

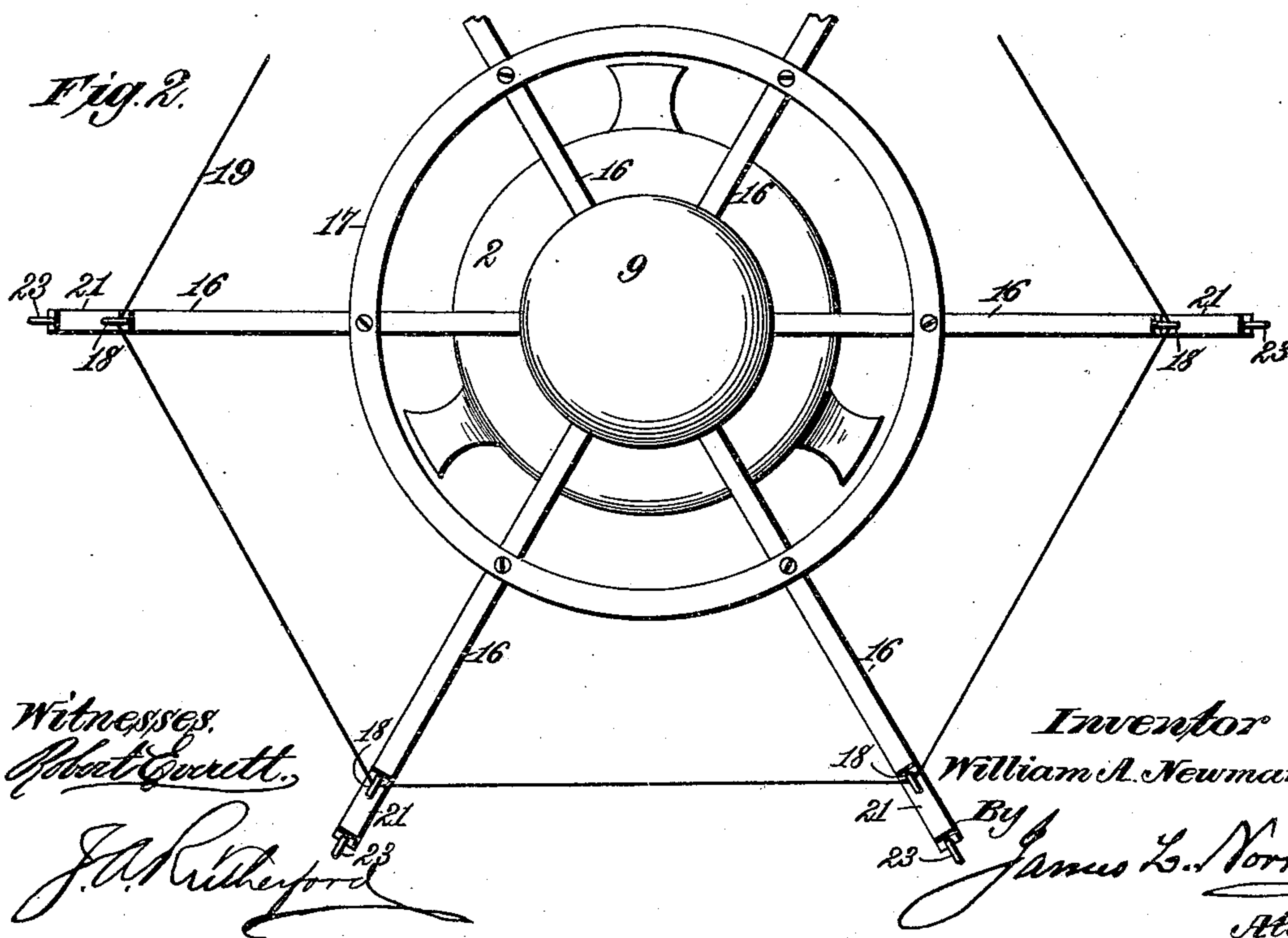
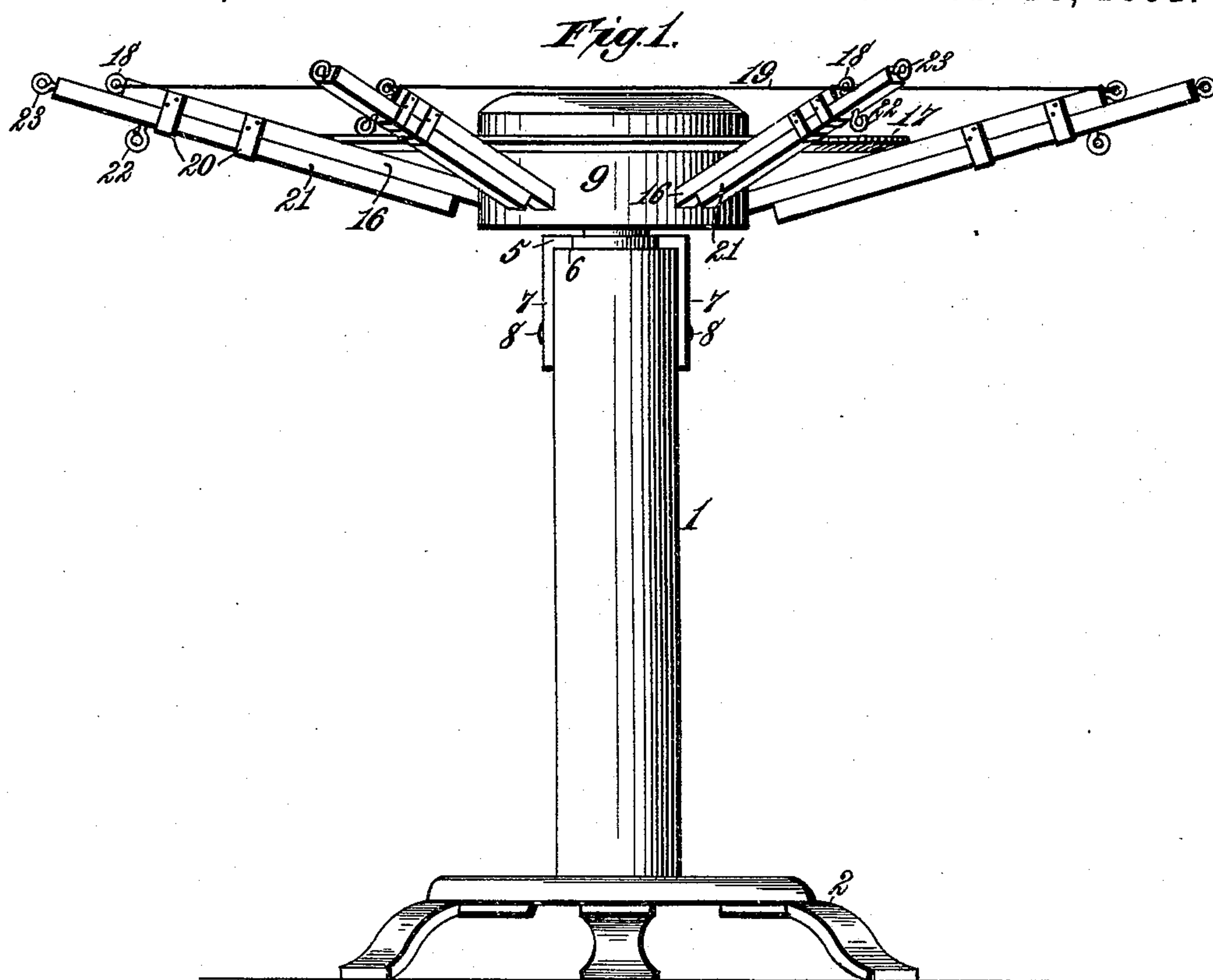
(No Model.)

2 Sheets—Sheet 1.

W. A. NEWMAN.
CLOTHES DRIER.

No. 446,362.

Patented Feb. 10, 1891.



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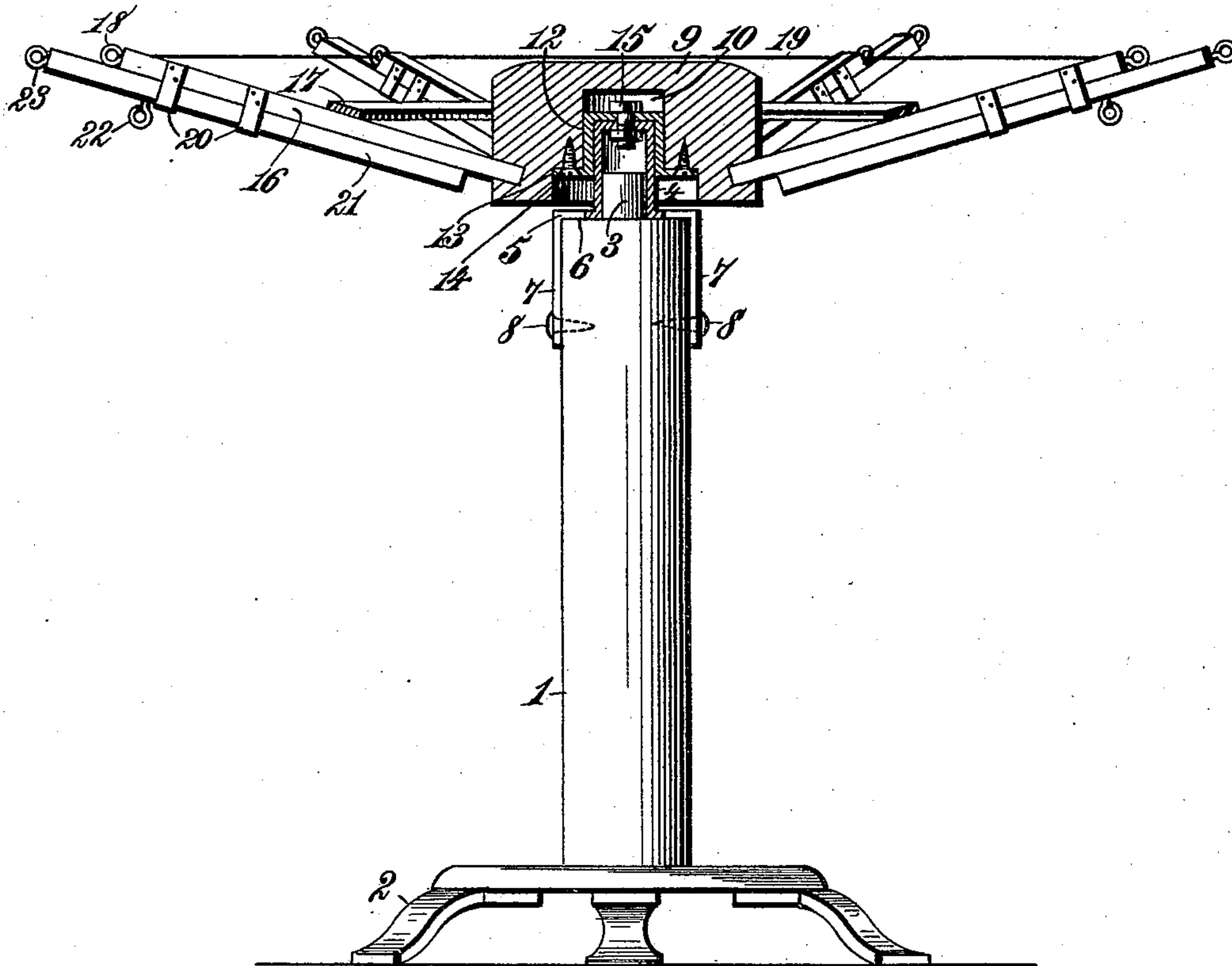
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CLOTHES DRIER.

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Fig. 3.



Witnesses:
Robert Garrett,

J. A. Rutherford

Inventor:

William A. Newman,

By *James L. Norris,*
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM A. NEWMAN, OF BLUE CREEK, OHIO.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 446,362, dated February 10, 1891.

Application filed November 13, 1890, Serial No. 371,325. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. NEWMAN, a citizen of the United States, residing at Blue Creek, in the county of Adams and State of Ohio, have invented new and useful Improvements in Clothes-Driers, of which the following is a specification.

This invention has for its object to provide a novel, simple, efficient, and economical rotary clothes-drier, which can be arranged on a standard or post resting on the floor, or be supported by a wall to rotate in a vertical plane, or be inverted and suspended from the ceiling; and to accomplish this object my invention involves the features of construction and the combination or arrangement of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation showing my improved clothes-drier on a standard or support which rests on the floor. Fig 2 is a top plan view of the same. Fig. 3 is a vertical central sectional view showing the standard or support in side elevation.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a standard or support suitably constructed, with a base-piece having legs 2 to rest on the floor. The upper end of the standard or support is provided with a cylindrical tenon 3 fitting into a hollow cylindrical boxing 4 of metal, which constitutes a journal, on which the head of the drier can freely rotate. The cylindrical boxing is shouldered, as at 5, to bear against a corresponding shoulder 6 on the standard or support, and the boxing is provided with two or more depending arms 7, which are secured by screws, nails, or similar fastenings 8 to the standard or support below its shoulder 6, thereby rigidly securing the boxing 4 in proper position. The hub 9 of the rotary drier-head is recessed or chambered, as at 10, into which is fitted a hollow cylindrical boxing 12 of metal, having at its lower end a lateral flange 13, secured by screws or nails 14, or otherwise, to the lower end portion of such boxing, as in Fig. 3. The top end of the

lower boxing 4 and the top end of the upper boxing 5 are provided with coinciding central orifices, through which extends a pivot-bolt 15, which permanently connects the two boxings to prevent the separation of one from the other while permitting the upper boxing, with the hub, to freely rotate on the lower boxing. The hub 9 is preferably circular, and is provided with a series of mortises, into which are tightly fitted the inner extremities of a series of radiating arms 16, which incline upwardly from the mortises and are all rigidly attached to a metallic ring 17, which serves as a brace to sustain the arms against lateral and downward strains when in use. The outer extremities of the radiating arms are provided with hooks or eyes 18, through which is run a clothes-line 19 for hanging clothes, and on each arm is rigidly secured a pair of pendent loops 20, in which slides an extensible arm-section 21, provided on its under side with pendent hooks 22 for hanging any articles desired. The outer extremities of the sliding arm-sections are also provided with hooks 23 for hanging articles or for the attachment of a line similar to the clothes-line 19.

The upward inclination of the radiating arms 16, in connection with the metallic ring 17, prevents lateral displacement and sagging of the arms, and provides a strong, durable, and efficient construction in a rotary drier-head.

I have illustrated the drier-head as mounted on the upper end of a vertical standard or support sustained by legs, but obviously the standard or support can be otherwise arranged and sustained without departing from the spirit of my invention.

The apparatus is particularly designed for hanging and drying clothes; but obviously it can be used for displaying goods and like purposes.

The extensible radiating arms permit the drier-head to be enlarged for increasing its capacity when it is desired to employ the drier in the open air for drying clothes in the sun.

When the arm-sections 21 are slid outward and articles are suspended therefrom, the weight of such articles tends to depress the

outer ends of the arm-sections, and thereby so binds the latter in the loops 20 as to retain them in their extended position, for which reason I do not regard it essential to provide
 5 other means for holding the arm-sections extended.

By connecting the upper ends of the two boxings at their centers through the medium of a pivot-bolt to prevent their separation, it
 10 will be obvious that the drier-head can be inverted, suspended, and practicably used in this position, as when hung from a ceiling.

Having thus described my invention, what I claim is—

15 1. A clothes-drier consisting of a support having a tenon, a rotary mortised hub arranged on the tenon and provided with radiating arms rigidly fixed in the mortises and inclining upwardly from the hub, and provided
 20 with attached loops and hooks or eyes at their outer ends supporting a surrounding clothes-line, a metallic ring rigidly secured to the upwardly-inclined arms at a point remote from the hub and serving to brace the
 25 arms against lateral and downward strains, and sliding arm-sections provided with hooks and sliding in the loops of the said radiating arms, substantially as described.

2. A clothes-drier consisting of a support

having a tenon, a cylindrical boxing fitting 30 the tenon and rigidly secured to the support, a rotary hub provided with radiating arms, a hollow boxing rigidly secured in the hub and setting over the cylindrical boxing on the support, and a pivot-bolt connecting the centers 35 of the upper ends of the two boxings to prevent their separation one from the other while permitting the hub to freely rotate, substantially as described.

3. A clothes-drier consisting of a support 40 having a tenon, a shouldered cylindrical boxing fitting the tenon and having depending arms rigidly secured to the support, a rotary hub provided with radiating arms, a hollow boxing arranged in the hub setting over the 45 boxing on the tenon and having a lateral flange rigidly attached to the hub, and a pivot-bolt permanently connecting the centers of the two boxings at their upper ends to prevent their separation while permitting the hub to 50 freely rotate, substantially as described.

In testimony whereof I have hereunto set my hand and affixed my seal in presence of two subscribing witnesses.

WILLIAM A. NEWMAN. [L. S.]

Witnesses:

N. P. GRAHAM,
 GEORGE POTTS.