

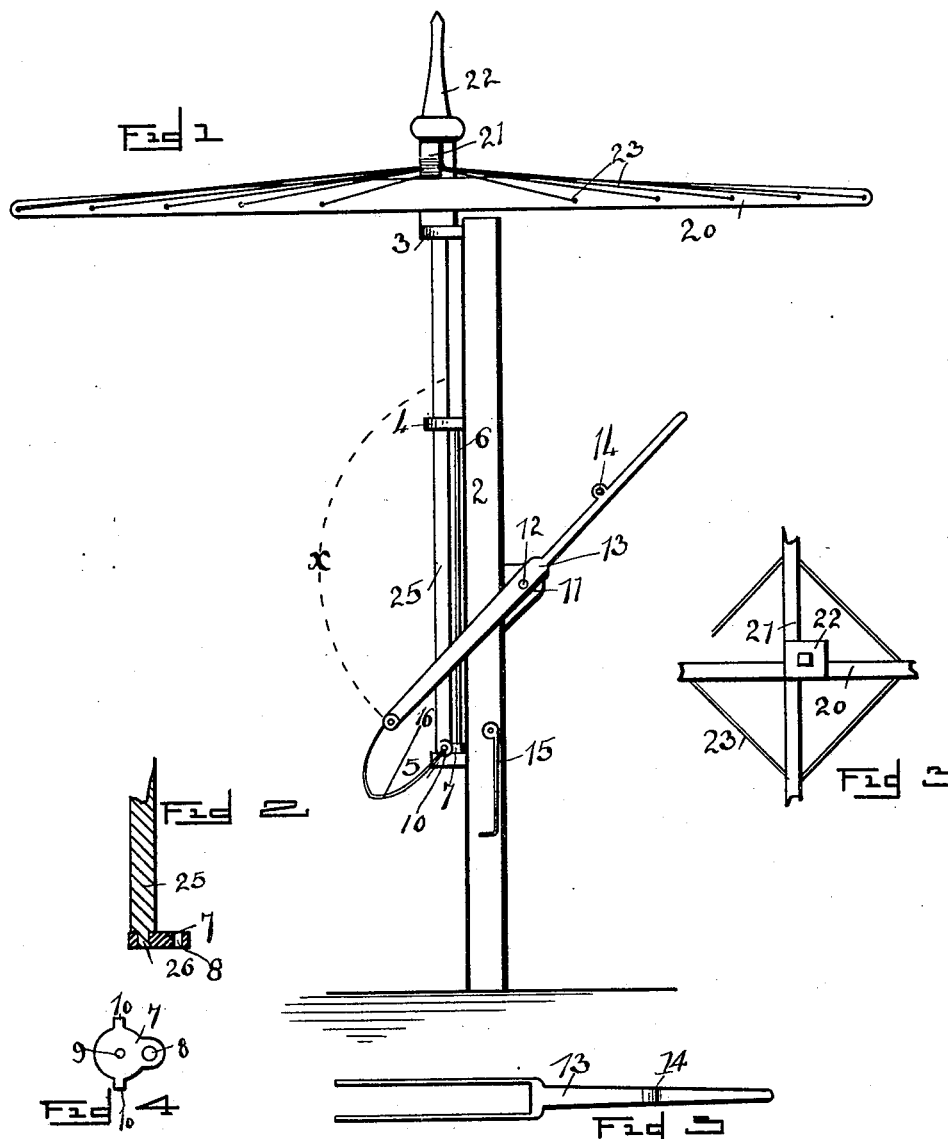
No. 676,503.

Patented June 18, 1901.

T. A. JOHNSTON.
CLOTHES DRIER.

(Application filed Jan. 13, 1899.)

(No Model.)



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UNITED STATES PATENT OFFICE.

THOMAS A. JOHNSTON, OF CHADRON, NEBRASKA.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 676,503, dated June 18, 1901.

Application filed January 13, 1899. Serial No. 702,076. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. JOHNSTON, residing at Chadron, in the county of Dawes and State of Nebraska, have invented certain useful Improvements in Clothes-Driers; and I do hereby declare that the following is 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, reference being had to the accompanying drawings, which form a part of this specification.

This invention has relation to a new and novel improvement in clothes-driers.

The object of my invention is to provide a clothes-drier which shall be simple of construction and be so arranged that the reel will be positioned near the ground in one position and in its extreme upper position be a considerable distance above the ground, so that the clothes can be readily secured to the line and afterward raised to swing in the air in drying.

In the accompanying drawings I have shown in Figure 1 a side elevation of my clothes-drier. Fig. 2 shows a broken sectional view disclosing the shaft within the supporting-shoe. Fig. 3 shows a broken top view disclosing the method of securing the cross-trees to the tree-head. Fig. 4 shows a top view of the supporting-shoe, while Fig. 5 shows a top view of the operating-handle.

My invention embodies, essentially, a suitable support, to which is vertically adjustably secured a shaft, to which shaft is attached the reel.

In the accompanying drawings, 2 represents a suitable post, which near the top, upon one side, is provided with a bracket 3, near the bottom with the bracket 5, and intermediately with the bracket 4. These brackets 3 and 4 are each provided with an opening, through which passes the shaft 25, while the bracket 5 is solid, adapted to support the lower end of this shaft 25 when said shaft is in its lowest position. This shaft 25 is revolvably adjustably held within the brackets 3 and 4 and above is provided with the cross-trees 20 and 21, united by means of the head 22, which head is suitably secured to

this shaft 25. Passing through suitable openings within these cross-trees 20 and 21 are the clothes-supporting ropes or lines 23, arranged as usual in devices of this class. Extending from the bracket 4 and secured to the bracket 5 by any suitable means is an ordinary bar 6, preferably round, and upon this bar is slidably held the shoe 7, provided with an opening 8 and the central opening 9, as is shown in Fig. 4, the opening 9 being adapted to receive the lower end 26 of the shaft 25, as is shown in Fig. 2. This shoe 7 is further provided with the two outwardly-extending ears 10 10, as is shown again in Fig. 4, so that this shoe revolvably supports the shaft 25 and may slide upon the bar 6. Extending from the ears 10 10 are suitable ropes or lines 16, which ropes or lines are secured to the ends of an ordinary lever 13, which lever by means of a pin 12 is secured to an ordinary bracket 11 on the post 2. Now in depressing the lever 13 at the operating end this lever, which for convenience is bifurcated, as is shown in Fig. 5, will raise the shaft 25, so that the reel is carried upward a suitable distance to properly elevate the clothes. To hook this lever 13 in position, the hook 15 is carried into the ear 14, so that the reel may be held in its extreme upper position.

Now, having thus described my said invention, what I claim as new, and desire to secure by United States Letters Patent, is—

In a clothes-drier of the character described, the combination with a suitable support, of two brackets near the upper end secured to said support, of a vertical shaft sliding within said brackets, cross-trees secured to said shaft at the upper end thereof, supporting ropes or lines passing over said cross-trees, a guide-rod positioned adjacent said support, a shoe supporting said shaft and provided with a perforated ear working on said guide-rod, a lever pivotally secured to said support, a rope extending from said lever and secured to said shoe, and means to lock said lever.

THOMAS A. JOHNSTON.

In presence of—

JOHN H. WHITE,
W. J. JOHNSTON.