

(No Model.)

R. Z. CURTIS.
CLOTHES DRIER.

No. 491,987.

Patented Feb. 21, 1893.

Fig. 1.

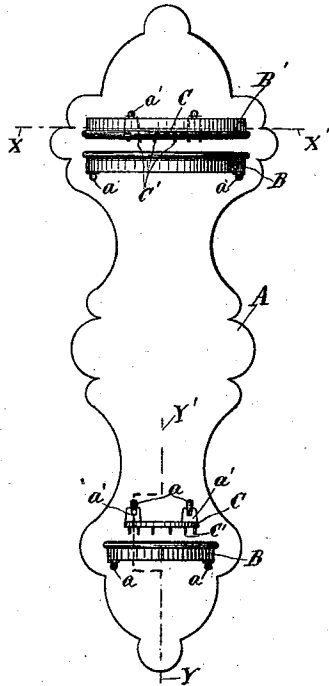


Fig. 2.

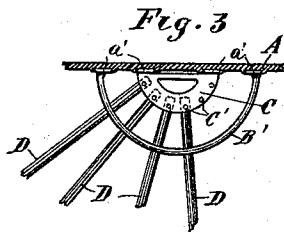
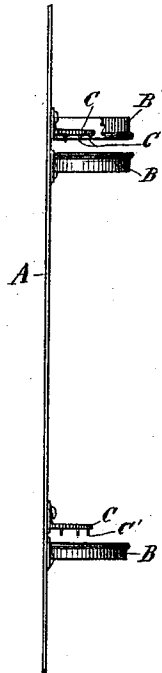


Fig. 4.

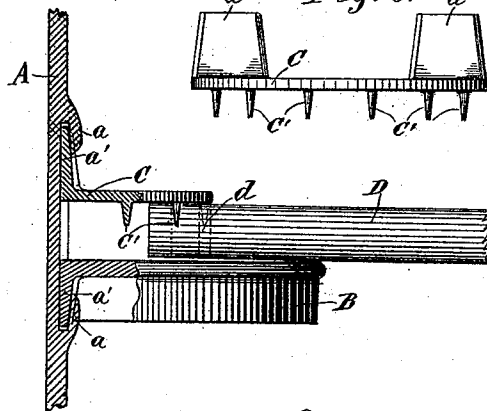
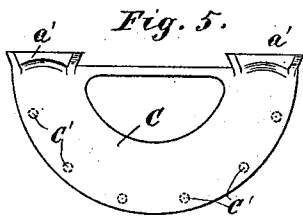
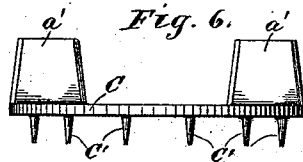


Fig. 6.



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UNITED STATES PATENT OFFICE.

RUBY Z. CURTIS, OF MINNEAPOLIS, MINNESOTA.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 491,987, dated February 21, 1893.

Application filed November 30, 1891. Serial No. 413,481. (No model.)

To all whom it may concern:

Be it known that I, RUBY Z. CURTIS, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Bracket Clothes-Driers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to clothes-driers and is in the form of a bracket clothes-drier adapted to be hung up on the wall or other support.

The invention consists of certain novel devices and combinations of devices, which will be hereinafter fully described and be particularly pointed out in the claim.

In the accompanying drawings like letters referring to like parts throughout, Figure 1 is a front view of the bracket with clothes sticks removed. Fig. 2 is a side elevation of the same. Fig. 3 is a cross section on the line X X' of Fig. 1. Fig. 4 is a section on the line Y Y' of Fig. 1, some parts being shown in full. Fig. 5 is a plan view of one of the segmental supports for the clothes-sticks detached; and Fig. 6 is a front end view of the same.

A is the body of the bracket, preferably made of an ornamental form.

B and C are a pair of co-operating segmental heads or supports for the clothes-sticks and are detachably connected to the body of the bracket. Of these supports or heads, B is the lower and larger, and C the upper and smaller of the two. The body of the bracket is provided with projecting lips or flanges *a* on its front surface, which form with the body of the bracket, wedge shaped seats for receiving corresponding wedge-shaped projections or feet *a'*, on the extremities of the heads B and C. The feet on the upper head C extend upward and those on the lower head B downward; and the lips or flanges *a*, project toward each other. These wedge-shaped seats on the back of the body and wedge shaped feet on the supporting-heads afford means for detachably connecting the heads to the body of the bracket. The wedge-shaped feet of the upper head are driven into their seats, so that the upper head will be held by friction when the clothes-sticks are removed.

The upper head C is provided with downwardly projecting pivot studs C'. D are the clothes-sticks, which are placed in radial arrangement between the two heads and have holes *d* at their inner ends, in which work the pivot studs C' of the support C. Hence, the arms may be adjusted in the arc of a circle to any desired angle with reference to each other. The upper head C is sufficiently less in the diameter of the circle, than the lower head B, to permit the outer end of the arm to be raised upward to give the necessary dip to the inner end of the arms or sticks D, to permit their attachment and removal from their respective pivot studs.

Two sets of the supporting heads and two sets of sticks or radial arms may conveniently be attached to the same bracket. When not in use the sticks may be taken down and the supporting heads removed from the bracket and the whole be packed in small compass for storage or shipment.

An outer segmental clamping band B' surrounds the upper head C. This band is in the same vertical plane as the lower head B and approximately in the same horizontal plane as the tips of the pivot studs C'. It is spaced apart from the lower head B so that the opening between the two will barely pass the inner ends of the sticks under pressure. Hence, the sticks will be held between parts B and B' with sufficient friction to prevent the sticks from closing together under jars or gusts of wind.

It will be readily understood that the clothes sticks D are placed in position, by sliding the same between the supporting heads, and, at the same time, giving the inserted end thereof a downward pitch to engage their pivot-holes *d*, with the depending pivot-studs C'. It should be further noted that the lower supporting head B is cut away inward of its outer and supporting edge (as shown in Fig. 3.), to permit the said clothes sticks to be inserted as set forth.

It should be further noted, that the clothes stick may be given the downward pitch, in placing the same in position between the head B and the clamping band B', in virtue of the fact that said band B' is positioned immediately over the outer margin of the said head B.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

In a clothes drier, the combination with the clothes sticks of a bracket-like body and under and upper supporting heads, secured to said bracket for upholding said sticks, the
5 said supporting heads being secured to said bracket by wedge shaped foot and foot-seat engagements, extending in opposite directions, whereby the heads will be securely held

in position by the weight of the clothes sticks, substantially as described. 10

In testimony whereof I affix my signature in presence of two witnesses.

RUBY Z. CURTIS.

Witnesses:

JAS. F. WILLIAMSON,

EMMA F. ELMORE.