No. 842,490. PATENTED JAN. 29, 1907.

A. F. POGGI.

CLOTHES DRIER.

APPLICATION FILED AUG. 12, 1905.

Fig. 1.

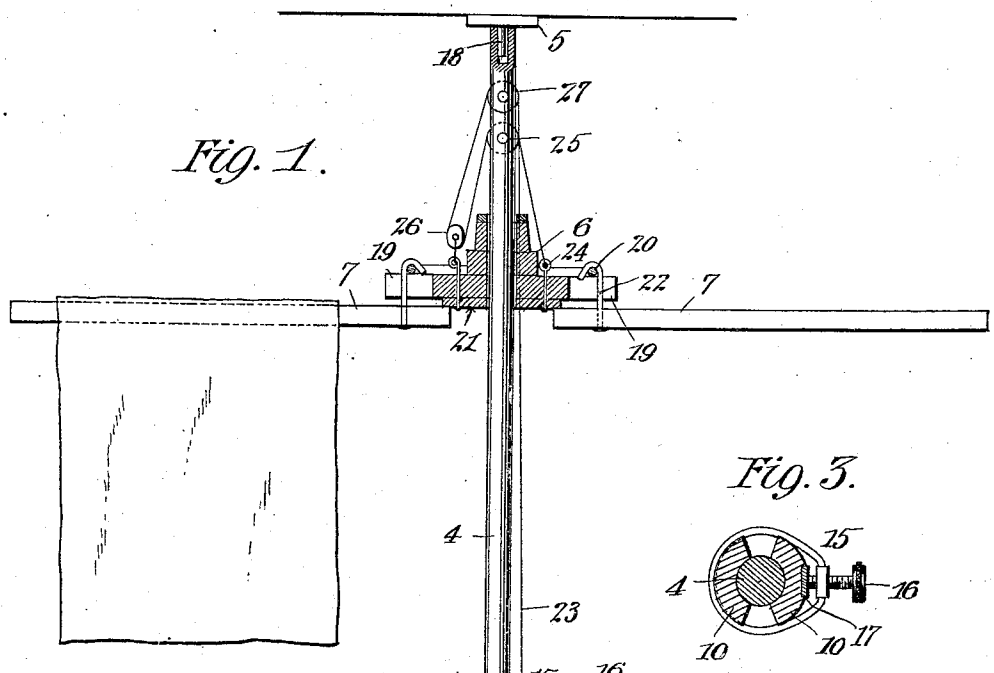


Fig. 3.

Fig. 7.

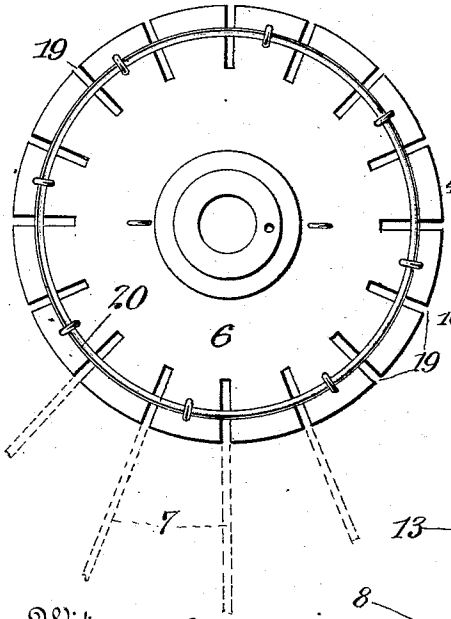
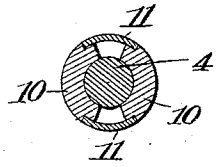


Fig. 4.



Witnesses

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CLOTHES-DRIER.

No. 842,490. Specification of Letters Patent. Patented Jan. 29, 1907.

Application filed August 12, 1905. Serial No. 273,873.

To all whom it may concern:

Be it known that I, ALICE F. POGGI, a citizen of the United States, residing at Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Clothes-Driers; of which the following is a full, clear, and exact description.

My invention relates to clothes-driers, the object of the same being to provide an improved construction of rack and clothes-supporting arm whereby the arms may be readily removed and replaced and will be held in a firm supporting position when in place.

Other objects and advanatges of the invention will hereinafter appear, and that which I regard as new will be set forth in the claims.

In the drawings forming part of this application, Figure 1 is a sectional elevation of a clothes-drier embodying my invention. Fig. 2 is a plan view of the block on which the clothes-supporting arms are hung. Fig. 3 is a cross-section on the line 3 3 of Fig. 1, and Fig. 4 is a similar section on the line 4 4 of Fig. 1.

Like reference-numerals indicate like parts in the different views.

My improved device comprises a base 1, a main support or standard 2, comprising the sections 3 and 4, the head-piece or cap 5 upon the upper end of the section 4, a vertically-adjustable block 6 on the upper section of the standard 2, and a series of removably-mounted radially-extending clothes-supporting arms 7. The base 1 is provided with one or more lateral extensions 8, by means of which it may be firmly held in place, as will be hereinafter described, and with an upwardly-extending screw-threaded stud 9. The section 3 of the standard 2 is hollow, and the section 4 of said standard is adjustably mounted in the section 3. The said section 3 is preferably formed of two or more arc-shaped strips 10, which are held spaced apart at the center and lower ends thereof by the inset blocks 11, so that the upper ends of said strips are capable of being forced inwardly to effect a clamping action on the section 4. The lower end of the section 3 has secured to it a metallic plate 12, preferably in the form of a cup having a central screw-threaded axial opening 13 therein, through which the stud 9 of the base 1 is adapted to extend.

One side of the section 3 is provided with a cleat 14 or other suitable form of cord-securing device, and the upper end of said section is provided with a clamp 15, as clearly shown. This clamp may be of any suitable construction. It has been shown, however, as consisting of a ring or wire which encircles the upper end of the section 3 and a set-screw 16, which is adapted to bear against a wear-plate 17. By tightening up the screw 16 the strips 10, which go to make up the lower section 3 of the standard 2, are forced inwardly into frictional engagement with the upper section 4 of said standard.

The section 4 of the standard 2 is preferably in the form of a cylindrical rod or bar of wood, metal, or other suitable material, and the cap or head-piece 5 is swiveled thereon. In the particular construction shown said cap 5 is provided with a downwardly-extending pin or projection 18, which fits loosely in a corresponding recess in the upper end of said section. This construction provides for the turning movement of the standard 2 without effecting a corresponding turning movement of the cap or head-piece 5.

The hollow section 3 is substantially cylindrical in form throughout its length and is of substantially the same interior diameter as the section 4, which fits within it. By this construction bearing-surfaces between the two sections are provided at more than one point, so that the same are retained in substantial alinement with each other at all times. In other words, the clamp 15 is not alone depended upon to hold the two sections in line with each other.

The block 6 is loosely mounted upon the upper section 4 of the standard 2. The same is somewhat elongated in order to prevent binding action between it and the section 4 when the same is moved up and down thereon. The said block has been shown as made up of separate parts. This, however, is not essential. Near its lower end this block is extended outwardly beyond the hub and provided with a series of radially-arranged slits 19, one slit being provided for each clothes-supporting arm 7 that is to be employed. Secured to the upper surface of the extended portion of the block 6 above the slits 19 therein is a ring 20, of wire or other suitable material, provided for the connection of the arms 7 to said block. The lower side of block 6 is provided with a depending portion 21, forming a shoulder.

The clothes-supporting arms 7 are merely elongated strips of wood or other suitable material. Each of said arms, however, is provided near its inner end with a laterally-extending hook 22, which when the arm is in place is adapted to fit in one of the slits 19 and engage the ring 20, which is adjacent thereto. To apply one of the arms 7 to the block 6, the hook 22 is first introduced into one of the slits 19 and caused to engage the ring 20 in line with said slit. The outer or free end of the arm is then allowed to fall until the inner end of said arm comes into engagement with the depending portion or shoulder 21 of said block. The said arm is then firmly secured in position without danger of accidental removal and will serve to firmly support the clothes which are hung thereon. To remove the arm 7, the reverse of the operation just described will be performed. It will be of course understood that just as many of the arms 7 may be brought into use as may be found desirable. In some instances, when the standard 2 is located, for example, in the corner of a room, it will be necessary to remove altogether those arms which are adjacent to the walls of the room and make use of those arms only which are free from engagement with said walls.

To provide for raising and lowering the block 6 and the clothes-supporting arms carried thereby, I make use of a cord 23, which has one end secured to the block 6 at 24, thence extends around the pulley 25 in the section 4 of the standard 2, thence passes around pulleys 26 and 27 on the block 6 and section 4, respectively, and finally passes down through an opening in the block 6, as shown. The free end of said cord may be fastened in the usual manner to the cleat 14.

It will be understood, of course, that by my construction of drier the same may be made of one size to fit in rooms of varying heights. In applying the device the same is placed at the point in the room where it is desired to be located, with the base 1 resting upon the floor and the main support or standard 2 extending upwardly. The clamp 15 is then loosened and the section 4 of the standard 2 raised until the head-piece or cap 5 is brought into contact with the ceiling. The clamp 15 is then tightened and the parts are held in the positions to which they have been adjusted. It is impossible, however, for the clamp 15, which provides for the coarse vertical adjustment of the standard 2, to effect a firm and rigid clamping action between the floor and ceiling. After the coarse adjustment has been made in the manner stated the base 1 is held against slipping movement on the floor by resting one's foot on the lateral projection 8 thereof, and the standard 2 is rotated. This action, through the screw-threaded stud 9 on the base 1 and the corresponding screw-threaded opening 13 in the cup-shaped plate 12, causes the standard 2 as a whole to be moved upwardly away from the base 1 and the head-piece or cap 5 to be brought into close frictional clamping engagement with the ceiling. When the standard 2 has been turned so that sufficient clamping action has been obtained, the device is held firmly and rigidly in place and is ready for use.

The normal position of the block 6 is with its lower end resting upon and supported by the lower section 3 of the standard 2. When in this position, the arms 7 are at a convenient height to have the clothes to be dried placed thereon; but if allowed to remain in this position the arms 7 and the clothes thereon would be in the way, and there would be constant interference with the clothes by people moving about the room. In order, therefore, to make use of the upper part of the room adjacent to the ceiling, which is ordinarily unoccupied, and to get the clothes up out of the way, the block 6, with the arms 7 thereon, is elevated. This may be effected by merely drawing down on the free end of the cord 23, which action, through the arrangement of the pulleys shown, causes the elevation of said block. When the desired height has been reached, the cord 23 is fastened upon the cleat 14 and the parts held in the position described until it is desired to remove the clothes from the rack. At this time the block 6 and the parts carried thereby may be lowered to their normal positions by merely loosening the cord 23 and permitting said block to slowly fall until it rests upon the upper end of the section 3 of the standard 2.

The arms 7 may be allowed to remain permanently in position upon the block 6, or one or more or even all of the same may be removed, if desired. When removed, they may be placed in a suitable bag or other receptacle designed for them. This feature of removability of the arms 7 is an important one, as it permits the use of the device in any location and provides for the renewal of one or more of the arms in case they may be broken without the necessity of obtaining a full set or of calling in the services of a skilled workman to make the proper connections.

From the foregoing description it will be readily understood that the device as a whole may be closed up into very compact form when it is desired to ship the same or to get it out of the way. The arms 7 may be removed in the manner above stated, and by merely loosening the set-screw 16 of the clamp 15 the upper section 4 of the standard 2 may be slipped down into the lower section 3 of said standard, so as to be almost wholly inclosed thereby. In this condition the device may be set up in a corner or packed for shipment, so as to take up the least possible amount of room.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a clothes-drier, the combination with an upright, of a vertically-adjustable block thereon provided with a series of radial slits extending inwardly from its periphery, a support upon the upper surface of said block between the ends of each of said slits, and clothes-supporting arms each provided with a laterally-extending hook near its inner end adapted to fit within one of said slits and to engage said support, while the inner end of said arm engages the under side of said block.

In witness whereof I subscribe my signature in the presence of two witnesses.

ALICE F. POGGI.

Witnesses:

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