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(54) Wall radiator

(57) A wall radiator (1) presenting a top header (4), a bottom header (5), and a number of pipes (6) located between and hydraulically connecting the two headers (4, 5); the pipes (6) presenting an axis (7) of given shape and being arranged in a given manner; and the top header (4) presenting a number of supporting members (8) for supporting items of clothing.

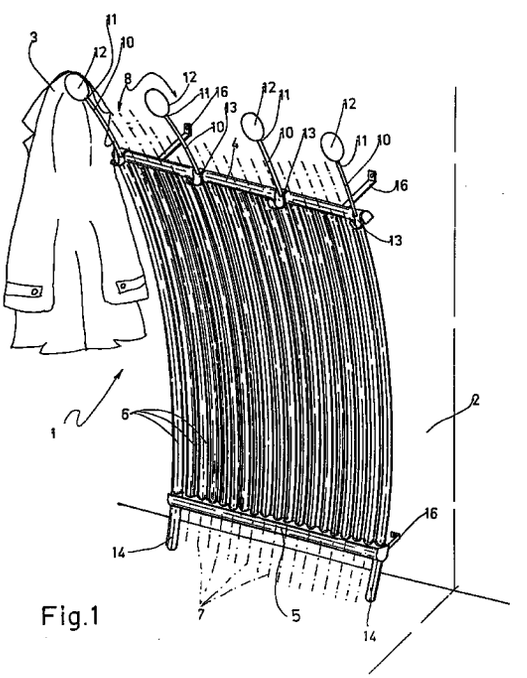

Fig.1

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Description

The present invention relates to a wall radiator for use in the home and in public premises.

It is an object of the present invention to provide a space-saving wall radiator designed to function both as a room heater and clothes-stand.

According to the present invention, there is provided a wall radiator comprising a first and second header and a number of pipes located between and hydraulically connecting said first and second header; characterized in that said pipes present a section of given shape, and an axis also of given shape; and clothes supporting means being fitted to at least one of said two headers for supporting items of clothing.

A non-limiting embodiment of the present invention will be described by way of example with reference to the accompanying drawings, in which:

Figure 1 shows a view in perspective of a preferred embodiment of a radiator in accordance with the teachings of the present invention;

Figure 2 shows a side view of the Figure 1 radiator.

Number 1 in Figure 1 indicates a radiator fittable to a substantially vertical wall 2, and which may be used as a room heater in the home and in public premises, and as a clothes-stand, e.g. for supporting a coat 3 as shown in Figure 1.

Radiator 1 comprises a top header 4 and a bottom header 5 substantially identical to each other; and a number of elongated tubular bodies, or more simply pipes, 6 presenting a circular section and an axis 7 of a given shape and as shown by the dot-and-dash lines in Figure 1. More specifically, pipes 6 in Figure 1 are substantially equidistant from wall 2, and present respective curved axes 7 with the respective concavities facing away from wall 2. It should be pointed out that axes 7 are so arranged that pipes 6 are parallel to one another; each axis 7 lies in a vertical plane substantially perpendicular to wall 2; and header 4 is located further away from wall 2 than header 5.

Radiator 1 also comprises clothes supporting members 8 extending upwards from top header 4; each member 8 comprises a rod 10, the bottom end of which is connected rigidly, e.g. welded, to header 4; and the top end 11 of each rod 10 is fitted integral with an extremely practical elongated, pine-cone-shaped knob 12 for supporting clothes, such as coat 3 and similar. It should be pointed out that each rod 10 is inclined frontwards so as to be substantially tangent to the top end of respective pipe 6, and so that respective knob 12 is eccentric in relation to header 4 and separated from header 4 by a distance, measured horizontally, sufficient to ensure that the clothes, such as coat 3, hung on knobs 12 are detached from pipes 6 and headers 4 and 5.

As shown particularly in Figure 2, for each rod 10, each member 8 comprises an S-shaped hook 13 fitted to header 4. More specifically, each hook 13 presents a first downward-facing curve 13a surrounding the top portion of header 4; and a second upward-facing curve 13b for supporting clothes, such as coat 3, by the loop (not shown) normally attached to the inside of the neck.

Beneath header 5, radiator 1 also comprises at least two feet 14 for discharging groundwards the vertical loads defined by the weight of pipes 6, headers 4, 5 and the clothes, such as coat 3, hanging on knobs 12; and each foot 14 is located at, and shaped as an extension of, a respective pipe 6. As shown in Figure 1, radiator 1 is connected to wall 2 by connecting members 16 made of bent sheet metal, and which counteract the overturning loads defined by said vertical loads being supported by knobs 12 eccentrically in relation to header 4.

Clearly, changes may be made to radiator 1 as described and illustrated herein without, however, departing from the scope of the present invention.

For example, for numerous reasons, pipes 6 may be formed with respective straight axes 7, in which case, to detach coat 3 from pipes 6, radiator 1 may be fitted with pipes 6 sloping frontwards in relation to wall 2, and with rods 10 inclined frontwards.

Claims

1. A wall radiator (1) comprising a first and second header (4, 5) and a number of pipes (6) located between and hydraulically connecting said first and second header (4, 5); characterized in that said pipes (6) present a section of given shape, and an axis (7) also of given shape; and clothes supporting means (8) being fitted to at least one of said two headers (4, 5) for supporting items of clothing (3).

2. A radiator as claimed in Claim 1, characterized in that said first header (4) and said second header (5) are substantially identical.

3. A radiator as claimed in Claim 1 and/or 2, characterized in that said clothes supporting means are fitted to at least one of said two headers (4, 5) eccentrically in relation to said pipes and in relation to said first and second header (4, 5).

4. A radiator as claimed in Claim 3, characterized in that said axis (7) is a curved line; said pipes (6) being substantially parallel to one another and substantially equidistant from a vertical plane (2).

5. A radiator as claimed in Claim 4, characterized in that said first header (4) is further away from said vertical plane (2) than said second header (5).

6. A radiator as claimed in Claim 4 and/or 5, characterized in that said first header (4) is located over said second header (5); said clothes supporting means (8) comprising rods (10) extending upwards

from said first header (4) and substantially inclined frontwards; and each said rod (10) presenting a respective free end fitted with a pine-cone-shaped body (12) for supporting items of clothing (3).

7. A radiator as claimed in Claim 6, characterized in that said rods (10) are substantially inclined frontwards so that said shaped bodies (12) are eccentric in relation to said pipes (6), and so that the items of clothing (3) supported on said shaped bodies (12) are detached from said pipes (6) and from said first and second header (4, 5).

8. A radiator as claimed in Claim 7, characterized in that said clothes supporting means (8) comprise a hook (13) of a given shape and fitted to said first header (4).

9. A radiator as claimed in Claim 8, characterized in that each said hook (13) presents a first curved portion (13a) substantially surrounding said first header (4); and a second curved portion (13b) for supporting items of clothing by a respective known loop attached to the inside of the neck of the item of clothing.

10. A radiator as claimed in Claim 4, characterized by comprising supporting means (14) for discharging groundwards the vertical loads defined by the total weight of said pipes (6), said first and second header (4, 5) and the items of clothing (3) hanging on said shaped bodies (12).

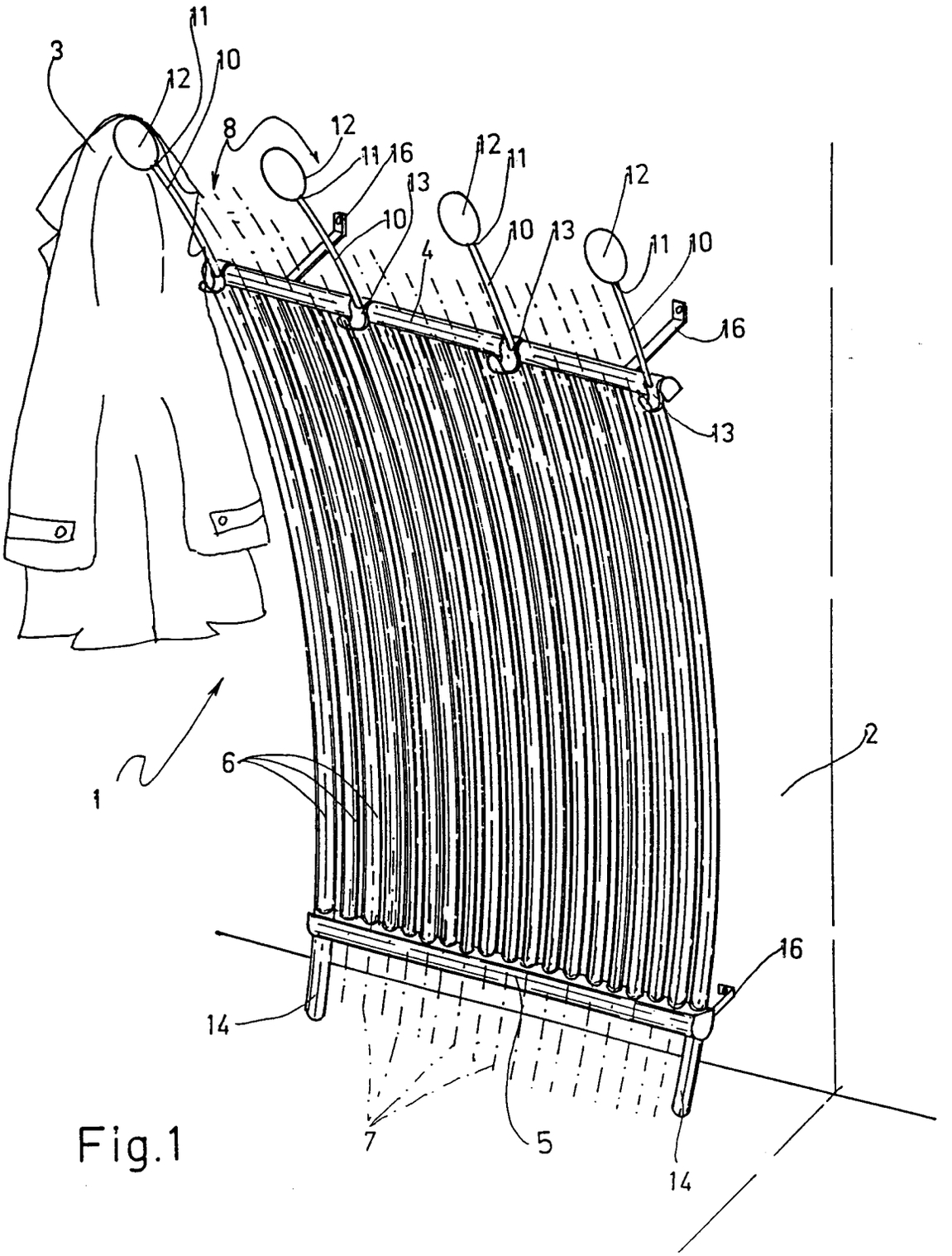

Fig.1

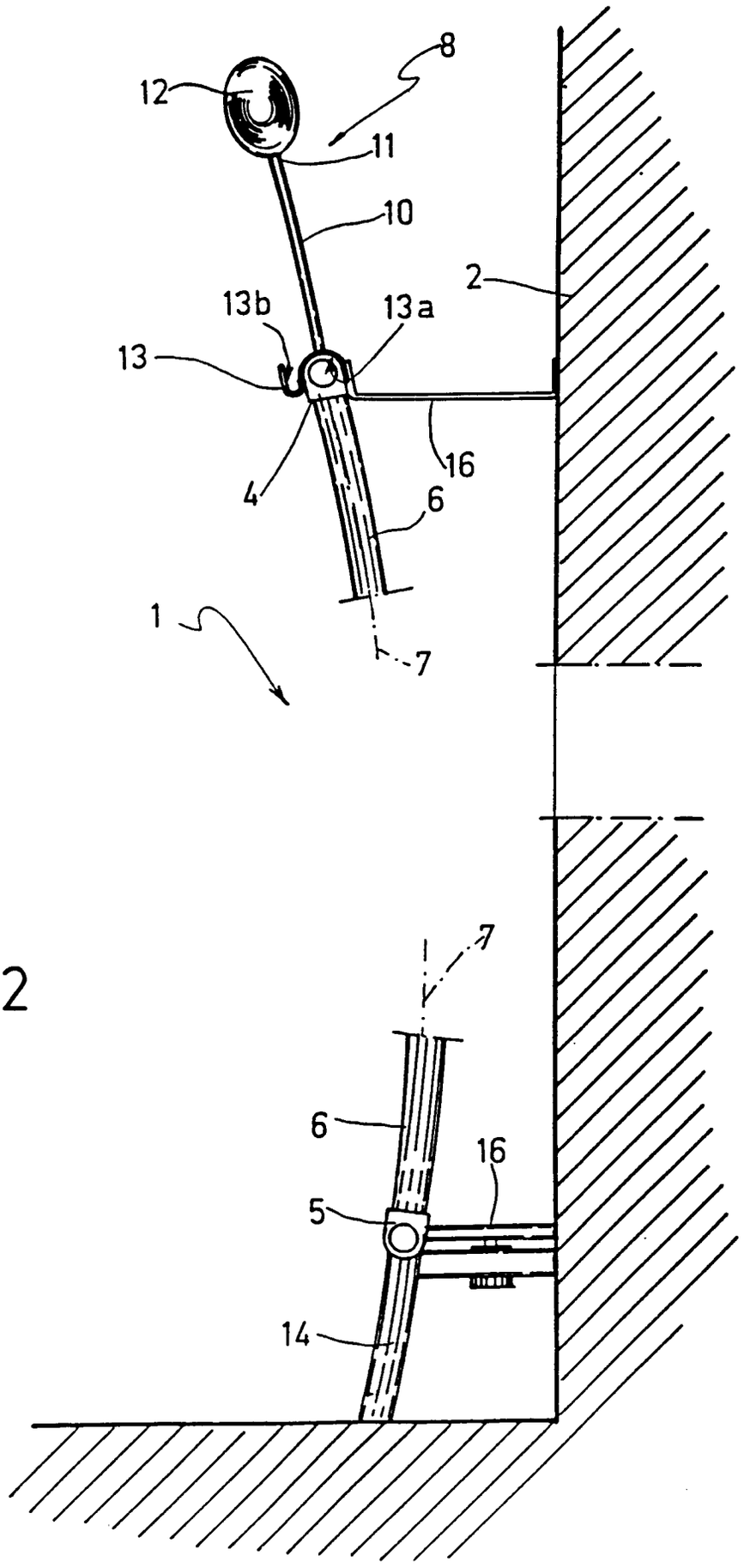

Fig.2