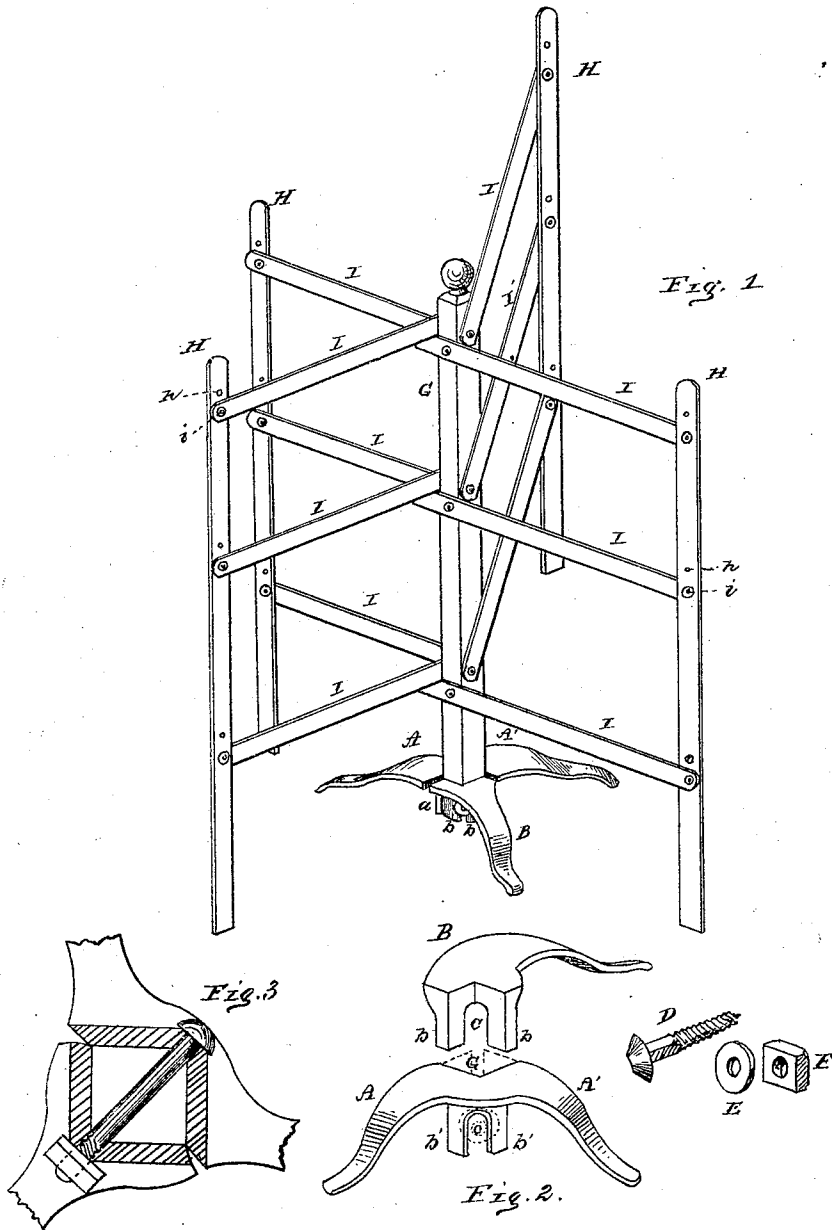


E. F. LANDIS.
Clothes-Driers.

No. 152,497.

Patented June 30, 1874.



WITNESSES.

W. B. Miley
Jacob Stauffer

INVENTOR.

Ezra F. Landis

UNITED STATES PATENT OFFICE.

EZRA F. LANDIS, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **152,497**, dated June 30, 1874; application filed March 23, 1874.

To all whom it may concern:

Be it known that I, EZRA F. LANDIS, of the city of Lancaster, in the State of Pennsylvania, have invented certain Improvements in Clothes-Drying Apparatus and the like, of which the following is a specification:

This invention relates to a certain class of clothes-driers, and has for its object an arrangement in so locking the heels or ends of the slats as to be more firm, and to give them greater capacity by the addition of ropes, but chiefly in supporting the central post by a tripod cast in two parts, to be held by a single bolt diagonally through the post of any upright standard for such or similar use.

The drawing illustrates the central post with the tripod in place, and also the parts composing said tripod, so that a brief explanation will enable any one skilled in the art to make and use the same.

Figure 1 is a perspective view of a clothes-drying arrangement with my improvements in place, one of the four wings partially drawn up on its pivot-bearings. Fig. 2 shows the two castings forming the tripod, together with the bolt, nut, and washer. Fig. 3 is an enlarged diagram to show the relative thickness or mode of combining the post and tripod.

Fig. 1 illustrates the combined drying-slats $I\ I'\ I''$, parallel to each other, the ends secured, by pivot-bolts and washers i , to a central post, G , at the inner end, and the outer to an upright slat, H , one set to each side of the central post, forming four wings, which will fold up vertically against the central post, so as to occupy but little space. I am aware that this is a common feature in folding slats, only that in order to give them greater firmness I cause the ends of one set of slats adjoining the central post to come under those over them, or at right angles thereto, so as to brace them, and give them a more firm position when spread out horizontally. I also double the capacity of this drier by perforating each outer support

H over each slat at h , for a cord or rope, thus encircling the four wings and utilizing the spaces between the outer supports H .

I have a tripod of cast-iron made in two parts, (shown by Fig. 2,) the one piece provided with two legs, $A\ A'$, the other with one, B , so that when the two parts are set in place the legs radiate from the center at angles of one hundred and twenty degrees, or so that the points of contact on the floor are equidistant, each having a right-angled upper face in contact with the post, and flanges extending down on two sides, marked $b\ b'$. The corners formed by said flanges have an open slot, c , for a headed bolt, D , which bolt is inserted through the post diagonally from one corner through the other, the head resting against the slot on one side, and secured by a nut, F , and washer E on the other. There is an open space left between the abutting flanges to allow of drawing them together should the wood shrink or become loose in time. This foot gives greater firmness to the drier without increase of weight or expense, and is deemed in itself a valuable improvement.

By extending the heels of the slats so as to come under the next in order, they aid in bracing, and by means of the perforations, and the application of a cord or cords, the capacity of drying-surface will be doubled.

What I claim as my invention is—

1. The combination, with the central post G of a clothes-drier, of the metallic tripod $A\ A'\ B$, provided with the flanges $b\ b'$ and slot c , as and for the purpose herein mentioned.

2. In combination with the post G in a clothes-drier, the uprights H and the elongation of the inner ends of the slats I , to support each other, in the manner and for the purpose specified.

EZRA F. LANDIS.

Witnesses:

W. B. WILEY,
JACOB STAUFFER.