

(No Model.)

L. W. POND.
CLOTHES DRIER.

No. 526,115.

Patented Sept. 18, 1894.

Fig. 1.

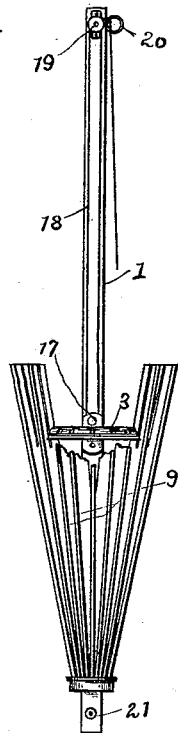


Fig. 2.

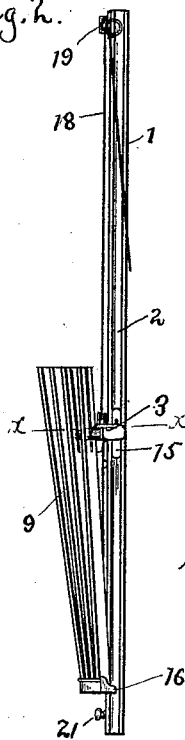


Fig. 3.

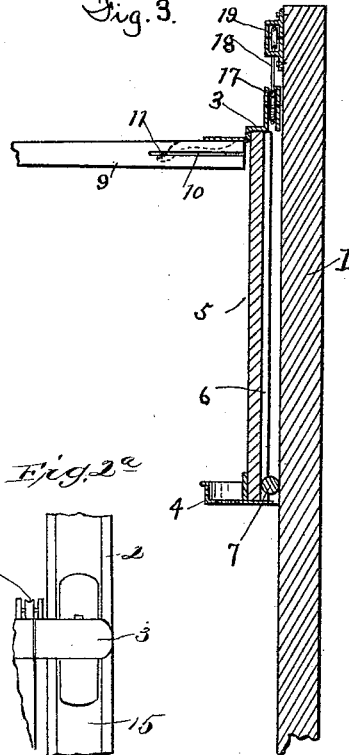


Fig. 2^a.

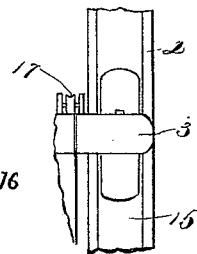


Fig. 4.

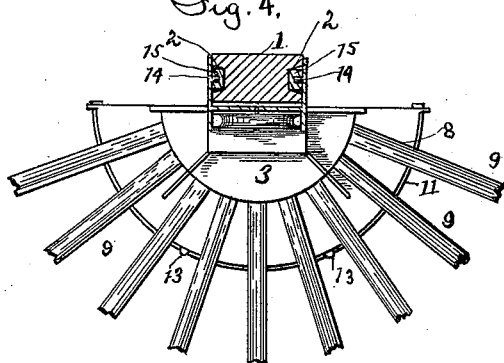


Fig. 5.

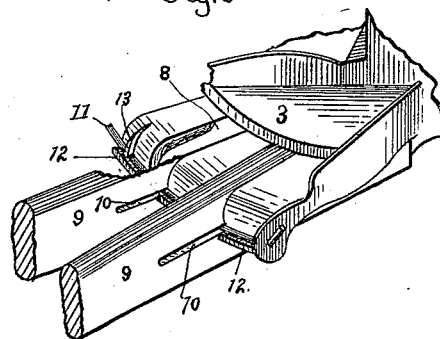
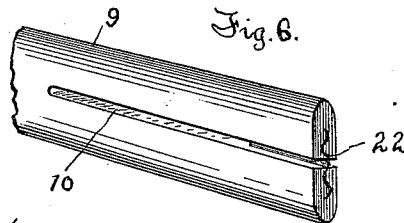


Fig. 6.



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LEWIS W. POND, OF ROCHESTER, NEW YORK.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 526,115, dated September 18, 1894.

Application filed August 15, 1893. Serial No. 483,221. (No model.)

To all whom it may concern:

Be it known that I, LEWIS W. POND, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Drying-Racks; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention has for its object to provide an improved rack for holding articles while being dried, which is capable of being folded into small compass and of being elevated when extended and containing articles to be dried, and consists in certain improvements in construction and combination of parts, all as will be hereinafter fully described and the novel features pointed out in the claims at the end of this specification.

In the drawings: Figure 1 is a front view of a rack or drier constructed in accordance with my invention, showing the supporting arms folded and in lowered position; Fig. 2, a side elevation of the same. Fig. 2^a is an enlarged view of the parts shown in Fig. 2; Fig. 3, a vertical sectional view showing the rack raised and the arms extended; Fig. 4, a cross sectional view on the line *x-x* of Fig. 2; Fig. 5, a detail of the upper portion of the movable rack; Fig. 6, a view of one of the supporting strips or arms.

Similar reference numerals in the several figures indicate similar parts.

1 indicates a strip or support, preferably of wood, adapted to be secured to the wall of the room in which the device is used, or any other suitable support, provided on opposite sides with longitudinal grooves 2 and upon this strip is arranged to slide a movable frame carrying the extensible supporting arms. This frame is composed, in the present instance, of a top plate or casting 3, a bottom casting 4 and a strip 5 connecting said two castings, which strip is provided on the side next the support 1 with a groove 6 in which is loosely arranged a small roller 7 bearing against the face of the support 1, being free to travel from end to end of the groove or recess, and relieve the movable frame from excessive friction.

The upper casting 3 is provided with an outwardly extending portion having slots 8 for

the accommodation of the clothes supporting arms or slats 9, which are preferably composed of wood and are slotted at one end at 10 for the accommodation of the wire 11 extending across the lower portion of the slots in the plate 3 and confined between flanges 12 and one or more lugs 13; the ends of the wire being passed through perforations at the back of the casting and bent over, as shown in Fig. 4. The casting 3 is further provided with lugs 14 projecting into the grooves 2 of the supporting strip 1 and upon these lugs are arranged bearing-blocks 15 sliding loosely in the ways 2 and permitted a limited motion on the lugs so that they may readily accommodate themselves to any inequalities in the sides of the grooves and permit the free movements up and down of the frame. The lower casting 4 forming part of the movable frame is provided with lugs 16 also entering the grooves in the supporting strip 1, but these simply serve to prevent the outward movement of the lower part of said frame.

Mounted upon the upper end of the movable frame and preferably between flanges formed upon the top casting 3 is a pulley 17 around which passes a rope or cord 18 having its end attached to the top of the strip 1 and passing also over a pulley 19 secured to said strip and extending downward in such position that its end may be readily grasped when desired to elevate the movable frame. This rope may also be provided with a ring 20, which may be hooked over a knob or projection 21 secured to the lower end of the strip 1 to hold the frame elevated and said knob also serves as a stop for limiting the downward movement of the movable frame.

When the drier is not in use the supporting arms are in the position shown in Fig. 1, with their lower ends resting in or upon the bottom casting 4, but said arms may be extended by lifting their ends out and drawing them down until the upper ends are in such position that they may be inserted beneath the casting 3, turning upon the supporting wire, as will be understood. In order that the arms, which are of light wood, may be prevented from splitting and also from being withdrawn from the supporting wire, I prefer to close their upper ends by the use of a strip of corrugated metal 22, driven lengthwise into the end of said arm,

as shown in Fig. 6. Of course other means of supporting the folding arms and other arms could be as well employed as those shown herein. When the arms are extended, the movable frame may be raised to the top of the supporting strip out of the way and secured by means of the ring on the cord, which may be put over the knob 21, or otherwise.

By the employment of the small roller on the rear side of the movable frame loosely operating in the slot and the strips or blocks pivoted loosely to the lugs on the plate 3 and operating in the slots 2, the movement of the frame is greatly facilitated and all liability of its binding by reason of any slight warpage of the strip 1 is obviated. This device is very simple and cheap, and as has been found in practice operates admirably for the purpose.

I claim as my invention—

1. In a drying-rack, the combination with the guide or way having the grooves at the sides, of the frame movable thereon having the top and bottom castings, and the connecting piece, said top casting having the slots therein and the rearwardly extending arms having lugs projecting into the grooves, the strips fitting the grooves in the guide and loosely pivoted on the lugs affording a long bearing, and the supporting arms pivoted loosely in the slots in said top casting, and the

bottom casting having arms cooperating with the guide, substantially as described.

2. In a drying-rack, the combination with the guide or way having the grooves at the sides, of the frame movable on the guide consisting of the top and bottom castings and the connecting piece, the top casting having the rearwardly projecting arms and lugs thereon operating in the grooves, and the folding arms, the bottom casting having arms and lugs entering the grooves, and the connecting piece provided with the long recess in its rear side and the roller loosely arranged in said groove and operating on the face of the guide, substantially as described.

3. In a drying rack, the combination with the guide or way having grooves, of the movable frame composed of the top casting having the rearwardly projecting arms provided with the lugs, the lower casting recessed for the ends of the supporting arms, and the connecting piece, the supporting arms pivoted and longitudinally movable on the top casting, the pulley on said casting, and the lifting cord, substantially as described.

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Witnesses:

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