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B. D. CRUIKSHANK

2,647,643

PORTABLE RACK

Filed April 15, 1952

2 Sheets-Sheet 1

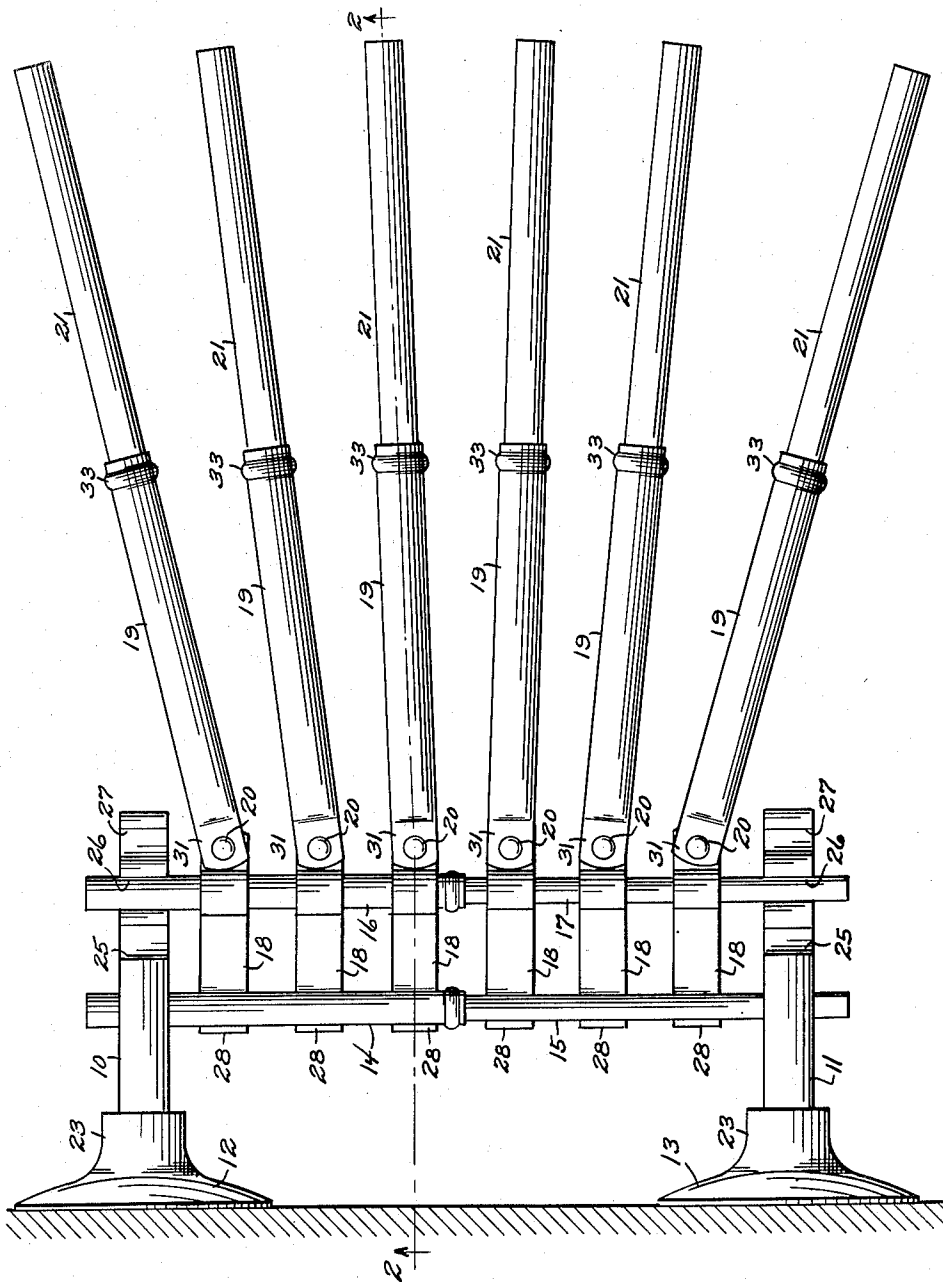


Fig. 1.

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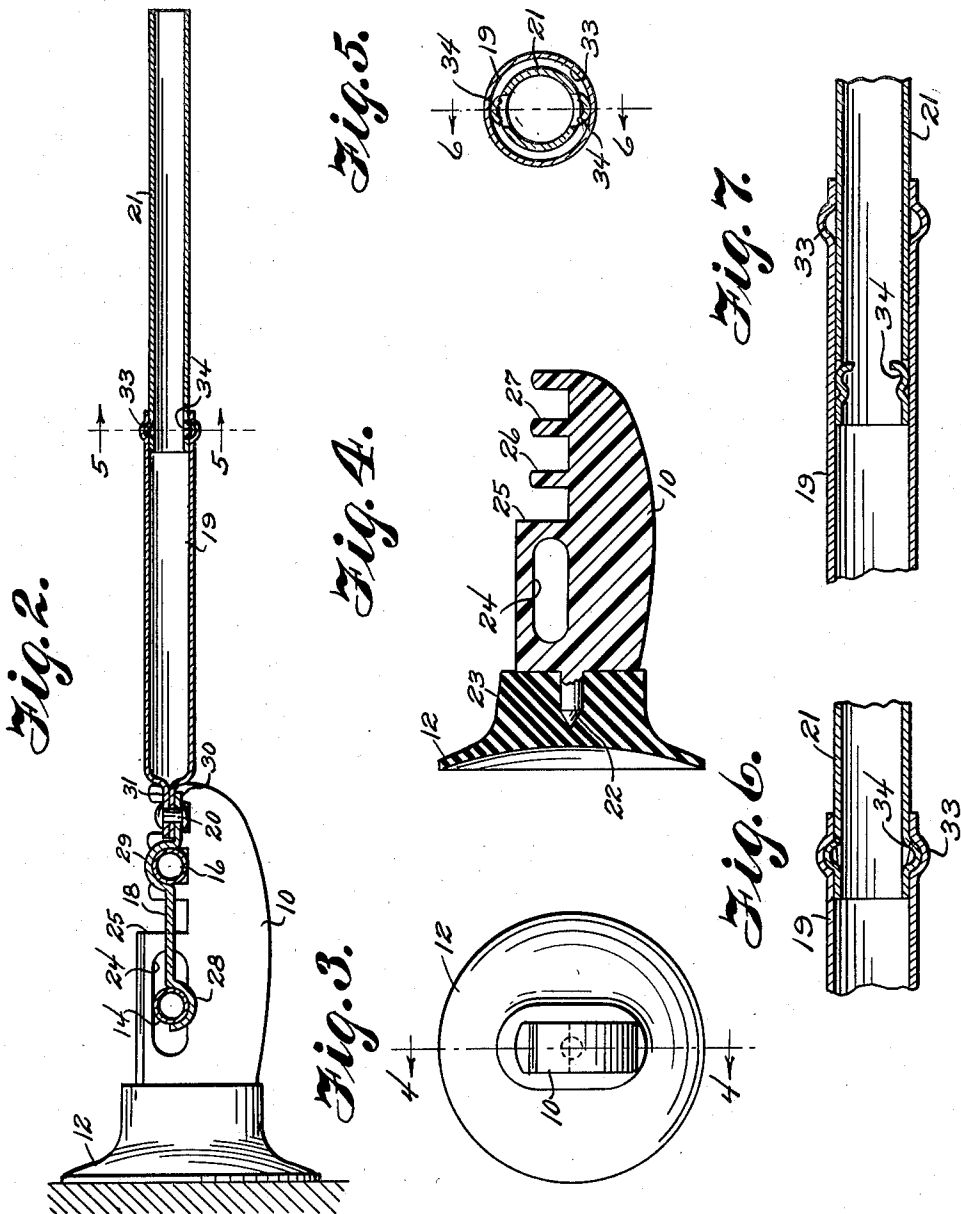
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PORTABLE RACK

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5 Claims. (Cl. 211-100)

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This invention relates to a rack particularly adapted for use by travelers, and in particular a plurality of telescoping arms pivotally mounted on levers that are freely supported on parallel telescoping rods carried by hangers extended from vacuum cups.

The purpose of this invention is to provide a collapsible rack that may readily be set up on a mirror, tile or other smooth wall surface whereby garments may be suspended for drying and wherein the rack may readily be taken down and folded for carrying in a handbag or the like.

Various types of folding clothes racks, dryers and garment hangers have been provided, however, it is desirable to provide a device for use by travelers that may be quickly set up and readily taken down to provide means for drying clothes in a bathroom or the like.

With this thought in mind this invention contemplates a pair of hangers having vacuum cups thereon with rods freely positioned in spaced relation in the hangers and with levers having telescoping arms extended therefrom adapted to be positioned on the rods with the levers extended over one rod and under the other to provide temporary supporting means.

The object of this invention is, therefore, to provide means for temporarily supporting a plurality of radially disposed telescoping arms whereby garments may be suspended in a bathroom for drying.

Another object of the invention is to provide a portable temporary garment drying rack in which parts are adapted to be nested in a comparatively small package.

A further object of the invention is to provide a portable garment drying rack which is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies hangers extended from vacuum cups with spaced notches in the upper surfaces of the outer ends of the hangers and elongated slots in intermediate parts thereof, telescoping rods freely positioned in the slots and notches of the hangers, levers having spaced sockets therein with a socket positioned to rest upon the rod positioned in the notches of the hangers and another socket positioned to bear against the lower surface of the rod extended through the slots of the hangers, and telescoping tubular arms pivotally mounted on said levers.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

Figure 1 is a plan view illustrating the portable

garment rack of this invention showing the parts in extended positions.

Figure 2 is a longitudinal section through the rack taken on line 2-2 of Fig. 1.

Figure 3 is an end elevational view showing one of the hangers of the rack with other parts omitted.

Figure 4 is a longitudinal section through the hanger taken on line 4-4 of Fig. 3.

Figure 5 is a cross section through one of the arms of the rack taken on line 5-5 of Fig. 2.

Figure 6 is a longitudinal section through part of one of the tubular arms taken on line 6-6 of Fig. 5, and showing the locking elements of the smaller sections of the arms positioned in an annular groove in the end of a larger section.

Figure 7 is a section similar to that shown in Fig. 6 with the smaller arm moved inwardly wherein the locking elements are separated.

Referring now to the drawings wherein like reference characters denote corresponding parts the improved portable bracket of this invention includes hangers 10 and 11 carried by vacuum cups 12 and 13, respectively, an inner telescoping rod including sections 14 and 15, an outer telescoping rod including sections 16 and 17, levers 18 and telescoping arms including inner sections 19 which are pivotally mounted on the levers 18 with pins 20, and outer sections 21 which are slidably mounted in the outer ends of the inner sections.

Each of the hangers 10 and 11 is provided with a pin 22 which is embedded in the hub section 23 of the vacuum cups, a slot 24 in which the inner telescoping rod is positioned and notches 25, 26, and 27 that are positioned to receive the outer telescoping rods formed with the sections 16 and 17.

Each of the levers 18 is provided with a semi-circular socket 28 that is positioned to nest against the under surface of one of the sections 14 or 15 of the inner rod and an oppositely positioned socket 29 positioned to receive one of the sections 16 or 17 of the outer telescoping rod, as illustrated in Fig. 2.

Each of the levers 18 is also provided with an extended end 30 and flattened sections 31 of the inner sections 19 of the arms are secured to the extensions with pins 20 whereby the arms are free to swing laterally as illustrated in Fig. 1.

The outer ends of the tubular sections 19 of the arms are provided with annular grooves 33 and arcuate spring fingers 34, which are spaced from the ends of the tubes 21, are positioned to snap into these grooves as illustrated in Figs. 5 and 6.

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With the parts arranged in this manner the hangers 10 and 11 may readily be positioned on a smooth surface, such as a mirror, glazed tile wall, or the like and with the rods telescoping the hangers may be positioned at different distances to compensate for the area available for the rack. With the rods in position the levers 18 with the arms extended therefrom are placed over the outer rod and under the inner rod whereby the extended ends of the arms are positioned to suspend articles of clothing or the like.

Both the inner and outer telescoping rods including the sections 14 and 15 of the inner rod and 16 and 17 of the outer rod are provided with annular grooves and spring fingers as illustrated in Figs. 6 and 7 whereby the rods may be secured in extended positions and frictionally held in intermediate positions whereby complete separation thereof is prevented.

It will be understood that modifications may be made in the design and arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. A portable rack comprising a pair of hangers having vacuum cups thereon, spaced outer and inner rods extending from one hanger to another and freely positioned on the hangers, levers supported on the rods with arcuate sections of the levers positioned over the outer rod and with ends thereof extended below the inner rod, and arms pivotally mounted on the levers and extended therefrom.

2. A portable rack comprising a pair of hangers having vacuum cups thereon, an inner rod mounted on the hangers, an outer rod mounted on the hangers, means on the hangers for positioning the rods in spaced relation, levers having spaced sockets therein freely positioned on the rods with the rods nested in the sockets, and arms pivotally mounted on the levers.

3. In a portable rack, the combination which comprises a pair of hangers having spaced notches in the upper surfaces and elongated slots extended therethrough, vacuum cups mounted on the hangers, an inner rod positioned with the ends thereof extended through the slots of the hangers, an outer rod positioned in one of the

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notches in each of the hangers, levers having spaced oppositely disposed sockets therein freely positioned on the rods with one socket positioned over the outer rod and the other socket positioned under the inner rod, and arms pivotally mounted on the levers.

4. In a portable rack, the combination which comprises a pair of hangers having spaced notches in the upper surfaces and elongated slots extended through intermediate parts of the hangers, vacuum cups positioned on the hangers, a telescoping inner rod extended through the slots of the hangers, a telescoping outer rod spaced from the inner rod and positioned with an end in one of the notches of each of the hangers, levers having oppositely positioned semi-circular sockets therein freely mounted on the rods with one of the sockets extended over the outer rod and the other of said sockets positioned under the inner rod, and telescoping arms pivotally mounted on extended ends of said levers.

5. In a portable rack, the combination which comprises a pair of hangers having spaced notches in upper surfaces thereof and vacuum cups on one of the ends, spaced inner and outer rods carried by the hangers, and a plurality of telescoping rods extended from the outer rod, said telescoping rods being positioned to extend over the outer rod and under the inner rod whereby the telescoping rods are supported in outwardly extended positions.

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