A. ANDERSON.

RACK.

APPLICATION FILED MAR. 28, 1910.

977,693.

Patented Dec. 6, 1910.

2 SHEETS—SHEET 1.

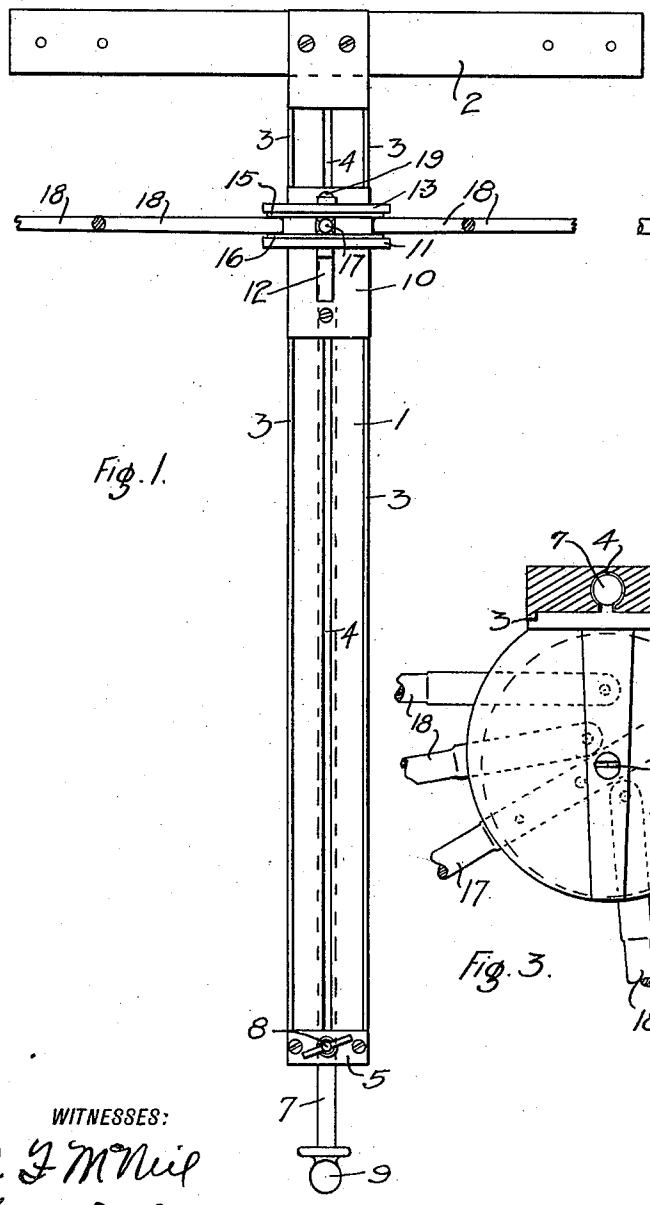

Fig. 1.

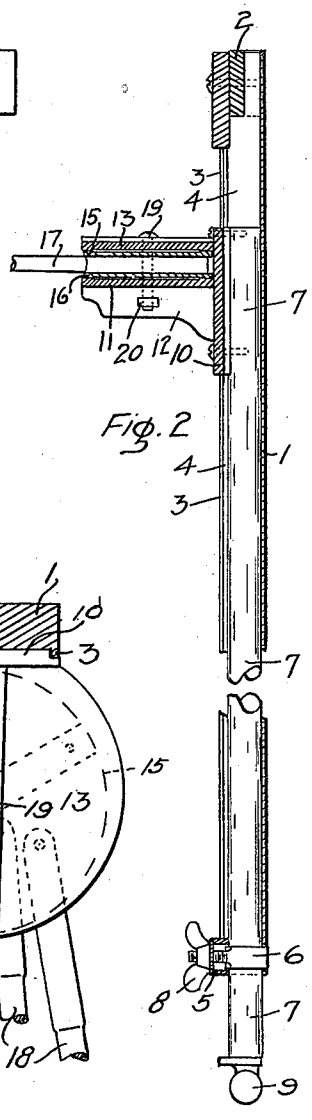

Fig. 2

Fig. 3.

WITNESSES:

M. F. McNeil

Frank D Bentley

INVENTOR

Albert Anderson

BY P. J. Elliott

ATTORNEY

A. ANDERSON.

RACK.

APPLICATION FILED MAR. 28, 1910.

977,693.

Patented Dec. 6, 1910.

2 SHEETS—SHEET 2.

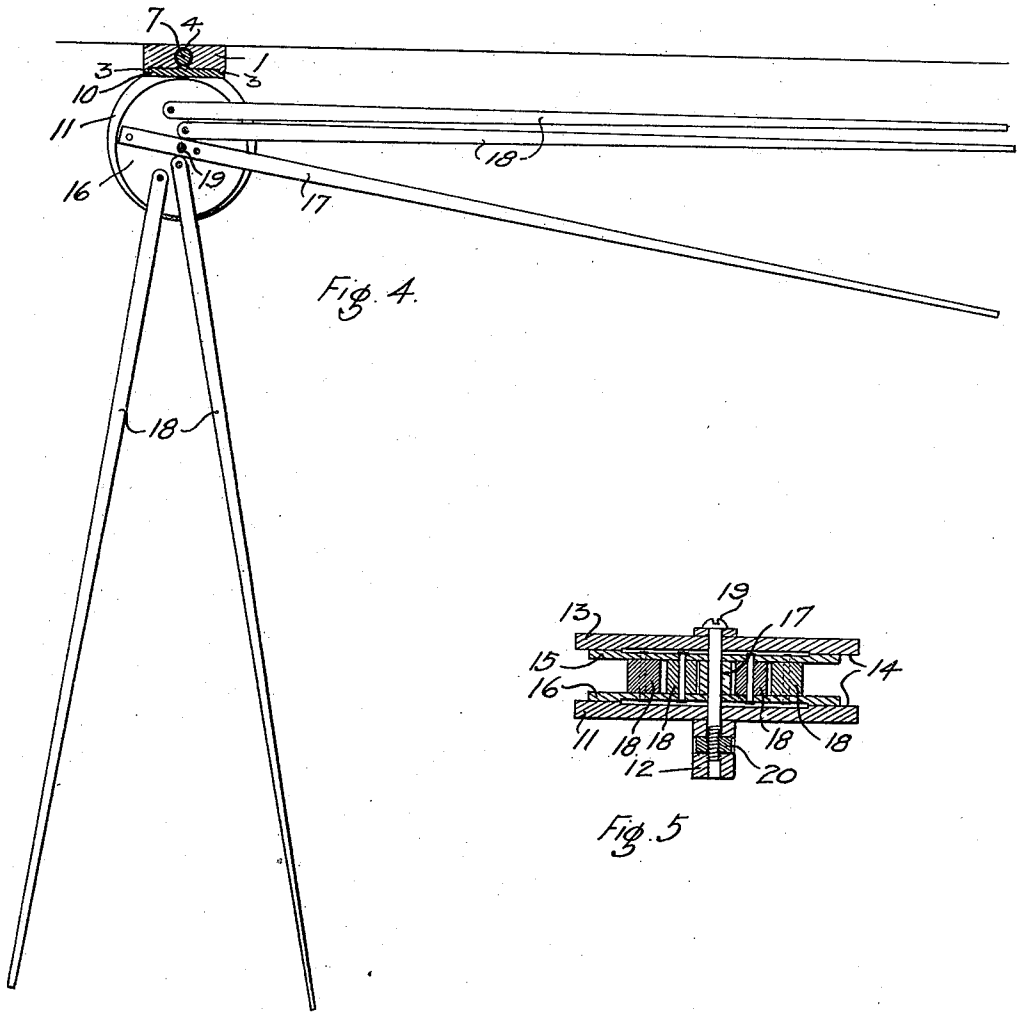

Fig. 4.

Fig. 5.

WITNESSES:

M. F. McNeil

Frank D. Bentley

INVENTOR

Albert Anderson

BY W. P. Elliott

ATTORNEY

UNITED STATES PATENT OFFICE.

ALBERT ANDERSON, OF TACOMA, WASHINGTON.

RACK.

977,693. Specification of Letters Patent. Patented Dec. 6, 1910.

Application filed March 28, 1910. Serial No. 551,959.

To all whom it may concern:

Be it known that I, ALBERT ANDERSON, a citizen of Sweden, residing at Tacoma, in the county of Pierce and State of Washington, have invented certain new and useful Improvements in Racks, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to racks for hanging towels or other similar articles thereon and has for its objects to provide a rack which can be moved vertically without disturbing the articles hung thereon; in which the arms may be turned to any position in the horizontal plane; which is strong and durable in construction and yet cheap to make. I attain these and other objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of my improved rack; Fig. 2 is a vertical section thereof; Fig. 3 is a plan of the carrier showing the guide in section; Fig. 4 is a horizontal section of the rack made on a plane just above the arms; and Fig. 5 is a vertical transverse section of the carrier.

Similar numerals of reference refer to similar parts throughout the several views.

The frame consists of a vertical guide piece 1 adapted to be secured to a wall and preferably having a horizontal cross-arm 2 secured to its upper end. This cross-arm 2 has two holes near each end, said holes being spaced so that the nail or screw passing therethrough will engage the studding of the wall. The guide piece 1 is made with side rails 3 extending forward on each side of its front surface and with a central groove 4 in the said front surface, extending from end to end. A cross piece 5 is secured to the lower end of the guide 1 and a sleeve clamp 6 is secured thereto and is mounted in a suitable cross slot in such a position that the rod 7 which lies in said groove 4 will be clamped thereby. A suitable thumb-nut 8 is mounted on the clamp 6 and engages the cross-piece 5.

The rod 7 lies in the groove 4 and passes through the clamp 6 and extends downward from the guide 1 and has a suitable knob or handle 9 secured to its lower end. The vertical plate 10 of the carrier is secured to the upper end of the rod 7 by any suitable means. The lower horizontal plate 11 of the carrier is secured to the plate 10 and is braced by the bracket 12. The upper horizontal plate 13 is similarly secured to the plate 10, both of said plates 11 and 13 being concentric and parallel. A ring-shaped bearing surface 14 is formed around the inner surfaces of said plates 11 and 13. The arm-holder consists of an upper plate 15 and a lower plate 16, between which the arms of the rack are fastened. The central arm 17 is rigidly secured to the two plates 15 and 16, while the four or more side arms 18 are pivotally secured thereto so as to swing to various horizontal positions. A central pivot bolt 19 passes through the plates 11 and 13 of the carrier and through the arm-holder and engages a nut 20 mounted in a slot in the bracket 12.

My device is operated as follows:—When it is desired to place one or more articles on the rack, the thumb-nut 8 is turned to loosen the clamp 6 and allow the rod 7, with the rack mounted on the upper end thereof, to be lowered. Then the central arm 17 is turned horizontally about the pivot 19 and thus turns the holder and all the arms with it. The articles are then arranged on the arms and the arms are turned into the desired positions and the rod 7 is then raised until carrier is near the top of the guide, at which point all the articles hung will be raised so as to be practically out of the way. When no articles are on the rack arms I prefer to turn them all to one side, though this is not always necessary as the rod 7 is usually kept in elevated position and therefore they are out of the way.

Having described my invention, what I claim is;

1. In a rack, the combination with a fixed guide piece having a vertical groove therein; a vertically movable rod mounted in said groove and extending downward from the lower end of said guide piece; a clamp mounted on the lower end of said guide piece and engaging said rod to hold it in vertical position therein; a carrier mounted on the upper end of said rod and sliding on said guide piece; an arm-holder pivotally secured to said carrier; a central rack arm secured to said holder and adapted to turn it on its pivot; and side rack arms pivotally secured to said holder.

2. In a rack, the combination with a fixed guide-piece having a vertical groove therein; a vertically movable rod mounted in said groove and extending downward from the lower end of said guide piece; a clamp

mounted on the lower end of said guide piece and engaging said rod to hold it in vertical position therein; a carrier mounted on the upper end of said rod and sliding on said guide piece; a pair of horizontal plates secured to said carrier; an arm-holder pivotally mounted between said horizontal plates and adapted to turn in the horizontal plane; a rack arm secured to said holder and adapted to turn it on its pivot; and rack arms pivoted to said holder and adapted to turn in the horizontal plane and held in horizontal position by said holder.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT ANDERSON.

Witnesses:
H. T. HANSON,
ERIC ANDERSON.