

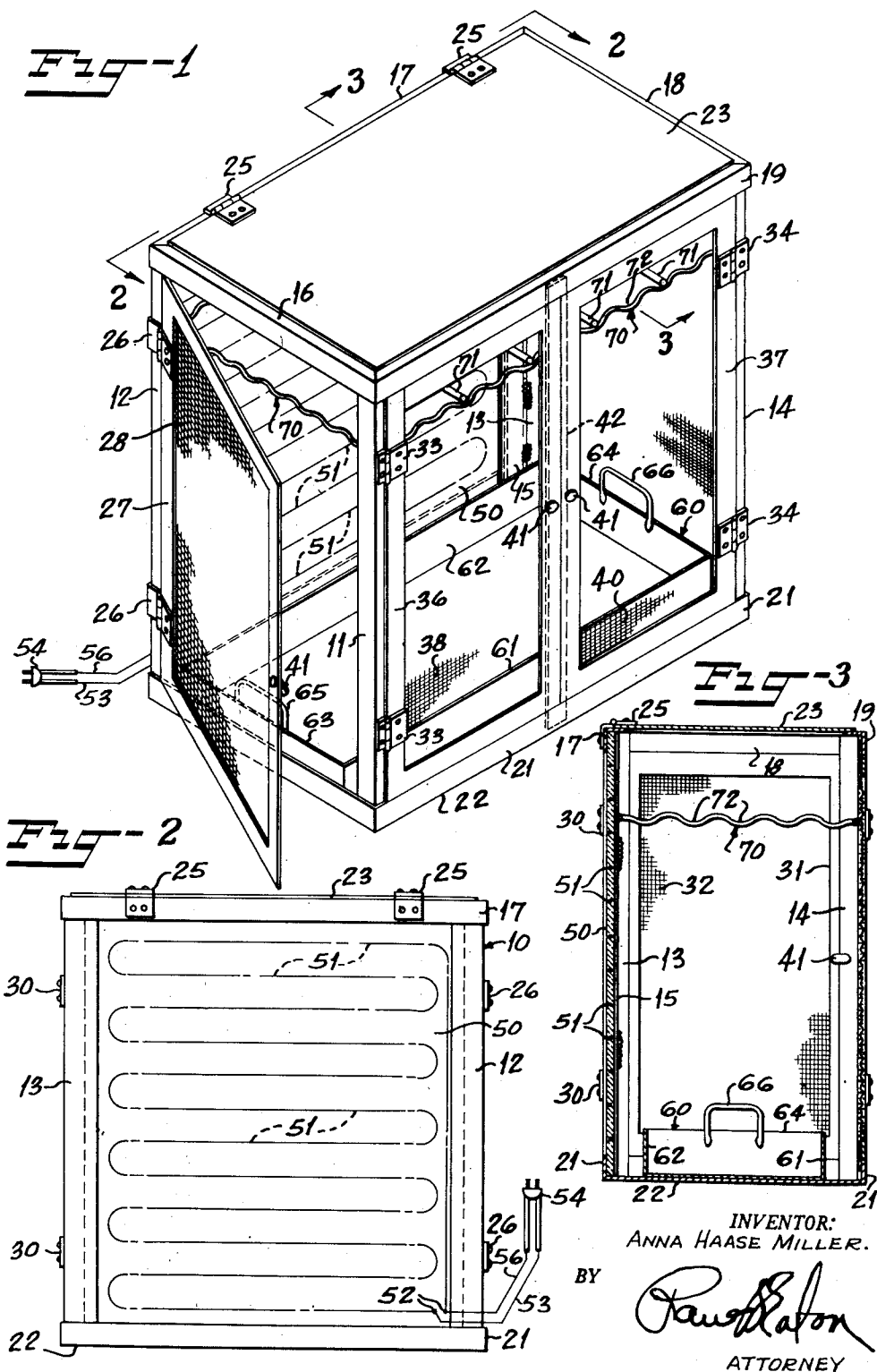
Nov. 18, 1952

A. H. MILLER
VENTILATED CONSOLE

2,618,076

Filed Dec. 1, 1949

3 Sheets-Sheet 1



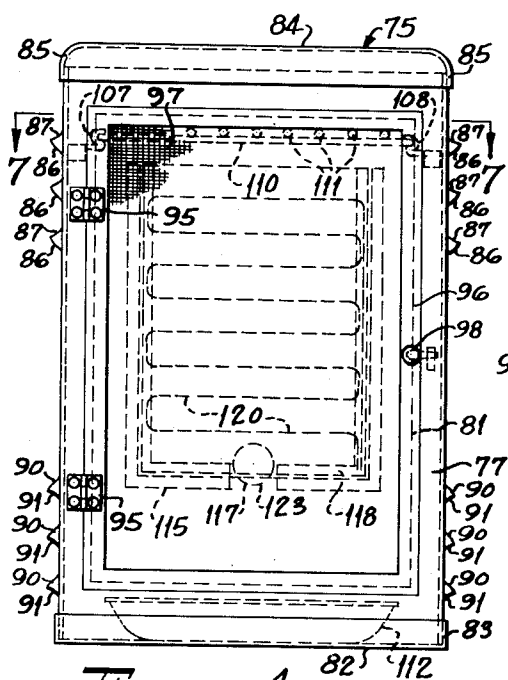
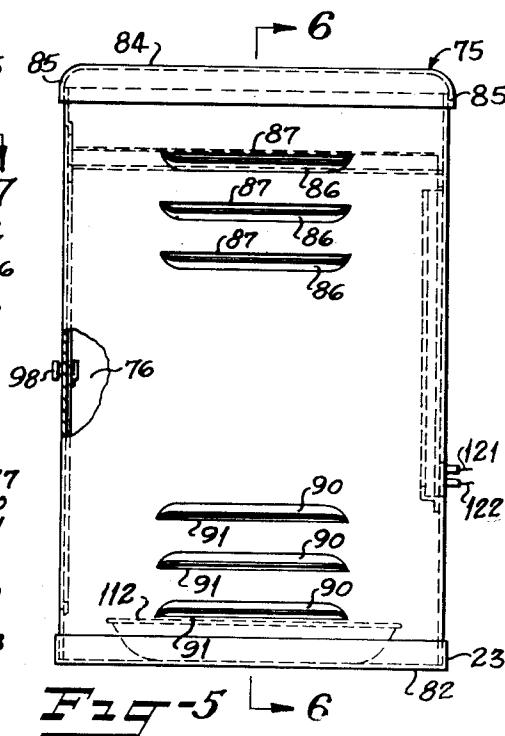
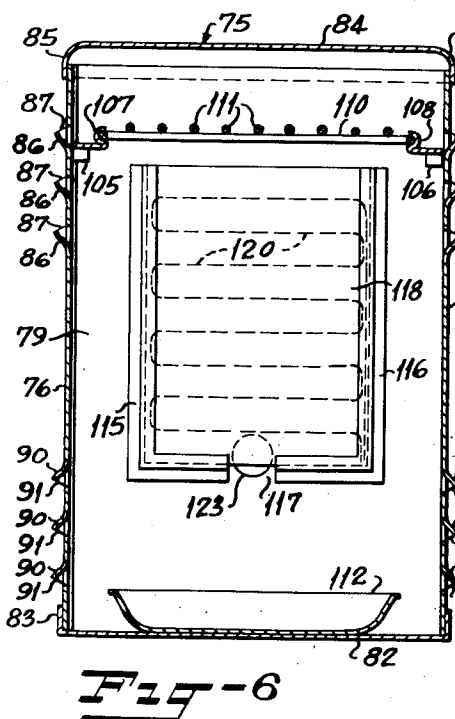
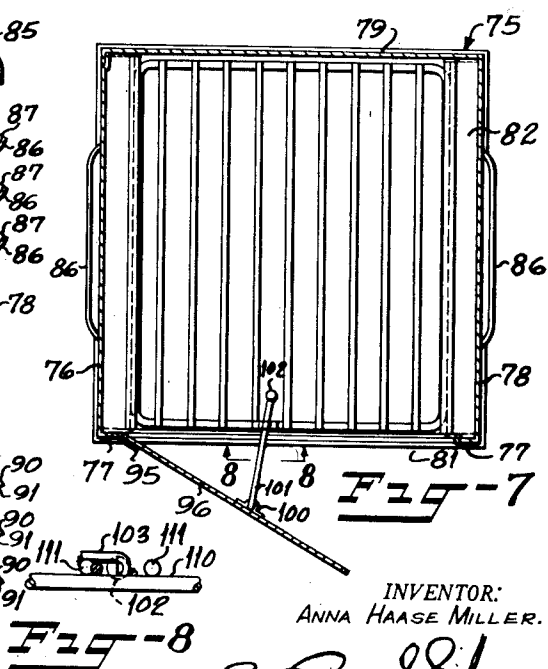
Nov. 18, 1952

A. H. MILLER
VENTILATED CONSOLE

2,618,076

Filed Dec. 1, 1949

3 Sheets-Sheet 2



INVENTOR:
ANNA HAASE MILLER.

By Randall L. Lorton
ATTORNEY

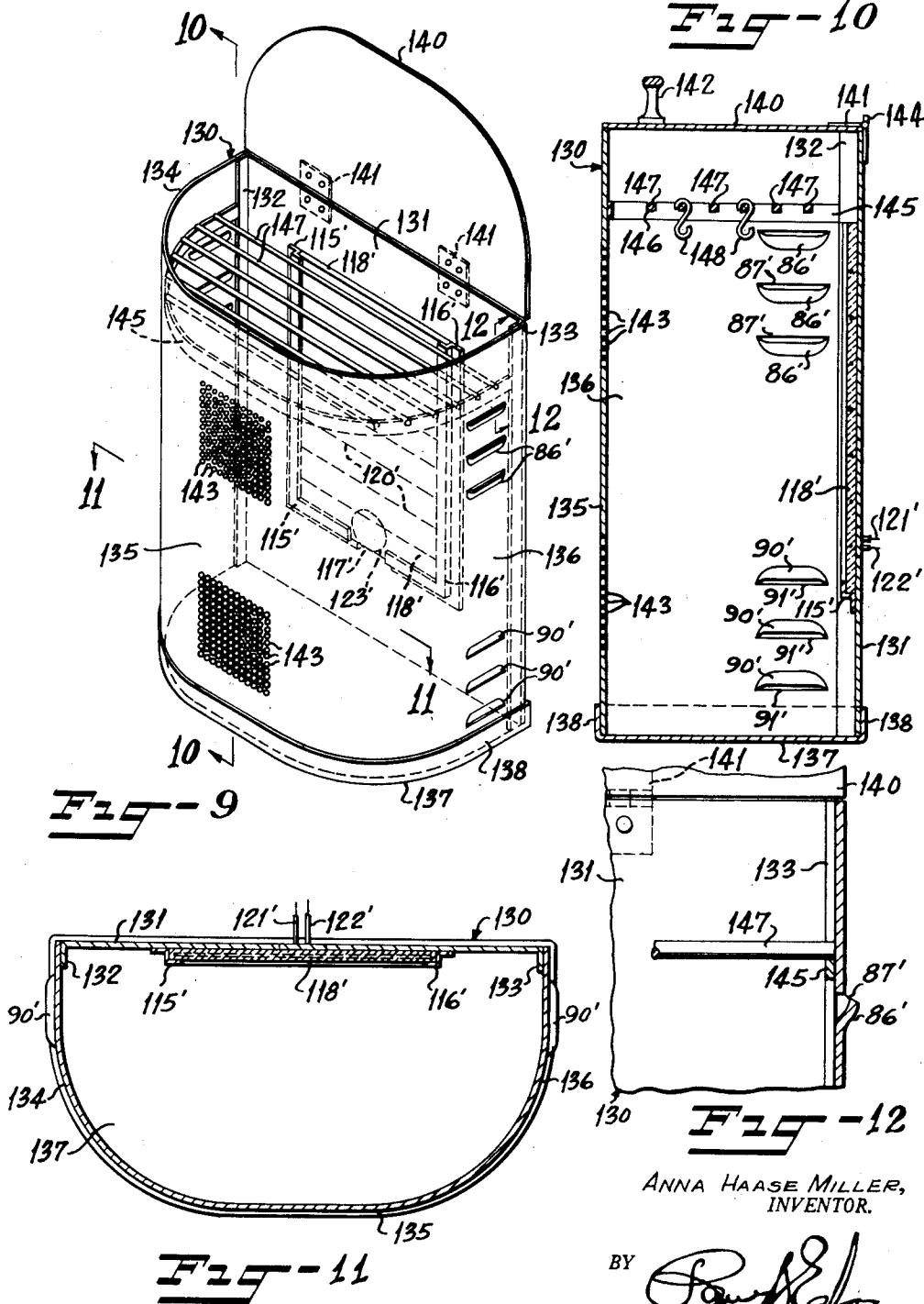
Nov. 18, 1952

A. H. MILLER
VENTILATED CONSOLE

2,618,076

Filed Dec. 1, 1949

3 Sheets-Sheet 3



ANNA HAASE MILLER,
INVENTOR.

BY

Paul Miller

ATTORNEY

UNITED STATES PATENT OFFICE

2,618,076

VENTILATED CONSOLE

Anna Haase Miller, Hickory, N. C.

Application December 1, 1949, Serial No. 130,473

4 Claims. (Cl. 34-163)

1

This invention relates to an article of furniture and more especially to a ventilated console having means therein for suspending clothes or the like in spaced relation to each other and having means whereby air may circulate through the console to dry the clothes or to air them out and also, if desired, means for heating the interior of the console may be provided to further assist in the drying of the clothes therein.

It is a primary object of this invention to provide a ventilated console having means therein for suspending various articles such as moist towels, clothing or the like, in spaced relation to each other, to be dried inside the console and also, if desired, having means for heating the interior of the console and also being provided with ventilation openings through which air may circulate to air out the clothes and to assist in drying the same.

It is another object of this invention to provide a ventilated console of the type described which may also be used as a piece of household furniture such as a night stand, end table, storage cabinet, or the like.

It is still another object of this invention to provide a ventilated console of the type described having clothes hanging rods removably disposed therein which may be moved from one part of the console to another and which may be removed from the console to facilitate the hanging of clothes or the like thereon or the removal of clothes therefrom. A drip tray is also provided which is adapted to rest on the floor of the console and to catch and retain moisture dripping from the articles being dried within the console. This drip tray is preferably provided with handles to facilitate the easy removal thereof and to permit the tray to be used as a carrying tray for loading and unloading the console and for other purposes.

It is still another object of this invention to provide a ventilated console of the type described having at least one wall thereof provided with brackets for the reception of a suitable electric heating unit so that a heating unit may be disposed therein, if desired, and the heat emitted therefrom will assist in drying articles suspended within the console.

Some of the objects of the invention having been stated, other objects will appear as the description proceeds, when taken in connection with the accompanying drawings, in which—

Figure 1 is an isometric view of a preferred form of a ventilated console having a heating element disposed in its rear wall and showing the

2

manner in which clothes hanging rods are disposed in the upper portion of the console and showing a drip tray in the bottom of the console;

Figure 2 is a rear elevation of the console taken substantially along the line 2—2 in Figure 1 and showing the manner in which the heating element is disposed in the rear panel of the console;

Figure 3 is a vertical sectional view taken substantially along the line 3—3 in Figure 1 and showing the inner side of the screen door at the right-hand side of the console in Figure 1 and showing the manner in which the rack for supporting the clothes hanging rods is disposed within the console but omitting the clothes hanging rods;

Figure 4 is a front elevation of a modified form of console showing the heating element, the drying rack and the drip pan in dotted lines;

Figure 5 is a side elevation of the console shown in Figure 4 and looking at the right-hand side of Figure 4 and showing the manner in which ventilating louvres are disposed in the side walls thereof and showing brackets for supporting a heating unit in dotted lines;

Figure 6 is a vertical sectional view taken substantially along the line 6—6 in Figure 5 and showing the heating unit supported by brackets on the rear wall of the console;

Figure 7 is a sectional plan view taken substantially along the line 7—7 in Figure 4 and showing the drying rack and showing the front door in an opened position;

Figure 8 is an enlarged sectional view taken along the line 8—8 in Figure 7 and showing the manner in which the door is connected to the drying rack;

Figure 9 is an isometric view of another modified form of a console and showing its top in raised position and showing a removable heating unit disposed on the rear wall thereof and showing clothes hanging rods disposed in the top portion thereof;

Figure 10 is a vertical sectional view taken substantially along the line 10—10 in Figure 9 and showing the upwardly and downwardly turned ventilating louvres in the sides of the console;

Figure 11 is a sectional plan view taken substantially along the line 11—11 in Figure 9;

Figure 12 is an enlarged vertical sectional view of a portion of the console taken substantially along the line 12—12 in Figure 9, and showing the manner in which the top ventilator louvres are formed.

Referring more specifically to the drawings it

3

will be observed that I have provided a ventilated console which is shown in three forms, the preferred form being shown in Figures 1, 2 and 3. However, it is to be understood that any or all of the modifications shown in the other figures of the drawings may be used with the preferred form of the invention if so desired.

Now, referring to Figures 1, 2 and 3, there will be observed a ventilated console broadly designated at 10 having a frame comprising a plurality of vertically disposed angle bars 11, 12, 13 and 14 to the upper ends of which are welded a plurality of horizontally disposed angle bars 16, 17, 18 and 19, the upper ends of bars 12 and 13 being spaced from the downturned portion of bar 17. The lower ends of the angle bars 11, 12, 13 and 14 are suitably secured, as by welding, to the corner portions of upturned flanges 21 of a floor member 22 and a bar 15 only one of which is shown is secured, as by welding, to the side of each angle bar 12 and 13 in spaced relation to the rear portion of the angle bars 12 and 13.

A top 23 is hingedly secured as at 25 to the upper surface of the horizontal angle bar 17 and this top 23 may be pivoted in an arc of 180 degrees so that when it is in the position shown in Figure 1, it will cover the opening formed by the angle bars 16, 17, 18 and 19 and will provide a table-like top for the console 10 and which may be pivoted to the left in Figure 1 to permit articles to be placed within the console 10.

Hingedly secured by hinges 26 to the angle bar 12 is a left-hand side door 27 having a screen panel 28 therein, and hingedly secured as at 30 to the angle bar 13 is a right-hand side door 31 having a screen panel 32 therein. The doors 27 and 32 are identical except that one is opposite hand to the other.

Hingedly secured as at 33 and 34 to the angle bars 11 and 14, respectively, are left and right front door frames 36 and 37 having screen panels 38 and 40, respectively. The doors 27, 31, 36 and 37 each has a latch member 41 for holding it in a closed position, the latches 41 comprising a handle which may be grasped to open the said doors.

A door stop 42 (shown in dotted lines in Figure 1) is disposed midway of the front portion of the console 10 and is secured at its upper end to angle bar 19 and at its lower end to the flange 21 of the floor 22.

A rear wall 50 is confined at its lower edge between the angle bars 12 and 13 and the bars 15 and its upper edge is confined between the bars 15 and the upper ends of the angle bars 12 and 13. The rear wall 50 may be of any suitable material such as glass or plastic or the like and has disposed therein a heating element 51 which is connected at 52 to suitable electric wires 53 and 56 which are, in turn, connected to a plug 54 which may be plugged into an outlet connected to a source of electrical energy, not shown. The heating element 51 is preferably of a low wattage so that a sufficient amount of heat will be provided to heat articles within the interior of the console 10 but the element 51 will not heat the wall 50 to such a point that clothes or the like coming into contact therewith might be burned or scorched. If a high wattage is used it is obvious that suitable insulation must be provided.

The floor 22 of the console 10 supports a drip tray broadly designated at 60 having front and rear walls 61 and 62 and side walls 63 and 64. Handles 65 and 66 are secured to the side portions 63 and 64 to facilitate easy removal of the

4

drip tray from the console 10. The drip tray 19 is provided to catch and retain liquid dripping from clothes or the like being dried in the console and is removable so that liquid contained therein may be emptied and so that the tray may be used to carry clothes to and from the console.

A rack 70 formed of corrugated wire is disposed in the upper interior portion of the console 10 and is secured, as by welding, to the interior surfaces of the angle bars 11, 12, 13 and 14. A plurality of clothes hanging rods 71 are adapted to be disposed with their opposed ends resting in furrows 72 in the rack 70. It is thus seen that the rods 71 may be removed from the console 10 to facilitate the placing of clothing or the like thereon and they may then be placed in the console, the furrows 72 of the rack 70 causing them to be disposed in spaced relation to thus provide space between the clothes hanging thereon through which air may circulate.

It is thus seen that articles such as clothes or the like may be placed on the rods 72 and thus be suspended within the console 10 and that air will be permitted to circulate freely through the screen portions 28, 32, 38 and 40 of the doors 27, 31, 36 and 37, respectively, to air the articles hanging within the console 10 and to prevent mold or the like from forming thereon and to assist in drying wet clothing or the like. It is also seen that the plug 54 may be connected to a suitable source of electricity to energize the heating element 51 to heat the articles within the console which will assist in drying the same.

Referring to Figures 4, 5, 6, 7 and 8, there will be observed a modified form of the invention which may also be used as a suitable bed side table, storage cabinet or the like and which is broadly designated at 75 and has a frame composed of any suitable material such as sheet metal, plastic or the like bent to form a left-hand side wall 76, a front wall 77, a right-hand side wall 78 and a rear side wall 79. The left-hand portion of the rear wall 79 in Figure 7 is bent at an angle to engage the edge of the left-hand side wall 76 and is secured thereto by any suitable means, such as spot welding.

The front wall 79 of the console 75 has an opening 81 for access to the interior of the console. The frame of the console comprising the walls 76, 77, 78 and 79 rests on a floor member 82 having upturned flanges 83 which are secured to the lower portions of the walls 76, 77, 78 and 79 in any suitable manner, as by spot welding.

A suitable top 84 having downturned edges 85 is provided to fit over the upper portion of the walls 76, 77, 78 and 79 of the console 75 to close the top of the same. Disposed in the upper portion of the side walls 76 and 78 are ventilation louvres 86 formed by cutting the side walls 76 and 78 along a cut line indicated at 87 in Figure 6 and then bending a portion of the side wall outwardly and downwardly to form the upwardly facing louvres 86 through which air may flow to ventilate the interior of the console 75.

The lower portions of the side walls 76 and 78 also have suitable slots or louvres 90 which are formed by cutting a portion of the side walls 76 and 78 along the line 91 and bending the adjacent portions of the walls outwardly and upwardly to form the downwardly facing louvres 90 through which air may blow to ventilate the interior of the console 75.

The louvres 86 and 90 are faced upwardly and downwardly, respectively, to facilitate the flow of air through the console 75 due to the fact that

heated air rises and air will thus usually enter the louvres 99 in the bottom of the console and flow through the interior thereof and then flow out through the louvres 86 in the top of the console.

Suitably secured to the left-hand sides of the front walls 77 as by hinges 95 is a front door 96. The front door 96 has a suitable screen panel 97 to permit additional ventilation of the interior of the console 75. A latch member 98 is disposed on the right-hand side of the front door 96 to hold the same in closed position and to serve as a handle for the door 96.

By referring to Figures 7 and 8 it will be observed that the front door 97 has a bracket 100 thereon in which is disposed a downturned portion of a rod 101, the other end of which extends into the interior of the console 75 and slidably rests on the upper portion of a drying rack 110. The rod 101 has an enlarged portion 102 on the inner end thereof which is adapted to be engaged by a substantially L-shaped member 103 suitably secured to the drying rack 110 to prevent the rod 101 from becoming disassociated with the drying rack 110 for purposes about to be described.

Suitably secured to the upper inner surfaces of the side walls 76 and 78 are support rods 105 and 106 which support clips 107 and 108 secured thereto and which extend the depth of the console and which are bent to clampingly and slidably support the drying rack 110 which may be of any suitable material such as wire and which is substantially rectangular in shape to conform to the general contour of the interior of the console 75. The rack 110 has a plurality of spaced rods 111 welded at their opposed ends to the upper surfaces thereof to form a grid upon which clothes or the like to be dried may be suspended.

It is thus seen that when the door 96 is partially opened the enlarged portion 102 will engage the L-shaped member 103 on the rack 110. Now, as the door 96 is moved farther in a clockwise direction in Figure 7, the rack 110 will be caused to slide, in its support clips 107 and 108, outwardly through the opening 81 to where a portion of the rack 110 will be disposed outside the console 75 to thus facilitate the placing of articles on the rack 110 or the removal of the same. If desired, the downturned portion of the rod 101, not shown, which fits in the bracket 100 may be removed so that the door 96 will swing free of the rod 101.

The floor 82 of the console 75 supports a suitable drip pan 112 which is adapted to collect and retain drippings of liquid from the clothing or the like being dried in the console 75 and which may be removed from the console 75 if desired to empty the liquid collected therein or for any other desired purpose.

By referring to Figures 5 and 6 it will be observed that a suitable piece of sheet metal or the like is welded to the inner surface of the rear wall 79 to form a substantially L-shaped bracket 115 on the left-hand side of the rear wall in Figure 6. A similar piece of sheet metal or the like is welded to the right-hand interior surface of the rear wall 79 to form a substantially L-shaped bracket 116. The lower portions of the brackets 115 and 116 are disposed in the same horizontal plane and their ends are spaced apart as at 117 for purposes to be presently described. It is thus seen that the brackets 115 and 116 form grooves in which a heating unit 118 which is preferably of the so-called radiant panel type may be inserted.

This heating unit may be of any suitable material such as a glass panel or of graphite and rubber or it may be of a wire and grid type and in the latter case it must be protected by suitable insulation not shown.

The heating unit 118 has a suitable heating element 120 disposed therein which is connected to wires 121 and 122 which are, in turn, connected to a plug, not shown, which may be inserted in a suitable outlet of electrical energy, not shown.

The rear wall 79 has a cut away portion 123 through which the wires 121 and 122 and the plug attached thereto may be passed.

It is thus seen that the heating unit 118 may be placed in the brackets 115 and 116 of the console 75 and the plug, not shown, on the ends of the wires 121 and 122 may be plugged into a suitable outlet so that electrical energy, preferably of low wattage, will energize the element 120 to provide heat to assist in drying articles such as clothing and the like disposed on the rods 111 in the console 75.

The space 117 between the lower portions of the brackets 115 and 116 is provided so that the lower portion of the heating unit 118 may be engaged to slide it upwardly in the brackets 115 and 116 to remove the same from the console 75 so that the heating unit 118 may be used as a separate element apart from the console 75.

Now, referring to Figures 9, 10, 11 and 12, there will be observed still another form of ventilated console. This form of the invention is broadly designated at 130 and comprises a frame having a rear wall 131 having its right and left-hand ends in Figure 9 turned inwardly as at 132 and 133. Suitably secured, as by welding, to the outer surfaces of the inturned flange 132, is the edge of a single piece of sheet metal or the like which extends forwardly in Figure 9 to form a left side wall 134 and then is curved to the right in Figure 9 to form a front wall 135 and then is curved rearwardly to form a right side wall 136 and the right-hand end thereof is suitably secured, as by welding, to the inturned portion 133.

The frame of the console 130 formed by walls 131, 134, 135 and 136 rests on a floor 137 having an upturned flange 138 extending therearound and to which the lower portions of the walls 131, 134, 135 and 136 are secured, as by welding.

A top 140 is hingedly secured as at 141 to the upper surface of the wall 131 and this top 140 has a projection 144 extending rearwardly therefrom so that when the top is pivoted in an arc of 180 degrees its projection 144 will engage the back wall 131 to provide a support on which articles can be placed in changing or emptying the console. In closed position it will provide a table-like top for the console 130 on which articles can be placed. A suitable handle 142 (Figure 10) is secured to the outer surface of the top 140.

The side walls 134 and 136 of the console 130 are provided with upper and lower ventilating louvres 86' and 99' which are formed in a manner identical to the louvres 86 and 99 in the console 75 heretofore described (as may be clearly observed in Figure 12) and therefore a further description of the louvres 86' and 99' will not be given. The front wall 135 has a plurality of perforations 143 therein to provide additional ventilation.

A rod support 145 of substantially the same configuration as walls 134, 135 and 136 is disposed in the upper portion of the console 130 and is secured to the flanges 132 and 133 and

to the interior surface of the walls 134, 135 and 136 in any desired manner as by welding.

The rod support 145 has a plurality of spaced notches 146 therein in which opposed ends of clothes hanging rods 147 may be disposed. It is thus seen that the clothes hanging rods 147 may be removed from the console 130 and articles such as wet clothing, rags, brushes and the like may be placed thereon and then the rods 147 may be placed with their ends in the notches 146 in the support 145 to thus suspend the clothes or the like in spaced relation to each other within the console 130.

In Figure 10 suitable double-ended hooks 143 are shown suspended on the rods 147, which can be used for suspending brushes or other articles which cannot be suspended from the rods themselves. This type of hook can also be employed on rods 71 and 111 in the other forms of the invention, if desired.

The rear wall 131 of the console 130 is provided with brackets 115' and 116' in which a heating unit 118' may be removably disposed in a manner identical to the manner in which the heating unit 118 is disposed in the brackets 115 and 116 in the console 75 heretofore described. The brackets 115' and 116' and the heating unit 118' are identical to the brackets 115 and 116 and the heating unit 118 and a further description of the same is not deemed necessary.

It is thus seen that I have provided a console in which various articles, such as clothing and the like, may be suspended so as to be wholly concealed within the console, and which console has means for ventilating the same to air out and dry the articles therein and also may be provided with means for heating the interior thereof, and which console may also be used as an article of furniture.

In the drawings and specification there has been set forth a preferred embodiment of the invention, and although specific terms are employed, they are used in a generic and descriptive sense only, and not for purposes of limitation, the scope of the invention being defined in the claims.

I claim:

1. A ventilated console having front, rear and side walls, said front and side walls having openings therein, screen doors hingedly mounted on opposed corners of the console for closing said openings, said console having a floor member and a top member, the top member having an opening therein, a top door hingedly secured to one of the walls for closing the opening in the top member, said rear wall having a panel therein having a radiant electric heating element therein, means for connecting the heating element to a suitable source of electricity, a removable drip tray supported by the floor of the console and having handles thereon to facilitate the removal thereof from the console, means for suspending wet clothing and the like within the interior of the console comprising a pair of corrugated wires supported by the walls of the console and having a plurality of rods removably spaced in the furrows thereof and extending therebetween, whereby air may circulate through the interior of the console to dry the clothing therein, said heating element imparting heat to the clothing to assist in drying the same.

2. A ventilated console having front, rear and side walls and a floor and being provided with a removable top, said front wall having an opening therein, a screened front door hingedly se-

cured to the front wall for closing the opening therein, said side walls having a plurality of upwardly facing louvres therein and a plurality of other louvres facing downwardly, through which air may flow to ventilate the interior of the console, a removable drip tray supported by the floor of the console, a grid clampingly secured to the upper interior walls of the console and from which articles may be suspended, said grid being slidable exteriorly of the console, a removable radiant heating unit having an electric heating element therein, said rear wall having a pair of L-shaped brackets secured to its inner surface, said brackets forming a groove in which the removable heating unit is disposed, said heating element having wires connecting the same to a source of electricity, the lower legs of the L-shaped brackets being in the same horizontal plane and having their proximate ends disposed in spaced relation to each other so that the lower portion of the heating unit may be engaged to remove the same from the console, whereby air flowing through the louvres will tend to dry the articles suspended from the grid, said heating unit imparting heat to said clothing to assist in drying the same.

3. A ventilated console having front, rear and side walls, said front and side walls having openings therein, doors hingedly mounted on opposed corners of the console for closing said openings, said console having a floor member and a top member, the top member having an opening therein, a top door hingedly secured to one of the walls for closing the opening in the top member, said rear wall having a panel therein having a radiant electric heating element therein, means for connecting the heating element to a suitable source of electricity, a removable drip tray supported by the floor of the console and having handles thereon to facilitate the removal thereof from the console, means for suspending wet clothing and the like within the interior of the console comprising a pair of corrugated wires supported by the walls of the console and having a plurality of rods removably spaced in the furrows thereof and extending therebetween, whereby air may circulate through the interior of the console to dry the clothing therein, said heating element imparting heat to the clothing to assist in drying the same.

4. A ventilated console having front, rear and side walls and a floor and being provided with a removable top, said front wall having an opening therein, a front door hingedly secured to the front wall for closing the opening therein, said side walls having a plurality of upwardly facing louvres therein and a plurality of other louvres facing downwardly, through which air may flow to ventilate the interior of the console, a removable drip tray supported by the floor of the console, a grid clampingly secured to the upper interior walls of the console and from which articles may be suspended, said grid being slidable exteriorly of the console, a removable radiant heating unit having an electric heating element therein, said rear wall having a pair of L-shaped brackets secured to its inner surface, said brackets forming a groove in which the removable heating unit is disposed, said heating element having wires connecting the same to a source of electricity, the lower legs of the L-shaped brackets being in the same horizontal plane and having their proximate ends disposed in spaced relation to each other so that the lower portion of the heating unit may be engaged to

remove the same from the console, whereby air flowing through the louvres will tend to dry the articles suspended from the grid, said heating unit imparting heat to said clothing to assist in drying the same.

ANNA HAASE MILLER.

REFERENCES CITED

The following references are of record in the file of this patent:

Number
1,268,778
1,363,130
1,460,378
1,752,797
1,867,388
2,257,394
2,412,407
2,423,587

5

10

UNITED STATES PATENTS

Name	Date
Dodge et al.	June 4, 1918
Kuder	Dec. 21, 1920
Hicks et al.	July 3, 1923
Hutchinson	Apr. 1, 1930
Snively	July 12, 1932
Niersbach	Sept. 30, 1941
Kilbury	Dec. 10, 1946
Drewes	July 8, 1947