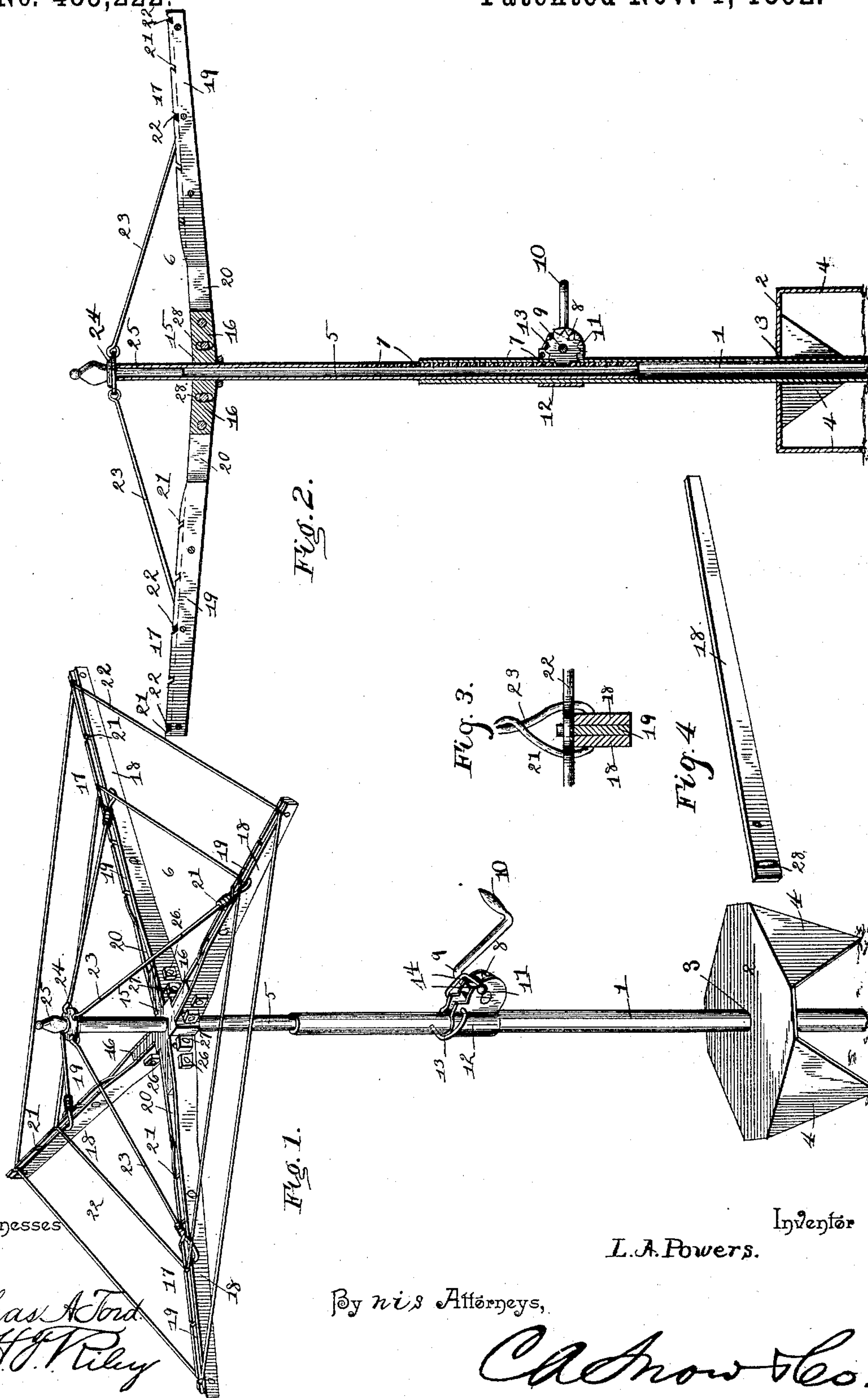


(No Model.)

L. A. POWERS.
CLOTHES DRIER.

No. 485,222.

Patented Nov. 1, 1892.



Witnesses

Chas. A. Ford
H. J. Riley

By his Attorneys,

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Inventor

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UNITED STATES PATENT OFFICE.

LYMAN A. POWERS, OF FENNIMORE, WISCONSIN.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 485,222, dated November 1, 1892.

Application filed December 3, 1891. Serial No. 413,865. (No model.)

To all whom it may concern:

Be it known that I, LYMAN A. POWERS, a citizen of the United States, residing at Fennimore, in the county of Grant and State of Wisconsin, have invented a new and useful Clothes-Reel, of which the following is a specification.

The invention relates to improvements in clothes-reels.

10 The object of the present invention is to simplify and improve the construction of clothes-reels and to increase their strength, durability, and efficiency.

15 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

20 In the drawings, Figure 1 is a perspective view of a clothes-reel constructed in accordance with this invention. Fig. 2 is a vertical sectional view. Fig. 3 is a detail sectional view. Fig. 4 is a detail perspective view of one of the side plates.

25 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a tubular standard designed to be driven in the ground and supported by an anchor-plate 2, which is provided with a central opening 3 to receive the standard and has at its sides integral depending triangular flanges 4, designed to be driven into the ground, so that the anchor-plates 2 will rest flat upon the surface, whereby the standard will be supported and held steady in an upright position. The standard 1 is adapted for and receives a tubular rod 5, which is vertically adjustable and carries a reel 6 and is provided with a series of openings 7, arranged to be engaged by a pinion 8, whereby the tubular rod 5 is readily raised and lowered to bring the reel within easy reach and to elevate the same out of the way after clothes have been hung on the wires thereof. A pinion 8 is mounted on an extension 9 of a crank-handle 10, journaled in perforated ends 11 of a band 12, which surrounds the standard and is secured to the same. The rod is held in its adjustment by a gravity-pawl 13, having one end weighted and arranged to engage the teeth of

the pinion and its other end extended to form a handle. The pawl is pivoted intermediate its ends on the band, and the perforated ends of the latter are provided with notches 14 to enable the pawl to engage the teeth of the pinion.

The reel is rotatively mounted on the rod 5 and is composed of a hub 15, provided with radial extensions 16, arranged at right angles, and arms 17, composed of thin side bars 18, and an intermediate strengthening-bar 19, arranged between the side bars and secured to the same to prevent lateral swinging. The inner ends of the side bars are secured to the extensions 16, and the intermediate bars 19 extend inward within a short distance from the extensions 16 to provide openings 20 and project above the upper edges of the side bars and are provided with recesses 21, which are inwardly inclined and receive the clothes-line wires 22. The arms 17 are supported and prevented from sagging by bracing-wires 23, having their lower ends secured to the arms and their upper ends attached to a flange 24 of a plug or pin 25, loosely fitted in the upper end of the tubular rod and removable therefrom and provided with an ornamental head.

It will be seen that the device as a clothes reel and drier is simple, inexpensive, and efficient.

The device is adapted, besides serving as a drier, to form a frame for a tent for camping, lawn use, and kindred purposes, and will then be covered with canvas. The openings 20 of the arms 17 will be found convenient in securing a canvas tent to the arms. The side bars 18 are secured to the hub 15 by bolts 26 and 27, the former of which serves as a pivot and the latter being arranged in a transverse opening 28, whereby the arms 17 may be adjusted and the latter are secured in their adjustment by the nuts of the bolts 27.

What I claim is—

1. The combination of a tubular standard, a rod arranged within the standard, a reel carried by the rod and composed of a hub having extensions, arms consisting of side bars secured to the extensions, and intermediate bars arranged between the side bars and projecting beyond the upper edges of the same and provided with recesses, and the

clothes-line wires arranged in the recesses, and supporting-wires connected to the upper end of the rod, substantially as described.

2. In a clothes-reel, the combination of a
5 standard, a hub having horizontal extensions, arms each consisting of a pair of side bars pivoted on opposite sides of an extension and provided with a vertical slot and being capable of adjustment on its pivot, and bolts passing
10 through the extensions and arranged in

the vertical slots and securing the arms in their adjustment, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

LYMAN A. POWERS.

Witnesses:

FRANK ROUCH,
JOHN J. SCANLAN.