June 22, 1926. 1,590,143

V. WILLIAMS

CLOTHES DRIER

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Fig. 1.

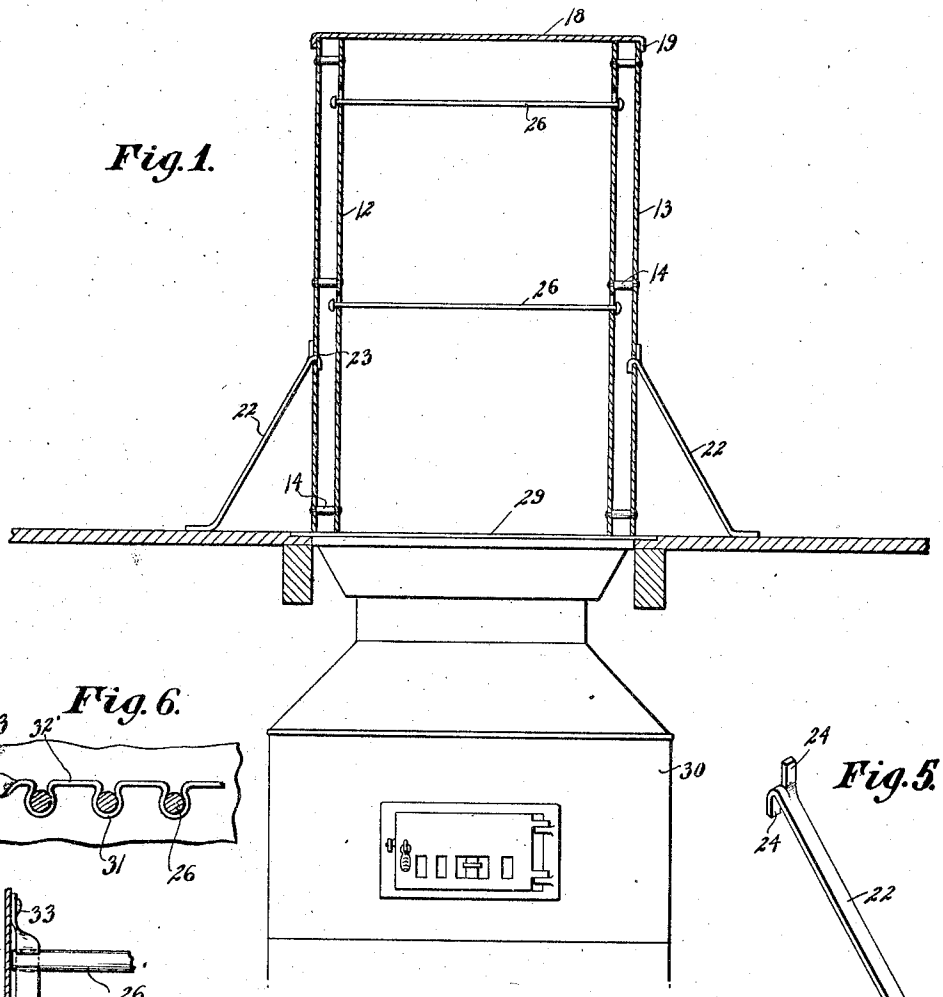


Fig. 6.

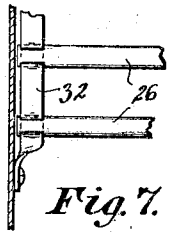


Fig. 7.

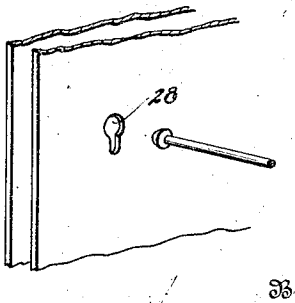


Fig. 4.

Fig. 5.

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Fig.2.

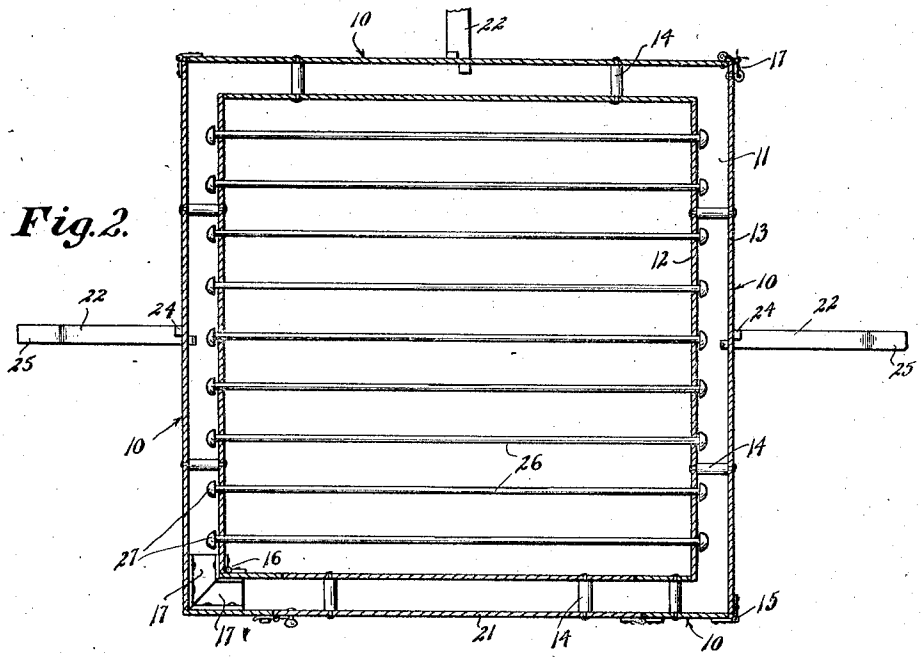
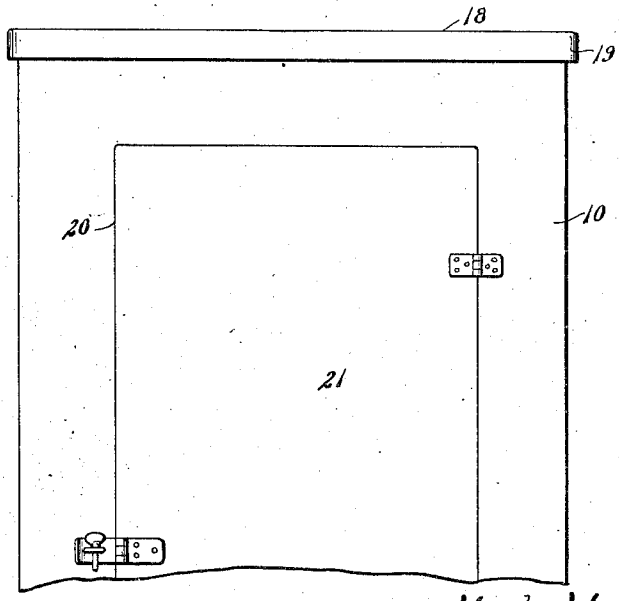


Fig.3.



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Patented June 22, 1926. 1,590,143

UNITED STATES PATENT OFFICE.

VIOLA WILLIAMS, OF CINCINNATI, OHIO.

CLOTHES DRIER.

Application filed January 28, 1925. Serial No. 5,336.

This invention relates to drying cabinets especially designed for drying clothes, an object being to provide a cabinet by means of which heat from a hot air heater or register may be utilized for clothes drying, the invention being especially useful in dwellings.

Another object of the invention is the provision of a clothes drying cabinet which is simple in construction, may be folded compactly and stored when not in use and which may be easily and quickly set up over a hot air register or other source of heat.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a vertical sectional view illustrating the invention, a portion of a furnace or heater being shown in elevation.

Figure 2 is a horizontal sectional view of the cabinet on an enlarged scale.

Figure 3 is a fragmentary front elevation.

Figure 4 is a fragmentary perspective view showing a portion of one of the walls of the cabinet and a portion of one of the hanger rods with the latter removed from the wall.

Figure 5 is a detail perspective view of one of the inclined braces.

Figure 6 is a fragmentary view looking at one of the inner walls of the cabinet and illustrating a different means for supporting the hanger rods, the latter being shown in section.

Figure 7 is a fragmentary top plan view of the same.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the cabinet which is shown as rectangular in cross section may be of any desired shape. The cabinet shown is of sectional formation and includes separate walls 10 which are suitably hinged together and suitably insulated to prevent the passage of heat therethrough. Insulation of the walls may be effected by means of a cover or a lining, or the walls may be formed with an air space 11. In this latter construction the walls 10 are formed of inner plates 12 and outer plates 13. These plates are connected in spaced parallel relation by means of combined spacing and connecting elements 14.

The walls are adapted to be folded one upon the other when the cabinet is not in use and to provide for this the outer plates at diagonally opposite corners are hingedly connected as shown at 15. One corner of the cabinet has the inner plates of two adjacent walls hingedly connected as at 16 and the inner and outer walls of these sections adjacent this hinged corner are connected by substantially channel-shaped braces 17. Thus the walls 10 may be folded substantially flat. The corner of the cabinet opposite the hinge connection 16 has the edges of the adjacent walls detachably connected as indicated at 17 so that the cabinet may be securely arranged when set up in position for use.

The bottom of the cabinet is open while the top is closed by a removable cover 18 whose marginal flanges 19 extend downward over the upper edges of the walls 10. One wall of the cabinet is provided with an opening 20 which is adapted to be closed by a hinged door 21 and in order to stabilize the cabinet, so that the walls will be held in proper position especially during the opening or closing of the door, there are provided braces 22. These braces are inclined and have their upper ends removably positioned within openings 23 in the outer plates 13 of the walls, the said upper ends of the braces being slitted and bent to provide oppositely extending fingers 24 which engage the opposite faces of the walls 13. The lower ends of the braces are provided with outwardly disposed extensions 25.

Located within the cabinet are hanger rods 26 whose opposite ends are provided with heads or knobs 27. These heads or knobs are adapted to be passed through keyhole slots 28 provided in the plate 12 of opposite walls 10 so that the rods are removably held in place.

The cabinet is designed to be placed over a suitable source of heat and is especially designed for use over a floor register indicated at 29 in Figure 1 of the drawings. Heat passes through this register from a furnace or heater 30 which may be of the type commonly referred to as a one pipe furnace. Obviously some other source of heat may be provided.

Various means may be employed for sup-

porting the hanger rods 26 in addition to providing the keyhole openings 28. In Figures 6 and 7 the rods are supported in loops or sockets 31 formed in a hanger bar 32, the latter being secured to the wall of the cabinet by any suitable means such as screws or other fastening devices 33. The bars 32 are preferably formed of resilient metal and the loops are shaped so as to provide openings slightly less than the diameter of the rods 26. The ends of the rods are forced through these openings into the loops or sockets 31 and are frictionally engaged by the walls of the loops or sockets so as to securely hold them in place, yet permit of their removal when desired.

The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having described the invention what is claimed is:—

1. A drying cabinet comprising a collapsible casing including separate wall sections hingedly secured together in a manner to permit of the wall sections being folded one upon the other, each wall section comprising inner and outer plates, means connecting the plates to hold them in spaced relation and provide an air space, a removable cover, hanger rods extending across the casing and detachably engaging the casing walls and inclined brace rods having one of their ends detachably engaged with the casing.

2. A drying cabinet comprising a casing open at the bottom and adapted to be positioned over a source of heat, hanger bars arranged upon opposite walls of the casing, side bars having spaced sockets therein and hanger rods adapted to have their opposite ends positioned in said sockets.

3. A drying cabinet comprising a casing open at the bottom and adapted to be positioned over a source of heat, hanger bars arranged upon opposite side walls of the casing, spaced open resilient loops provided in the hanger bars and hanger rods having their opposite ends removably positioned in and frictionally engaged by the walls of the loops.

In testimony whereof I affix my signature.

VIOLA WILLIAMS.