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G. R. CARR.

DRYING RACK.

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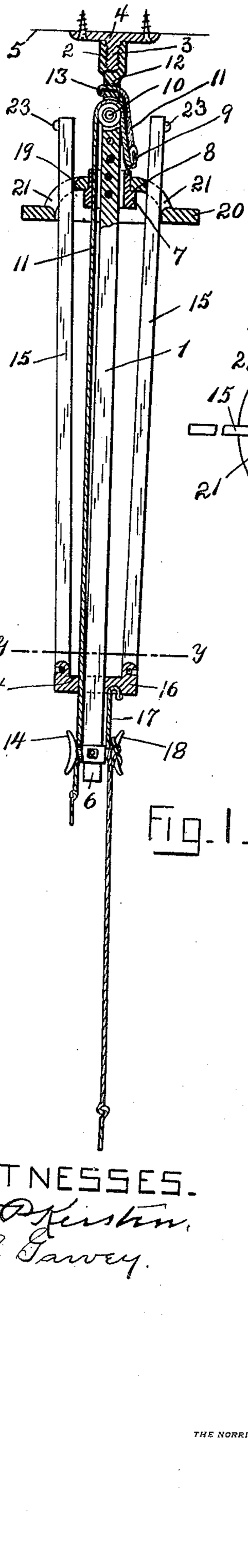

Fig. 1.

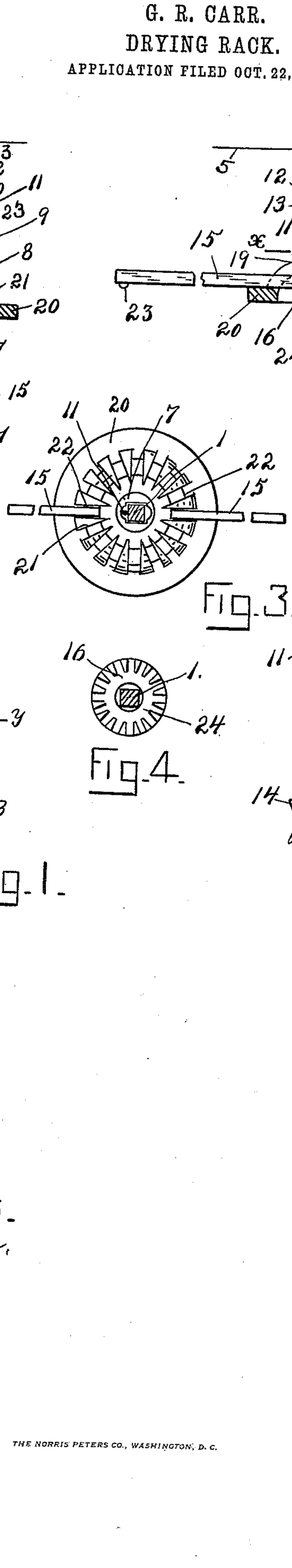

Fig. 4.

Fig. 3.

Fig. 2.

WITNESSES.

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DRYING-RACK.

No. 828,596. Specification of Letters Patent. Patented Aug. 14, 1906.

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To all whom it may concern:

Be it known that I, GEORGE R. CARR, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Drying-Racks; and I do hereby declare the following to be 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, and to figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in drying-racks, and more particularly to that class which are adapted to be suspended from the ceiling and which involve a series of collapsible radial carrying-arms.

The object of my invention is to provide a construction which is readily attachable to or detachable from the ceiling and while being easily within reach yet offers no obstruction in passing.

Another object is to provide for simultaneously throwing the radial carrying-arms into operative position, as well as a simultaneous collapsing of the same.

To these ends my invention consists of certain details of construction, all of which will be fully hereinafter described and claimed.

In the drawings, Figure 1 is a side elevation, partly in section, of my improved drying-rack, showing the carrying-arms collapsed. Fig. 2 is a similar view with the carrying-arms in operative and raised position. Fig. 3 is a horizontal section taken in the line *x x* of Fig. 2, and Fig. 4 is a horizontal section taken in the line *y y* of Fig. 1.

Referring to the drawings, 1 is the carrying-rod, preferably square in cross-section, having at its upper end the socket, with female screw 2 adapted for removable holding engagement with the male screw 3 of the plate 4, secured to the ceiling 5 of a room. I propose to make my carrying-rod of such a length that its lower free end 6 will be within easy reach and at the same time will not extend down far enough to be an obstruction to any one in passing.

7 is a collar in loose sliding engagement with the carrying-rod 1. This collar is provided with the annular shoulder 8. To this collar 7 is secured the pulley 9, and in the upper end of the carrying-rod 1 is journaled the pulley 10. The cord 11 is passed through the aperture 12, the knot 13 holding it from slipping through. The cord 11 is then passed down around the pulley 9 on the collar 7, then up and over the pulley 10 in the carrying-rod, and then down through the collar 7 to the cleat 14 on the lower free end 6 of rod 1.

A series of radial carrying-arms 15 are hinged to the annular ring 16, which loosely surrounds the carrying-rod 1, and 17 is a cord attached to the under side of the ring for tying engagement to the cleat 18 on the rod 1.

The means which I employ for simultaneously throwing the radial carrying-arms 15 into operative position and for collapsing the same is constructed and operates as follows: 19 is a ring adapted to encircle the collar 7 and rest revolubly upon its annular shoulder 8, as clearly shown in Figs. 1 and 2. Another ring 20 of larger diameter than the ring 19 is carried thereon in a lower plane by the integral spaced arms 21, having the openings 22 between the same. (See Fig. 3.) One of the radial carrying-arms 15 extends up slidably through each of the openings 22, and bosses 23 on the arms prevent their free ends from passing out of engagement with such openings 22.

My improved drying-rack in the position shown in Fig. 1, has been attached to the ceiling. To simultaneously throw out the carrying-arms 15 into operative position, as shown in Fig. 2, the cord 11 is detached from the cleat 14 and the collar 7, carrying the rings 19 20, is allowed to drop until the collar 7 rests upon the annular shoulder 24 in the ring 16. As the rings 19 20 descend the radial carrying-arms 15, riding in the openings 22, are thrown out into their horizontal positions, (see Fig. 2,) resting upon the ring 20 and ready for the hanging reception of the clothes or any article to be dried. The parts thus assembled are then raised in proximity to the ceiling and held in such position by securing the cord 11 to its cleat 14, as in Fig. 2. To collapse the radial carrying-arms 15, the device is lowered and the ring 16 is held down by fastening the cord 17 to its cleat 18. Then by raising the rings 19 20 by means of cord 11 the radial carrying-arms are simultaneously drawn into their collapsed position, as shown in Fig. 1, and the rack is ready for disengagement from the ceiling.

I claim—

1. In a drying-rack, a carrying-rod in removable engagement with the ceiling, its lower end being free and raised above the

floor, in combination with a series of collapsible radial carrying-arms, vertically-adjustable on the carrying-rod and means for both simultaneously throwing the radial carrying-arms into operative position and collapsing the same.

2. In a drying-rack, the carrying-rod 1 in removable engagement with the ceiling, its lower end 6 being free, in combination with the ring 16 encircling the carrying-rod, radial carrying-arms 15 hinged to the ring 16, a shouldered collar 7 encircling the carrying-rod and vertically adjustable upon such rod by means of cord 11 and pulleys 9 and 10, a ring 8 revolubly resting upon the shouldered collar 7, a second ring 20 of larger diameter than the first ring and carried thereon, in a lower plane, by integral spaced arms 21 having openings 22 between the same adapted for the sliding reception of the radial carrying-arms, for simultaneously throwing the carrying-arms into operative position and collapsing the same.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE R. CARR.

Witnesses:

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