

D. MASTERS.
CLOTHES-DRIER.

No. 172,043.

Patented Jan. 11, 1876.

Fig: 1.

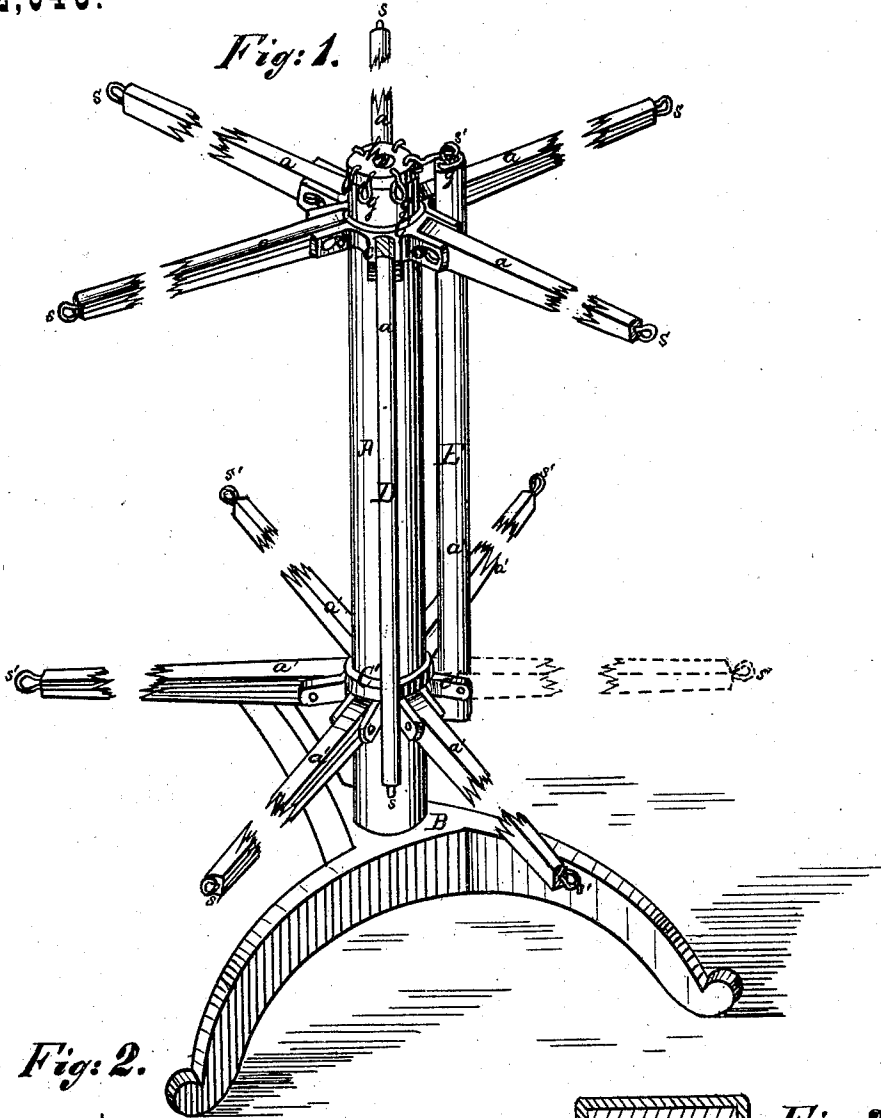


Fig: 2.

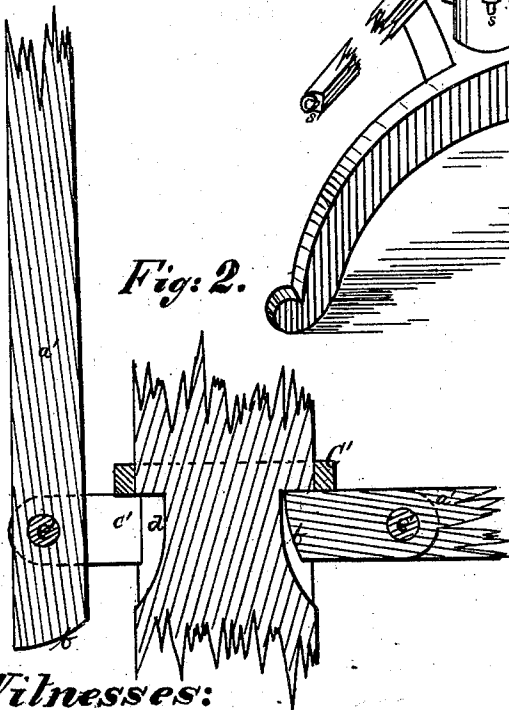
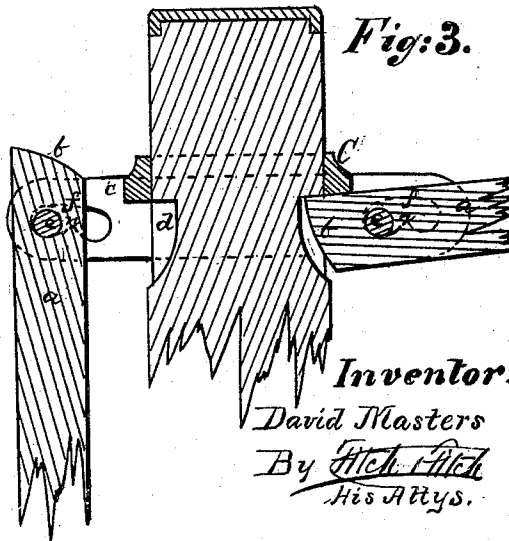


Fig: 3.



Witnesses:
Henry Eichling
C. E. Clarke

Inventor:
David Masters
By H. H. H. H.
His Atty.

UNITED STATES PATENT OFFICE.

DAVID MASTERS, OF PENN STATION, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO ISAAC WEGLEY, OF SAME PLACE.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **172,043**, dated January 11, 1876; application filed October 4, 1875.

To all whom it may concern:

Be it known that I, DAVID MASTERS, of Penn Station, county of Westmoreland, State of Pennsylvania, have invented an Improvement in Clothes-Driers, of which the following is a specification, reference being had to the accompanying drawings, forming part hereof.

My invention consists in the combination, in a clothes-drier having a central post mounted in a standard, of two collar-brackets, fixed one near the top and the other near the base of said post, the said upper collar-bracket being constructed with the peculiar lock-slots hereinafter described, so that the radiating arms carried by said upper bracket may be unlocked and folded down upon the post, while the radiating arms carried by the lower collar-bracket may be folded upward against said post, and held in that position by links attached to a cap fixed on the top of the post, which engage staples set in the ends of said arms.

Figure 1 is a perspective view of a clothes-drier embodying my invention. Fig. 2 is a detail view, partly in section, showing the arrangement and operation of the folding arms mounted in the lower bracket. Fig. 3 is a similar view, showing the arrangement and operation of the folding arms mounted in the upper bracket.

A is the post, mounted centrally in the tripod-standard B. C is a collar-bracket, fixed to the post A near its upper end, and C' is a collar-bracket, fixed to said post near its lower end, as shown. The said upper and lower collars are formed with the radiating brackets c and c', respectively, the upper brackets c being arranged to project immediately between the lines of projection of the lower brackets c'. The said brackets c and c' carry the series or sets of arms a and a', respectively, the said arms being formed with the bevel-curved butt-ends b, and provided, respectively, with the ring-staples s and s', fixed in their outer ends, through which staples a rope or line may be passed. The depressions d are formed in the post, just back of each of the brackets on the collars C and C', and of a breadth and form adapted to read-

ily receive the butt-ends of the arms a and a'. The arms a are hinged to the bracket C by the pins e, fixed transversely in them near their butt-ends, and engaging in the curved lock-slots f formed in each of the short arms of the brackets c. The said lock-slots are formed with the angle or point n projecting upward from the center of the lower wall or edge of the slot, as shown plainly in Fig. 3. The arms a are thus adapted to be extended and radiate from the post, when in use, by being raised up somewhat above a horizontal position and pushed back, when the butt-ends will pass under the collar C and into the depression d in the post, and the pins e will pass over the angles or points n into the inner end of the lock-slots f, and the arms be thus supported and securely locked in an extended position.

When the drier is not in use the arms a may, by raising them up and pulling them forward until the butt-ends escape the collar and the transverse pins pass over the points n into the outer ends of the lock-slots, be allowed to hang folded down around the post, as shown at D, Fig. 1.

The arms a' are hinged to the brackets c' of the lower collar C' by the transverse pins e', set, as shown, near their butt-ends, and are adapted to be extended to radiate from the post below the arms a, and be supported by the butt-ends resting in the depressions d and against the collar C'; or they may be folded up around the post between the arms a, as shown at E, Fig. 1, and held thus folded by means of links or catches g, which are attached to a cap, h, fixed on the top of the post A, and arranged to slip over the staples s' set in the ends of the said arms, as shown in Fig. 1.

I do not intend to claim, broadly, herein a clothes-drier having a central post mounted in a standard, and metal collar-brackets carrying radiating arms, nor to claim any devices for locking said arms in an extended position or retaining them folded about the post, except the specific devices herein particularly shown and described—that is to say:

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the central post A,

with its notches *d*, the collar-bracket C, having the lock-slots *f*, formed with the angle or point *n* projecting upward from their lower edge, the arms *a*, having the curved or beveled ends *b*, and provided with the pins *e*, constructed and arranged to operate as described, and for the purpose specified.

2. The combination, as a clothes-drier, with a central post, A, mounted in a standard, B, and having notches *d*, and a collar-bracket, C, fixed near the top thereof, and provided with lock-notches *f*, formed with angles or points

n, and carrying arms *a* having pins *e*, of the collar-bracket, C', fixed near the base of said post, and carrying the arms *a'*, arranged to fold upward against said post intermediately between the arms *a*, and to be held in that position by the staples *s'*, engaged with the links *g* attached to the cap *h*, as described.

DAVID MASTERS.

Witnesses:

W. H. KLINGANSMITH,
J. P. WILSON.