

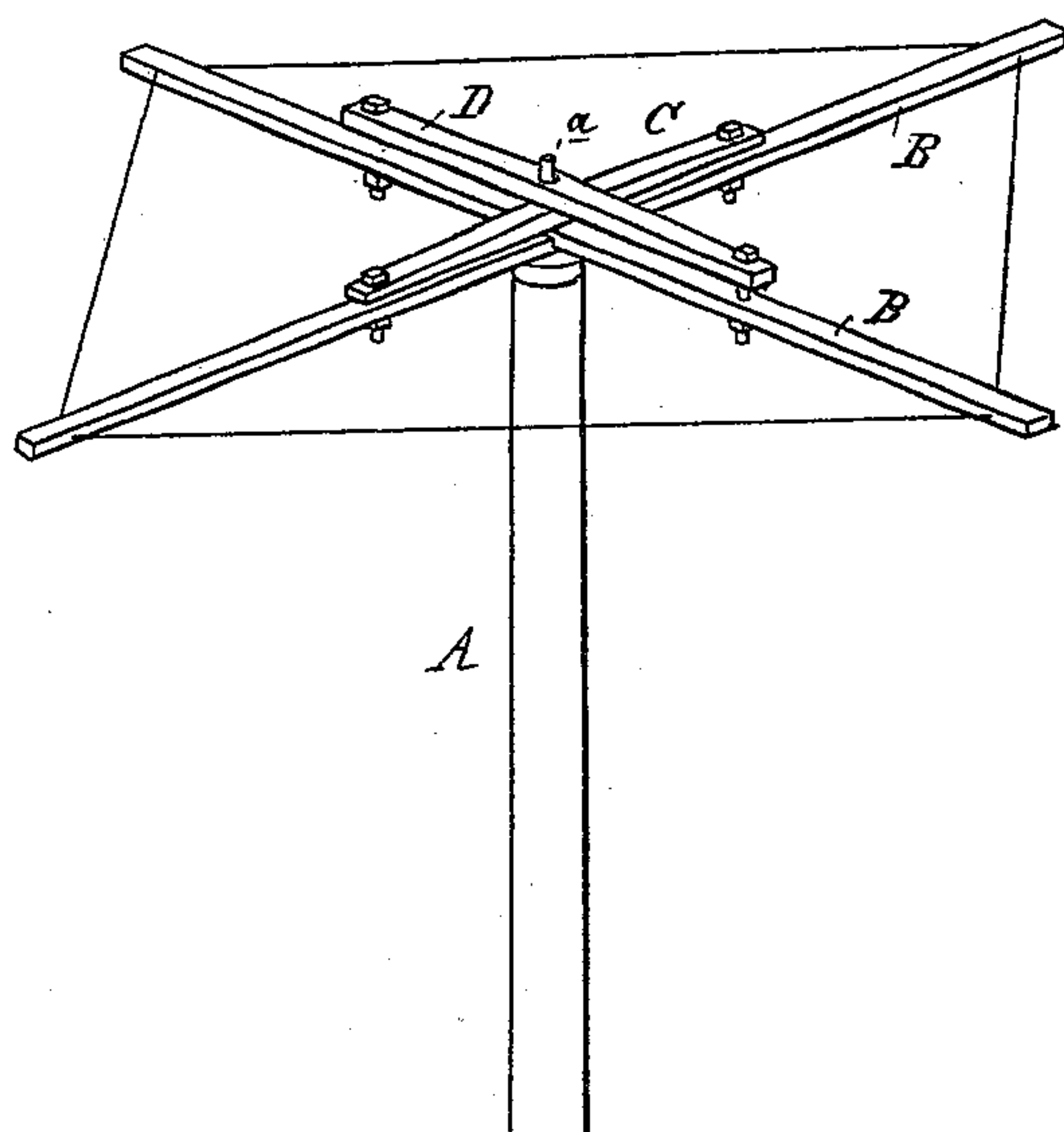
(No Model.)

T. ALDERDYCE.

CLOTHES REEL.

No. 271,675.

Patented Feb. 6, 1883.



Attest:

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Inventor:

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UNITED STATES PATENT OFFICE.

THOMAS ALDERDYCE, OF CAMBRIDGE, MICHIGAN.

CLOTHES-REEL.

SPECIFICATION forming part of Letters Patent No. 271,675, dated February 6, 1883.

Application filed December 8, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS ALDERDYCE, of Cambridge, in the county of Lenawee and State of Michigan, have invented new and useful Improvements in Clothes-Reels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which forms a part of this specification.

10 The nature of this invention relates to certain new and useful improvements in the construction of clothes-reels, by means of which a more firm bearing is obtained upon the pintle and the liability of the reel to sag upon one
15 side or the other from use and more weight upon one side than the other, is avoided.

The invention consists in the peculiar combination of parts, as more fully hereinafter described.

20 In the accompanying drawing my invention is shown in perspective, and A represents the post, which is to be set in the ground to a proper depth to give it firmness, and the top of this post is provided with a pintle, *a*. Instead
25 of, as has heretofore been the practice, employing a casting within a central socket-hole to fit over such pintle, and with radial sockets to receive the arms of the reel to which the ropes or wires are attached, and wherein
30 the vertical bearing upon the pintle is short and very liable to wear out of true, I employ two arms, B, of equal lengths, and with a hole bored through each midway between their
35 pintle, the one arm across and on top of the other and at right angles each to the other. Suppose these arms to be sixteen feet in length from end to end, which gives an eight-foot arm from center to end. In that case I use the
40 overhead-brace C, with a central hole to slip over the pintle at right angles to the upper arm, and the two ends of this brace are secured by means of bolts to the lower arm. A similar brace, D, is secured to the upper arm
45 in like manner, the brace lying above the brace of the lower arm. The bolts by means of which these overhead-braces are secured to their respective arms are provided with nuts, by means of which any deflection upon either
50 end of the arms may be counteracted by turning up the nut, and the construction is such as to require a much longer pintle than is required in the clothes-reel as ordinarily made, so that having the four bearings through the
55 four distinct and separate pieces gives it such

a length of bearing as to counteract very largely the wear occasioned by the revolution and the tendency to sag by overweighting one side of the device.

If it is preferred, the under side of the arms 60 may be half-trussed, or underbrace the outer ends of the braces, extending to and being connected to the under side of the arms by means of the same bolts which secure the braces; or various other ways may be adopted 65 for accomplishing this purpose, if desired, without departing from the spirit of my invention as above described. If preferred, also, the length of the bearing upon the pintle may be increased by the interposition of a collar or collars around said pintle between the parts, with the cap over the top of the pintle secured to the arms by means of a hook or rod. These features, however, I do not consider essential, as the device which I have 75 above described will under all ordinary circumstances fully answer the purposes for which such clothes-reels are employed.

It will be observed that the device is simple, cheap, and easy of construction; that its 80 arms, while arranged horizontally, may be made longer than in ordinary constructions, owing to the auxiliary arms or overhead-braces; that the extended bearing upon the post-pin gives firmness and prevents wearing, 85 and that slack or play in the parts may be readily taken up.

I am aware of Patent No. 159,823, which shows a reel constructed to be elevated and lowered, and Patents Nos. 142,631, 165,674, 90 and 8,139; but in all these cases the arms are not horizontal, nor is there any provision for taking up slack, and such constructions as shown in those patents are not sought to be covered in this application. 95

What I claim as my invention is—

The clothes-drier herein described, consisting of the post A, having a pintle, *a*, the horizontal arms B, jointed to each other at their centers, and the overhead-braces D, crossing 100 each other at right angles, and arranged to leave a space between their ends and the arms B, and the bolts C and nuts, all combined, arranged, and adapted to serve as and for the purposes set forth.

THOMAS ALDERDYCE.

Witnesses:

H. S. SPRAGUE,
E. J. SCULLY.