinforcing and supporting member for the top panel 15. The arm member 9 has a deflector supporting portions 25 with an inclined upper edge 26 and a rear vertical edge 27 which is spaced from the arm member flange 7^a and forms a slot 27^a. The deflector supporting portion 25 extends upwardly from the arm portion 9 and is operable to support an air deflector member 28 which has a rounded front portion 29 and a downwardly flanged rear portion 30. The rear portion 30 is positioned in the slot 27^a and the rounded end portion rests against the top front edge of the deflector supporting portion 25. The main body portion of the deflector member 28 rests against the inclined edge 26 and deflects the air outwardly and angularly from the inner portion of the radiator enclosure. The arm member 9 has another flange portion 31 extending from the front edge 32 of the arm member 9 in a plane substantially parallel to the body portion 7. The flange portion 31 has an upwardly extending edge portion 33 around or over which the front panel upper hook shaped securing end portion 17 is positioned. The flange portion 31 spaces the front panel member 13 from the rear panel 12 a distance sufficient to permit positioning of the finned tube radiator 1 therebetween. In positioning the front panel portion 13, the hook shaped end portion 17 is first positioned around or over the upper edge 33 of the flange portion 31, and the downwardly hook shaped end portion 21 of the clip member 19 is positioned around or hooked into the lower front panel hook shaped end portion 18 thereby rigidly securing the front panel portion 13 to the supporting structure 4 and the rear panel 12.

The bracket member 4 has a horizontal supporting por-

3

tion or pin member 34 having a flat head 35 and split end portions 36 and 37 extending through the apertures 10 and 11. The pin member 34 is secured in the apertures 10 and 11 by means of the flat head portion 35 resting against the outer wall of the arm member 8, and the split end portions 36 and 37 diverging away from each other beyond the outer wall of the arm member 9.

The hanger member 6 has a downwardly facing or open hook portion 38 and an upturned end portion 39. The downwardly facing hook portion 38 is positioned on or around and supported by the pin member 34. The hanger member 6 has an upwardly facing or open hook portion 40 and a downturned end portion 41 which together are of substantially S-shape. The upwardly facing hook portion 40 is positioned around the radiator tube 2 between a pair of the parallel fins 3. The hanger member 6 is positioned between adjacent fins 3 and with the end portions 39 and 41 extending toward or facing the rear panel 12. The downturned end portion 41 extends a sufficient distance from the hook portion 40 to abut the rear panel inner wall 12^a and space the finned tube radiator 1 from the rear panel portion 12. It will be noted that the end portion 41 extends beyond the fins and holds the center of gravity of the heat exchanger outward from the vertical line through the pin member 34 so that the heat exchanger tends to swing toward the wall member 12 and away from the front panel member 13.

When the finned tube radiator 1 is secured to the supporting structure 4 as heretofore described, the hanger 6 is movable along the longitudinal axis of the pin member 34. Therefore, to assemble the structure, the upwardly facing hook portion 40 is first positioned around and under the tube 2 and the finned tube radiator 1 is then positioned adjacent and below the supporting structure 4. The downwardly facing hook portion 38 is then positioned around and over the pin member 34. It should be noted that with this type of structure exact lateral spacing between the various places of securement of the fin tube radiator 1 to the supporting structure 4 is not required.

One of the principal advantages of this type of hanger member and supporting structure is that the hanger member will not bend or be distorted due to the expansion and contraction of the finned tube radiator which normally occurs during a heating or cooling cycle in accordance with the temperature of the fluid passing through the tube 2. When the finned tube radiator is a unitary structure and extends the length of an ordinary room, it is not uncommon for the tube to expand a considerable amount. In order to permit this expansion of the finned tube radiator without the distortion or bending of the support, the finned tube may be secured to the supporting member as shown. Upon expansion or contraction of the finned tube radiator, the hanger member 6 will rotate about a point where the downwardly facing hook shaped end portion 38 is positioned around the pin member 34 until it has rotated to a point where the force exerted on the upwardly facing hook shaped portion 40 against the tube member 2 is greater than the frictional force of the downwardly facing hook shaped portion 38 on the pin member 34. When the last named force exceeds the frictional force heretofore stated, the downwardly facing hook shaped portion 38 will slide along the longitudinal axis of the pin member 34. Thus, the hanger 6 during periods of slight expansion or contraction will simply rotate or rock about a point where the downwardly hook shaped portion 38 rests on the pin member 34. If the expansion or contraction is large such as when a heating system is first put in operation, the hanger member 6 will pivot as heretofore stated until the rotated force exceeds the friction force as heretofore stated and the hanger member 6 will then slide along the longitudinal axis of the pin member 34. Thus, the supporting structure 4 and the hanger assembly permit a relatively simple and inexpensive method of assembling and securing

4

a finned tube radiator to a wall structure and also permit the finned tube radiator to expand and contract without bending or distorting the supporting structure or the tube fins 3.

The supporting structure 4 also functions as a means to secure the upper cover or panel portion 15 thereto, secure the air deflector member thereto, and the front panel member of the radiator enclosure. Thus, the supporting member functions in a dual capacity wherein it supports the hanger member which in turn supports the finned tube radiator and also supports and secures various parts of the radiator enclosure.

Another embodiment of this invention is shown in Figs. 4, 5, and 6. In this embodiment there is shown a baseboard radiator structure having a finned tube radiator member generally designated by the numeral 42 which has a tube member 43 and a plurality of rectangular shaped fins 44 which are secured in spaced parallel relation to the tube 43. The finned tube radiator 42 is suspended in an elevated position by means of a supporting structure generally designated by the numeral 45 which comprises a bracket member 46 preferably of sheet metal and a hanger member 47. The bracket member 46 has a body portion 48 and a pair of spaced parallel horizontally extending arm members 49 and 50 positioned in vertical planes and which have horizontally aligned apertures 51 and 52 therethrough. The finned tube radiator 42 and the supporting structure 45 are positioned within a radiator enclosure having a rear panel 53 and a front panel 54. The rear panel has an indented central portion 55 and a flanged base portion 56. The rear panel 53 is secured to a wall member (not shown) of an enclosed space or room and may be secured adjacent to or spaced away from the floor. The structure shown in this embodiment may be positioned at any convenient elevation along the wall member, and it is not necessary that the enclosure be positioned adjacent to the floor of the room or space to be conditioned. The rear panel portion 53 has a securing aperture 57 therethrough. Thus, the rear panel portion may be secured to a wall member by means of a bolt or any other suitable securing means passing through the aperture 57 to secure the rear panel portion 53 to the wall member. The rear panel portion 53 has an outwardly and upwardly turned flange portion 57^a that functions to support the front panel portion 54. The rear portion lower flange 56 extends outwardly from the wall member and has a pair of apertures 58 and 59 therethrough. A spring clip member 60 has a front rolled portion 61 and a pair of apertures 62 and 63 therethrough. The apertures 62 and 63 are aligned with the apertures 58 and 59 in the flange 56. A pair of rivets 64 and 64^a extend through the aligned apertures and secure the spring clip member 60 to the outwardly extending flange portion 56.

In this embodiment, the front panel portion 54 has a slotted inclined top portion 65 and a downwardly extending rear securing portion 66. The securing portion 66 has an inwardly extending upturned flange portion 67 that is positioned in the rear panel outwardly extending flange portion 57^a and is supported therein. The front panel portion 54 has a clip securing portion 68 secured to its rear wall 69. The securing clip 68 has a flanged securing portion 70 that extends downward parallel to and spaced away from the front panel rear wall 69. The rear panel 53 has an elongated supporting bracket securing slot 71 and a spacer member securing slot 72 therein. The spacer securing slot 72 is clearly shown in Fig. 5 of the drawings. A spacer member 73 has a rear flanged portion 74 and a front flanged portion 75. The flange portions 74 and 75 are substantially parallel to each other and normal to the body portion of the spacer member 73. The front flange portion 75 has an upwardly extending securing edge portion 76 which functions to support and secure the front panel member 54 thereto. The transverse dimension of the spacer slot 72 is slightly

5

larger than the width of the spacer member 73. In positioning the spacer member 73 in the slot 72, the flanged end portion 74 is inserted in the slot 72 and the spacer member is rotated in a clockwise direction until the flange portion 74 abuts the rear wall of the rear panel 53. In securing the front panel member 54 to the rear panel member 53, which has been secured to the wall, the upturned rear flanged portion 67 is positioned between the wall and the upturned flange portion 57^a. The spacer member securing portion 76 is positioned between the front panel rear wall 69 and the securing clip flanged portion 70. The spring clip front rolled portion 61 is positioned between the front panel rear wall 69 and the lower upturned flange portion 77. Thus, the front panel member 54 is supported by the rear panel 53 at the upturned flange portion 57^a and by the spacer bracket flanged portion 76. The spring clip member 60 prevents rotative movement of the front panel 54 and also rigidly secures the front panel 54 to the rear panel 53, thus forming a box-like enclosure with an upper slotted portion 65. It should be noted that air may enter through the bottom of the enclosure member between the front panel wall 54 and the rear wall flange portion 56 and leave the enclosure by means of the upper slotted portion 65.

A damper or air regulator member 78 having a body portion 79 and a flanged portion 80 is positioned within the upper portion of the enclosure. The damper 78 has a semi-circular end portion 81 extending from the flanged portion 80 and forming a hinged connecting portion for the damper member. The front panel downwardly extending securing portion 66 has an inwardly bent portion 82 that has a rounded portion 83 that functions as a hinge portion for the securing and supporting of the damper member 78. A pin member 84 is inserted between the curved portions 81 and 83 and rotatably secures the damper member 78 to the downwardly extending front panel portion 66. The damper member rotates about the pin member 84 and controls the amount of air leaving the enclosure. The damper member body portion 79 has an aperture 85 therethrough adjacent its lower end portion. A bead type chain positioning member 86 is secured in the damper member aperture 85 and extends through one of the slotted portions 65 and hangs downward in front of the front panel 54. A key hole slotted guide member 87 is positioned in one of the slots of the slotted front panel portion 65 and permits one of the beads of the chain member 86 to rest thereon and thereby position the damper member 78 in respect to the front panel slotted portion 65. Thus, the position of the damper 78 may be regulated by the positioning of the beads in the guide member 87. It should be noted that the damper member flanged portion 80 is so shaped that when the damper is in the full open position the flanged portion 80 will not interfere with the inwardly extending rear panel flange 57^a.

The supporting structure 45, as above noted, comprises a bracket member 46 and a hanger member 47. The bracket member body portion 48 has a securing aperture 88 therethrough and an outwardly bent portion 89 which is positioned directly below the aperture 88 and is constructed to fit within the slot 71. The bracket member aperture 88 is aligned with the rear panel slot 71 and the outwardly bent portion 89 is inserted in the slot 71. A bolt 90 having a flat head end portion 91 is inserted in the slot 71 and extends through the bracket member aperture 88. A nut 92 is threaded on the bolt 90 and rigidly secures the bracket member 46 to the rear panel member 53. It should be noted that the bracket member 46 is vertically adjustable along the longitudinal axis of the slot and may be moved to its desired position within the slot 71 and rigidly secured at this desired position by means of the nut and bolt combination. A reinforcing member 93 has a body portion 94 and a pair of downwardly extending flanged portions 95 and 96. The

6

body portion 94 has a slot 97 forming inner side walls 98 and 99. This slot 97 permits assembling of the hanger member 47 without interference of the body portion 94. The downwardly extending flange portions 95 and 96 have a pair of aligned apertures 100 and 101 therethrough. The reinforcing member 93 is positioned over the bracket member 46 with the inner walls of the downwardly extending flange portions 95 and 96 abutting the outer walls of the arm members 49 and 50. The bracket arm apertures 51 and 52 are aligned with the reinforcing member apertures 100 and 101. A pin member 102 having a rounded head portion 103 and opposite split end portions 104 and 105 extends through the heretofore named aligned apertures with the head 103 abutting the outer wall of the reinforcing flange 95 and the split end portions 104 and 105 diverging away from each other at a point beyond the outer wall of the reinforcing member downward flange 96.

The hanger member 47 has a body portion 106 and a pair of diverging arms 107 and 108. The body portion 106 has an arcuate inner edge 109 which provides a hook portion that is positioned around the tube member 43. The arm 107 has an inturned or rearwardly directed flanged end 110 with a downwardly extending finger portion 111. The lower edge 112 of the flange 110 between the arm 107 and the finger 111 is curved and forms a hook shaped portion and positioned around and upon the pin member 102, thus securing the arm member 107 to the pin member 102.

In assembling the finned tube radiator 42 within the enclosure, the bracket member 45 is initially secured to the rear panel member 53 as heretofore described. The hanger member edge 109 is positioned around the tube 43 and the finned tube radiator 42 is positioned below the pin member 102. The curved edge 112 is positioned around and upon the pin member 102, and thus the finned tube radiator 42 is suspended from the bracket member 45. It should be noted that when the hanger member is so positioned the arm 108 abuts the rear panel 53 and spaces the fins of finned tube radiator 42 from the rear panel portion 53, thus permitting air to circulate around the rear portion of the radiator 42. The reinforcing member 93 serves to add rigidity to the bracket member 46 and the bracket member body portion outwardly bent portion 89 seating in the slot 71 prevents rotative movement of the bracket member. The slotted portion of the reinforcing member 93 permits the assembling and removing of the hanger member 47 from the pin member 102 without the removal of the reinforcing member.

This embodiment functions similarly to the embodiment shown in Figs. 1 to 3 in that the hanger member 47 is laterally slidable along and rockable on the pin 102, and it is deemed not necessary to again describe its method of operation.

Having thus described the invention, what is claimed and is desired to be secured by Letters Patent of the United States is:

1. A heat exchange apparatus comprising a finned tube heat exchanger, an upright wall member, a bracket member secured to said wall member and having a horizontal supporting portion extending parallel to said wall member, a supporting member having a downwardly open hook portion extending toward said wall member and longitudinally slidable and rockable on said supporting portion, said supporting member extending downward from said supporting portion and having adjacent its lower end an upwardly open hook portion extending toward said wall member and facing said downwardly open hook portion, said heat exchanger seating in said upwardly open hook portion and said supporting member extending between adjacent fins of said heat exchanger, and an end portion extending from said upwardly open hook portion and projecting beyond said heat exchanger and engaging said wall member, said end portion holding said heat exchanger center of gravity outward from a vertical line through

said supporting portion so that said heat exchanger tends to swing toward said wall member.

2. A radiator supporting structure constructed and arranged to support a finned tube radiator comprising a bracket member having a body portion and a pair of spaced parallel arm portions, said body portion being secured to a wall member with said arm portions extending away from said wall member, a supporting member secured at one end portion to the tube of said finned tube radiator between a pair of fin members, connecting means positioned between and secured to said arm portions, and said supporting member being movably secured at its other end portion to said connecting means thereby supporting said finned tube radiator and being operable to move along said connecting means upon movement of said finned tube radiator.

3. A radiator supporting structure constructed and arranged to suspend a finned tube radiator from a wall member comprising a bracket member having a body portion and a pair of spaced parallel arm portions, said body portion being secured to said wall member with said arm portions extending away from said wall member, said arm portions having aligned pin apertures therethrough, a pin member extending through and secured in said apertures, and a hanger member having a downwardly facing hook shaped end portion and an upwardly facing hook shaped end portion, said downwardly facing hook shaped end portion extending around said pin member and movably positioned thereon, said upwardly facing hook shaped end portion being positioned around the underside of the tube of said finned tube radiator between a pair of fin members whereby said downwardly facing hook shaped end portion is operable to move along said pin member upon movement of said finned tube radiator.

4. A radiator supporting structure constructed and arranged to suspend a finned tube radiator from a wall member comprising a bracket member having a body portion and a pair of spaced parallel arm portions, said body portion being secured to said wall member with said arm portions extending away from said wall member, said arm portions having aligned pin apertures therethrough, a pin member extending through and secured in said apertures, and a hanger member having a downwardly facing hook shaped end portion and an upwardly facing hook shaped end portion, said downwardly facing hook shaped end portion extending around said pin member and movably positioned thereon, said upwardly facing hook shaped end portion positioned around the underside of the tube of said finned tube radiator between a pair of fin members whereby said downwardly facing hook shaped end portion is operable to move along said pin member upon movement of said finned tube radiator, and said upwardly facing hook shaped end portion abutting said wall member and spacing said finned tube radiator from said wall member.

5. A device of the character described comprising a bracket member having a body portion and a pair of spaced parallel arm portions, said body portion being secured to a wall member with said arm portions extending outwardly therefrom, said arm portions having aligned pin apertures therethrough, one of said arm portions having a finger portion extending from its upper edge in a direction away from said wall member, said finger portion being operable to secure the front hook shaped end portion of a radiator enclosure top panel member, said last named arm portion having a flanged top panel supporting portion extending from the upper edge of said arm portion in a plane substantially normal to said wall member, said flanged top panel supporting portion being operable to support said radiator top panel member, said last named arm portion having a deflector supporting portion extending upwardly therefrom with an inclined upper edge and a slotted rear portion, said deflector supporting portion being operable to support an air deflector member, said last named arm portion having a second flanged portion extending from the front edge of said arm portion in a

plane substantially parallel to said wall member and operable to space a radiator enclosure front panel member from said wall member, said last named flanged portion having an upwardly extending portion operable to support the top flanged portion of said radiator enclosure front panel, a pin member extending through and secured in said aligned pin apertures, a hanger member having a downwardly facing hook portion and an upturned end portion, said downwardly facing hook portion positioned around and supported by said pin member, said downwardly facing hook portion being operable to move along the longitudinal axis of said pin member, and said hanger member having an upwardly facing hook portion and a downturned end portion, said upwardly facing hook portion positioned around and supporting a tube of a finned tube radiator between a pair of parallel fin members whereby upon movement of said finned tube radiator said downwardly facing hook portion will move along the longitudinal axis of said pin member.

6. A device of the character described comprising a bracket member having a body portion and a pair of spaced parallel arm portions, said body portion being secured to a wall member with said arm portions extending outwardly therefrom, said arm portions having aligned pin apertures therethrough, one of said arm portions having a finger portion extending from its upper edge in a direction away from said wall member, said finger portion being operable to secure the front hook shaped end portion of a radiator enclosure top panel member, one of said arm portions having a flanged top panel supporting portion extending from the upper edge of said arm portion in a plane substantially normal to said wall member, said flanged top panel supporting portion being operable to support said radiator top panel member, one of said arm portions having a deflector supporting portion extending upwardly therefrom with an inclined upper edge and a slotted rear portion, said deflector supporting portion being operable to support an air deflector member, one of said arm portions having a second flanged portion extending from the front edge of said arm portion in a plane substantially parallel to said wall member and operable to space a radiator enclosure front panel member from said wall member, said last named flanged portion having an upwardly extending edge portion operable to support the top flanged portion of said radiator enclosure front panel, a pin member extending through and secured in said aligned pin apertures, a hanger member having a downwardly facing hook portion and an upturned end portion, said downwardly facing hook portion positioned around and supported by said pin member, said downwardly facing hook portion being operable to move along the longitudinal axis of said pin member, and said hanger member having an upwardly facing hook portion and a downturned end portion, said upwardly facing hook portion positioned around and supporting a tube of a finned tube radiator between a pair of parallel fin members whereby upon movement of said finned tube radiator said downwardly facing hook portion will move along the longitudinal axis of said pin member, and said downturned end portion abutting said wall member and spacing said finned tube radiator from said wall member.

7. A device of the character described comprising a bracket member having a body portion and spaced parallel arm portions, said body portion being secured to a wall member with said arm portions extending outwardly therefrom, said arm portions having aligned pin apertures therethrough, a reinforcing member having a body portion and a pair of downwardly extending flanged end portions, said body portion having a slot with an open end therein, said flanged portions having a pair of aligned apertures therethrough, said reinforcing member positioned in overlying relation to said bracket member with the inner walls of said flanged end portions abutting the outer walls of said arm portions, said arm apertures being aligned with said flanged portion apertures and said body portion slot having its open end extending away from said bracket

9

member body portion, a pin member extending through and secured in said aligned apertures, and a hanger member having a body portion and a pair of diverging arm members extending therefrom, one of said hanger arm members having an inturned flanged end portion extending toward said other arm member, said flanged end portion having a downwardly extending finger portion forming a downwardly facing hook shaped edge portion, said downwardly facing hook shaped edge portion being positioned around and supported by said pin member and operable to move along the longitudinal axis of said pin member, the inner edge of said hanger body portion between said arm members being arcuate in shape and forming an upwardly facing hook shaped edge portion, said upwardly facing hook shaped edge portion being positioned around and supporting a tube of a finned tube radiator between a pair of parallel fin members whereby upon movement of said finned tube radiator said downwardly facing hook shaped edge portion will move along the longitudinal axis of said pin member.

8. A device of the character described comprising a bracket member having a body portion and spaced parallel arm portions, said body portion being secured to a wall member with said arm portions extending outwardly therefrom, said arm portions having aligned pin apertures therethrough, a reinforcing member having a body portion and a pair of downwardly extending flanged end portions, said body portion having a slot with an open end therein, said flanged portions having a pair of aligned apertures therethrough, said reinforcing member positioned in overlying relation to said bracket member with the inner walls of said flanged end portions abutting the outer walls of said arm portions, said arm apertures be-

10

ing aligned with said flanged portion apertures and said body portion slot having its open end extending away from said bracket member body portion, a pin member extending through and secured in said aligned apertures, and a hanger member having a body portion and a pair of diverging arm members extending therefrom, one of said hanger arm members having an inturned flanged end portion extending toward said other arm member, said flanged end portion having a downwardly extending finger portion forming a downwardly facing hook shaped edge portion, said downwardly facing hook shaped edge portion being positioned around and supported by said pin member and operable to move along the longitudinal axis of said pin member, the inner edge of said hanger body portion between said arm members being arcuate in shape and forming an upwardly facing hook shaped edge portion, said upwardly facing hook shaped edge portion being positioned around and supporting a tube of a finned tube radiator between a pair of parallel fin members whereby upon movement of said finned tube radiator said downwardly facing hook shaped edge portion will move along the longitudinal axis of said pin member and the other of said hanger arm members having its end portion abutting said wall member and spacing said finned tube radiator from said wall member.

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