

May 20, 1924.

J. H. JONES

1,494,916

CLOTHESRACK

Filed Jan. 17, 1923

2 Sheets-Sheet 1

Fig. 1.

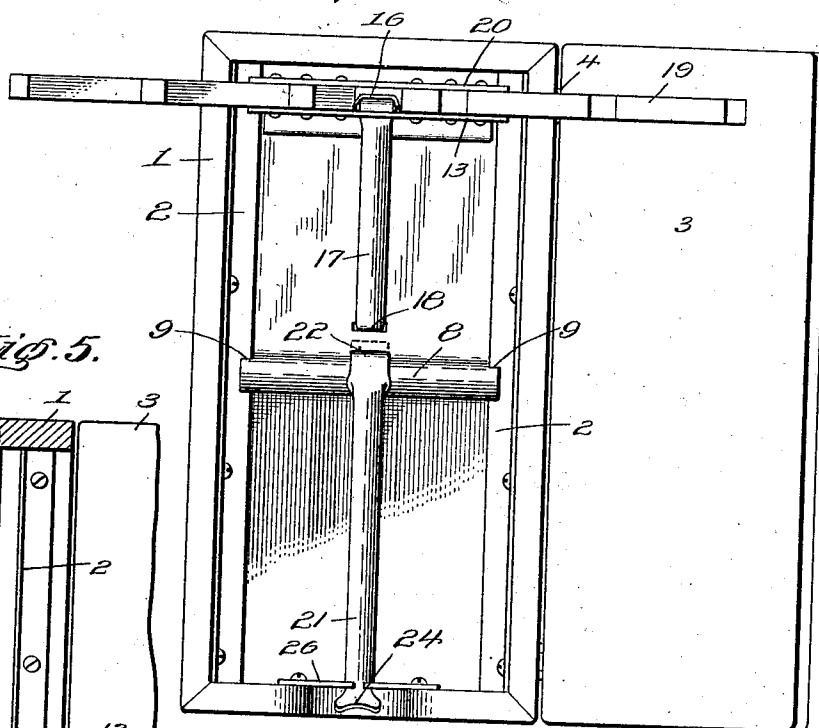


Fig. 5.

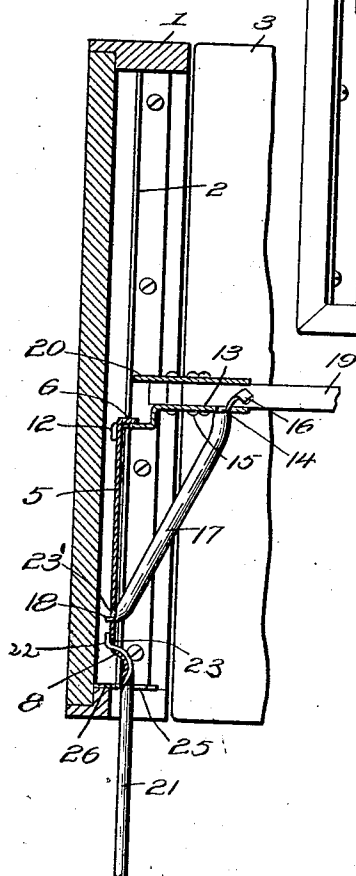


Fig. 6.

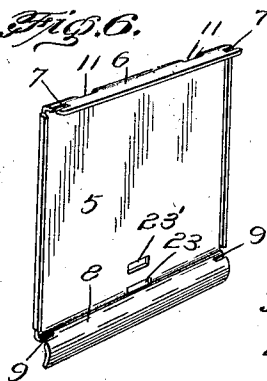


Fig. 7.

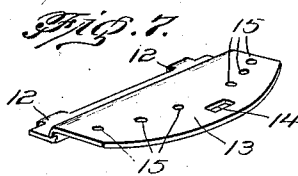
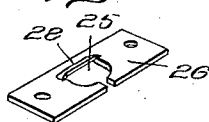


Fig. 8.



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Fig. 2.

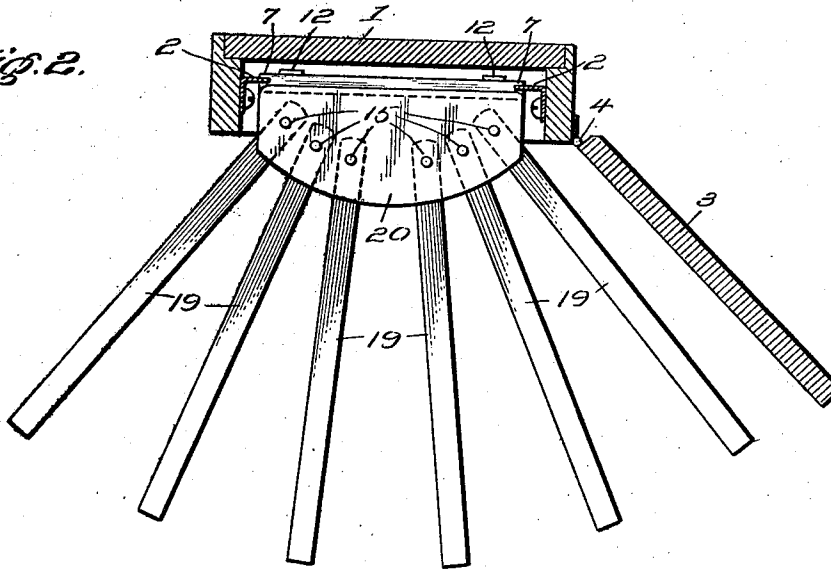


Fig. 3.

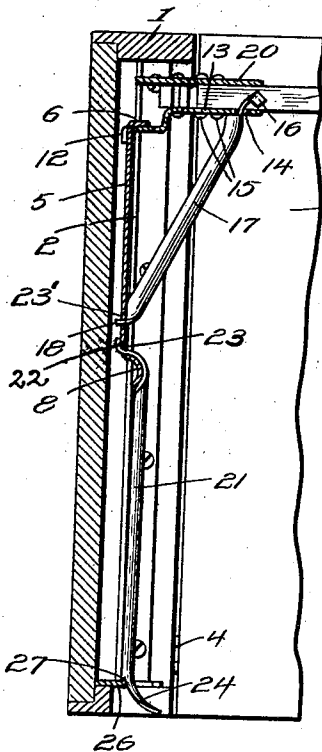


Fig. 4.

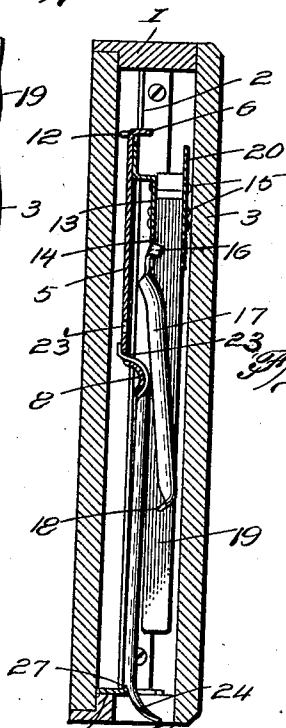


Fig. 9.

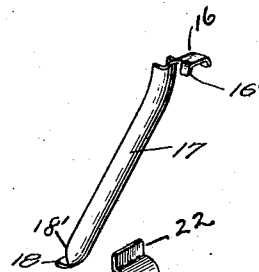
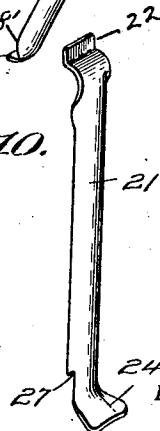


Fig. 10.



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UNITED STATES PATENT OFFICE.

JOSEPH H. JONES, OF LOS ANGELES, CALIFORNIA.

CLOTHESRACK.

Application filed January 17, 1923. Serial No. 613,132.

To all whom it may concern:

Be it known that I, JOSEPH H. JONES, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Clothesracks, of which the following is a specification.

This invention has reference to clothes racks or driers and its object is to provide a compact device for the purpose which may be stored in small compass and shall be of cheap manufacture and readily manipulated for the purpose.

In accordance with the invention, there is provided a wall cabinet which may be closed so as to hide and protect the clothes drier in the compacted position and which may be opened up so as to expose the clothes drier arms so that the clothes may be spread out to dry.

The device is so constructed that the clothes rack in the expanded position may be lowered in accessible form for placing the clothes thereon and then may be raised to a higher position with the clothes-holding arms spread for drying purposes.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawings forming part of this specification, with the understanding that the invention is not confined to any strict conformity to the showing of the drawings, but may be changed and modified so long as such changes and modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:—

Figure 1 is a front elevation of the clothes drier with the parts fully exposed ready to support the clothes and with the clothes holding arms in the raised position.

Fig. 2 is a plan view of the structure shown in Fig. 1 with the doors open and showing the clothes holding arms in the spread position.

Fig. 3 is a vertical section from front to rear with the arms in the spread condition.

Fig. 4 is a vertical section with the arms collapsed and the doors closed, with said doors in vertical section.

Fig. 5 is a front to rear section with the arms lowered but still spread.

Fig. 6 is a perspective view of a plate for holding the arms in the elevated position.

Fig. 7 is a perspective view of another plate cooperating with the plate of Fig. 6.

Fig. 8 is a perspective view of a lower latch plate for holding the clothes sustaining arms in the elevated position.

Figs. 9 and 10 are perspective views of coacting latch members for holding the clothes carrying arms in the elevated position and locked against collapse.

Referring to the drawings, there is shown a shallow cabinet 1 formed with a door or cover 3 hinged to a side member of the cabinet 1 so as to be moved outwardly therefrom or closed thereagainst, the door 3 being fast to the body by hinges 4 allowing the cover member to be swung outwardly or inwardly as the case may be.

Extending lengthwise of each side wall of the cabinet upon the inner side is an angle member 2, of a length about equal to that of the body 1 and having one angle projecting inwardly from the wall, between the front and back, to provide a track.

There is also provided a sliding plate 5 shown separately in Fig. 6 and this plate has across its upper end a right angularly forwardly extending flange 6 of a length to extend between the angle guides 2 with notches 7 at each end to embrace the edges of the angle guides 2.

At the lower end of the plate 5 there is provided a cross piece 8 which may be curved crosswise of its length to provide a stiffening shape with the ends having formed therein notches 9 to receive the edges of the angle members 2.

The plate 5 has intermediate its sides, spaced notches 11 formed in the plate at the intersection of the flange 6 and the plate to receive angular tongues 12 on a supporting plate 13 having an aperture 14 formed centrally therein and intermediate of a number of smaller apertures 15 traversing the plate 13.

The aperture 14 is in turn traversed by an outturned tongue 16 at one end of a brace arm 17 having an inturned tongue 18 at its opposite or lower end and a bearing face 18' adapted to abut the face of the plate 5, when the tongue 18 is engaged therewith.

As clearly shown in Fig. 9, the tongue 16 has at its outer end downturned ears 16', which prevent the tongue from slipping

from the aperture 14 when the arm 17 is disconnected, as shown in Fig. 4.

The pins 15 each extends through one end of a clothes supporting arm 19 held to the plate 13 by extension through the aperture 15 and said pins also extend through another plate 20 engaging the opposite sides of the clothes drying arms 19 so that the arms 19 and the plate 20, together with the plate 13 constitute a clothes drying rack of the folding type.

The stiffening bar 8 carried by the lower end of the plate 5 is connected to a brace arm 21 provided with a tongue 22 engaged through a perforation 23 through the plate 5 and adjacent to and below a second perforation 23' and formed at the lower end with an expanded tongue 24 engageable in a notch 25 through a plate 26 fast to the lower portion of the box or casing 1 and the lower end of the arm being provided with notches 27 engaging a lip 28 carried by the plate 26 at the rear of the notch 25 whereby to permit the arm 21 a freedom of movement in the notch 25 to allow the arm 21 to unlock from the plate 26 and slide lengthwise there-through.

The tongue 24 is so formed as to constitute a finger hold whereby the arm 21 may be unlocked from the plate 26 to allow the arm 21 to slide through the notch 25 in the plate 26 and permit the plate 5 and parts carried thereby to be moved lengthwise of the box or casing 2, whereby to lower or raise the group of arms 19 within the box 1.

Ordinarily the box or casing 1 is sustained on a suitable support such as a wall or the like and the clothes carrying arms 19 are housed in the box with the plate 5 in the lowered position and the arms 19 folded down flat against the inside of the box so as to be pendant therein.

On moving the arm 21 in the direction away from the rear face of the box 1, the notches 27 are moved out of engagement with the lip 28 and the arm may then be moved downwardly carrying the plate 5 and arm 17 with the tongue 18 of it with said arm 17 fast in the notch 23' in the plate 5 so that the arm 17 is lowered into such position as to be grasped by the hand of the operator, whereupon the clothes carrying arms 19 may be loosened from engagement with the plate 5 so that they may be rocked downwardly about the hinge tongue 12 and thereby rendered accessible to the operator.

In this position, the clothes drier is in its lowermost position and the arms 19 may be moved into the spread condition for the application of clothes thereto. Now the clothes may be applied to the arms 19 and the structure raised by means of the brace arm 21 until the arms 19 are all elevated to the top portion of the casing 1.

When this is accomplished, the tongue 24

lodges in the aperture 25 and locks to the tongue 28 by means of the notch 27 thus holding the structure in the elevated position, and the arm 17 will lock with the tongue 18 in the aperture 23' thereby holding the clothes drier in the elevated spread condition, the door 3 being in the meantime held open by the spreading of the arms 19.

When it is desired to remove the clothes after they have dried, and to close up the casing 1, the arm 21 is released from the plate 26 and the structure is lowered into accessible position for the removal of the dried clothes. After this the arms 19 may be released from the brace arm 17 and the arms 19 are folded down into the casing 1, when the arms in the folded condition may be raised by the elevation of the brace arm 21, which is relocked in the casing 1 and the door 3 may be closed and fastened.

What is claimed is:—

1. A clothes rack of the character described comprising the combination with a cabinet, of a pair of opposed tracks carried upon the inner face of the side walls of said cabinet, a vertically positioned plate having its upper and lower edges extending forwardly, the edges of said forward extensions being provided with notches to receive and allow said plate to slide upon the tracks, said plate further having transversely spaced apertures near its upper end and vertically spaced apertures upon its longitudinal center near its lower end, a supporting plate having right angularly extending tongues at its rear edge for extension through said transversely spaced apertures to provide a hinge connection and support between the plates, pivoted arms carried by said supporting plate, brace means in loose connection with said supporting plate, and in detachable engagement with one of said vertically spaced apertures, and abutting the face of said vertical plate for retaining said plate and arms in extended position, and an actuating bar having its upper end curved inwardly and upwardly, and adapted to be positioned over said forwardly extending edge and extend through the other of said vertically spaced apertures to provide a swinging connection with the vertical plate for actuating the same upon said tracks.

2. A clothes rack of the character described comprising the combination with a cabinet of, a pair of tracks in said cabinet, a vertically positioned plate slidable on said tracks, a supporting plate carried by said vertical plate, pivoted arms carried by said supporting plate, means in loose connection with said supporting plate and in detachable engagement with and abutting the face of said vertical plate for retaining said plate and arms in extended position, means for actuating said vertical plate upon said tracks, said actuating means having an en-

gaging means near one end upon the inner side thereof, notched means in the lower part of said cabinet for guiding said actuating means, and means carried by said
5 notched means to provide a lip for connection with said engaging means for retaining said actuating means in raised position.

3. A clothes rack of the character described comprising the combination with a
10 cabinet of, a pair of tracks carried by the side walls of said cabinet, a vertically positioned plate having its upper and lower edges extending forwardly, the edges of said forward extension being provided with
15 notches to receive and allow said plate to slide upon said tracks, said plate further having transversely spaced apertures near its upper end and vertically spaced apertures near its lower end, a supporting plate
20 having right angularly extending tongues across its rear edge for engagement with said transversely spaced apertures, said

plate having a centrally positioned aperture near its front edge, pivoted arms carried by said supporting plate, a brace arm for retaining said plate and pivoted arm in extended position, and having an outturned
25 tongue at its upper end extended through said centrally positioned aperture in the supporting plate, downturned ears upon
30 the outer end of said tongue to prevent accidental removal of said tongue from said aperture, an inturned tongue at the lower end of said arm for removably engaging the
35 upper of said vertically spaced apertures, the inner side of said arm abutting the face of the vertical plate, and means engaging the lower of said vertically spaced apertures for actuating said vertical plate upon said
40 tracks.

In testimony whereof, I affix my signature hereto.

JOSEPH H. JONES.