

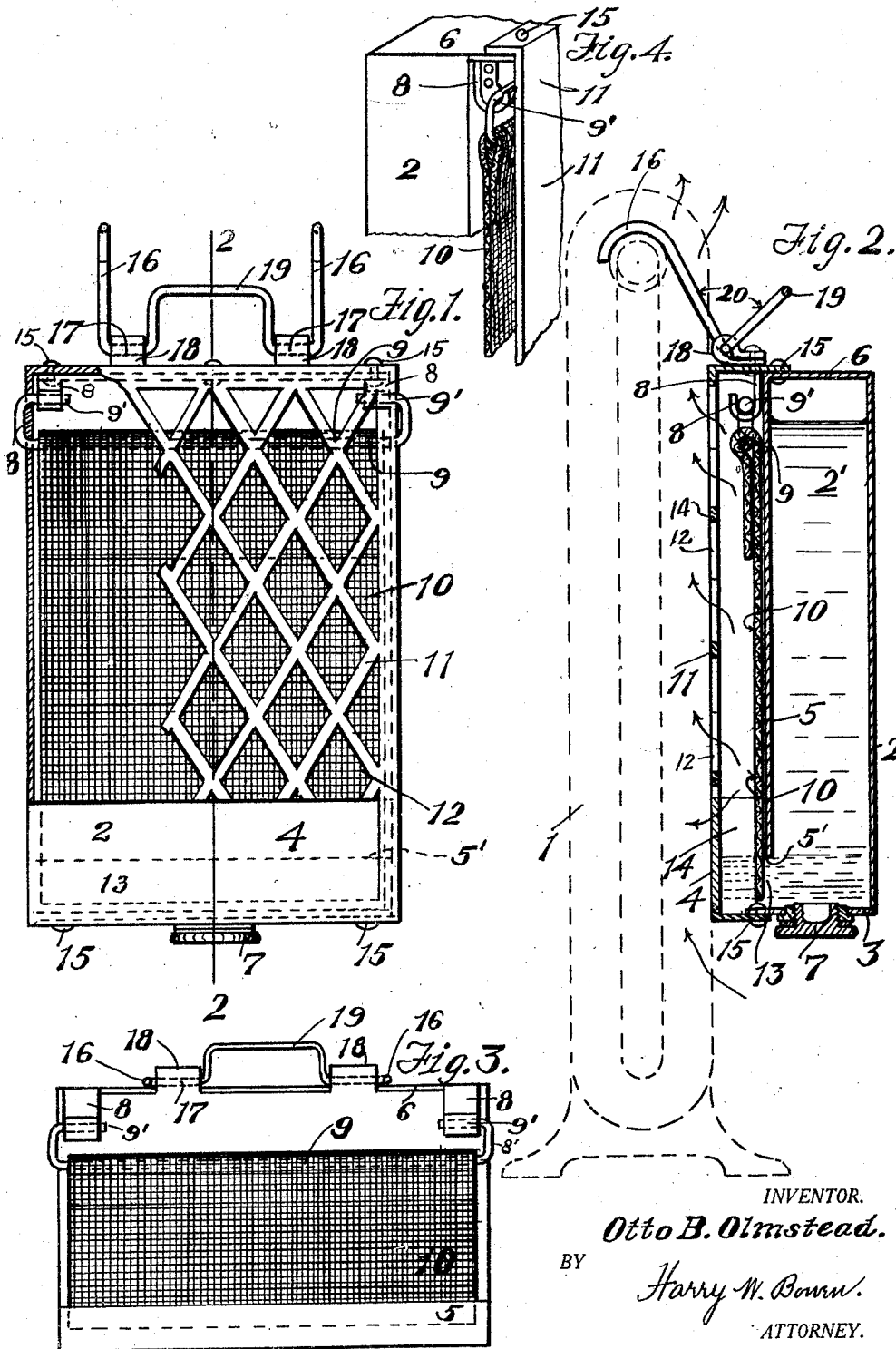
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DEVICE FOR SUPPLYING MOISTURE

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DEVICE FOR SUPPLYING MOISTURE.

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To all whom it may concern:

Be it known that I, OTTO B. OLMSTEAD, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in a Device for Supplying Moisture, of which the following is a specification.

This invention relates to improvements in devices for supplying moisture to a room. It is particularly adapted to be temporarily attached to a steam or hot water radiator. It is so constructed and arranged that the heat or warm air currents rising from the radiator will come directly into contact with a suitable fabric which possesses a high degree of capillary attraction. The invention further comprises a lattice work which is adapted to rest against the side of the radiator, and, a hook member for temporarily attaching the device to the top of the radiator; a handle member is also provided for convenience in carrying the device when it is removed from a radiator.

Referring to the drawings:

Fig. 1 is an elevational view of the front side of the air moistener device removed from a radiator and showing the open lattice work, the water absorbing fabric which normally dips into the water at the lower end or bottom of the receptacle and showing the carrying handle and the hooks for attaching the device to a radiator.

Fig. 2 is a vertical sectional view taken on a plane represented by the line 2—2 of Fig. 1, and showing the interior construction of the water holding receptacle, the water passage at the lower portion, the depending fabric and the lattice work.

Fig. 3 is a view of the top portion of the device, and

Fig. 4 is a perspective detail view partially in section.

Referring to the drawings in detail:

1 designates the usual radiator which may be either for steam or hot water heating. 2 designates as a whole the receptacle for containing the water which is indicated at 2'. This receptacle is preferably formed from a single piece of sheet metal which is bent to provide the bottom portion 3, and the upwardly extending portion 4 to provide a water pocket, the front part 5 and the top portion 6. The bottom portion 3 is provided with a suitable cap 7 for filling the receptacle 2 when the device is inverted.

Attached by any suitable means, to the forward or front side of the receptacle are two U-shaped brackets 8 for receiving and supporting the rod 9. The inwardly extending hook shaped ends 9' are located in the brackets (see Figs. 3 and 4). Folded over this rod is a suitable fabric 10 preferably one that is formed with a large number of fine threads, as Turkish towelling, in order that the capillarity of the fabric may be efficient, since it is a well known fact that the finer the fabric the greater will be the capillarity and of course, the water will be lifted to a greater height by the fabric. Attached to the upper and lower ends of the receptacle 2 is a member 11 having the large openings 12, cut therein, whereby the heated air from the radiator will very readily pass through these openings and flow directly into contact with the fabric, whereby the water contained in the fabric will be readily evaporated or carried away by the air currents. The water, indicated at 2', passes through the opening 13 which is formed by spacing the lower end 5' of the front 5 from the bottom portion 3, as shown. The fabric 10 is located in the water space 14 between the members 4 and 5. The lattice member 11 serves to prevent the fabric from coming into contact with the outer surface of the hot radiator which would result in forming rust spots thereon. The lattice member 11 is attached to the top and bottom portions 3 and 6 in any suitable way, as by means of the rivets 15.

For the purpose of temporarily attaching or hanging the device on a radiator the two hooks 16 are provided. These hooks are preferably formed from a single piece of wire with a bearing part 17 which passes through the ear pieces 18. Integral with the parts 16 and 17 is the carrying handle part 19, which, as shown, is placed at any suitable angle to the hooks 16, the angular relation being indicated at 20.

The rod 9 and fabric 10 may be readily removed when necessary by simply lifting the hooks 9' from the U-shaped brackets 8 and then moving the same laterally between the lattice 11 and the front part 5 of the device.

The device is filled with water by inverting the receptacle 2. The cap 7 is removed and the water poured into the receptacle until it is completely filled. The cap 7 is then replaced and the receptacle again

turned into the position shown in Fig. 2. The level of the water now drops leaving an air space in the upper end of the receptacle since some of it flows into the space 5 14 through the opening 13. The fabric 10 is now put in place and the hooks 16 are attached to the radiator as shown.

What I claim is:

1. An air moistening device designed for 10 attachment to a radiator comprising, in combination, a receptacle for containing water, the bottom portion having an upturned part, which is spaced from the front side of the receptacle and the front side 15 being formed with a passageway communicating with the said space and the interior of the receptacle, a pair of U-shaped brackets attached to the upper front side of the receptacle, a rod with inturned ends 20 removably supported on the brackets, a fabric on the rod and depending therefrom and having its lower end located in said space, a lattice member attached to the upper and lower end portions of the 25 receptacle and spaced from the fabric to prevent the fabric from coming into contact with the radiator, and means for attaching the device to a radiator.

2. An air moistening device comprising, 30 in combination, a receptacle for containing water, the front side of the receptacle being formed with an opening at its lower end, an upwardly extending part spaced from the front side of the receptacle to 35 provide a pocket for the water opposite the opening, a depending fabric extending into said pocket for taking up the water, means for removably supporting the fabric in the

pocket comprising a rod formed with inwardly extending bent end portions, and 40 open ended U-shaped brackets attached to the upper end of the receptacle for receiving the bent end portions of the rod as described.

3. An air moistening device comprising 45 in combination, a water receiving receptacle formed with a filling opening in its bottom part, a closure cap for the opening, one side of the receptacle having an outlet opening for the water near the bottom, 50 a pocket located about the opening to receive the water from the opening, a fabric suspended adjacent the opening and in the pocket to take up the water and moisten the fabric, and means for suspending the 55 fabric.

4. An air moistening device comprising a 60 water receiving receptacle formed with an outlet in a side wall thereof, a water receiving compartment formed adjacent the 65 opening, a fabric having its lower end suspended in the water receiving compartment, to take up the water in the compartment, means for detachably supporting the 70 fabric comprising a rod formed with inwardly extending hook-shaped ends, brackets open at their upper ends in which the said hook-shaped ends are placed to permit their removal and the removal of the fabric, means for suspending the device on 75 a radiator, and lattice means attached to the receptacle and spaced from the fabric to prevent the moistened fabric from coming into contact with the hot surface of a radiator.

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