W. L. SMALLEY.

CLOTHES RACK.

APPLICATION FILED JULY 7, 1908.

927,082. Patented July 6, 1909.

Fig. 1.

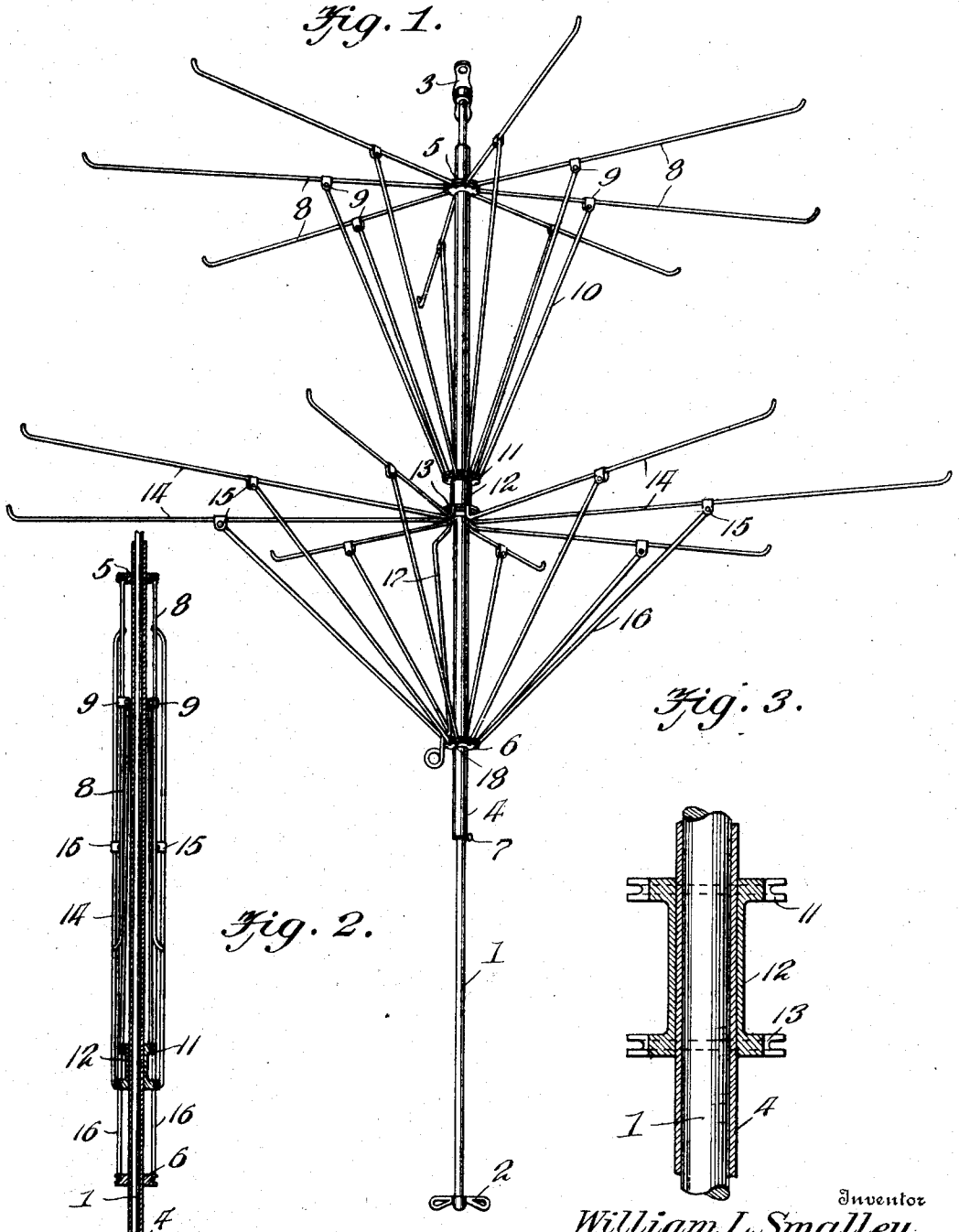


Fig. 2.

Fig. 3.

Witnesses

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CLOTHES-RACK.

No. 927,082. Specification of Letters Patent. Patented July 6, 1909.

Application filed July 7, 1908. Serial No. 442,312.

To all whom it may concern:

Be it known that I, WILLIAM L. SMALLEY, a citizen of the United States, residing at Hopedale, in the county of Tazewell and State of Illinois, have invented new and useful Improvements in Clothes-Racks, of which the following is a specification.

This invention relates to clothes racks, and the object of the invention is to provide a foldable clothes rack adapted to be suspended from the ceiling of a room, the rack being so constructed as to be readily lowered for the reception of the clothes and to be elevated and retained in said elevated position when the clothes are in position thereon and whereby the clothes upon the rack will be normally held out of danger of contact by persons within the room.

With these and other objects in view the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a clothes rack constructed in accordance with the present invention, the clothes supporting arms being illustrated in their open position, and the device elevated upon the supporting rod. Fig. 2 is a vertical longitudinal sectional view through the sleeve and sliding collar, and illustrating the clothes supporting arms folded. Fig. 3 is a detail vertical sectional view, taken upon an enlarged scale to illustrate the sliding collar.

In the accompanying drawings the numeral 1 designates the supporting rod. This rod 1 has its lower end provided with a suitable enlargement 2 and its upper end provided with suitable threads adapted for engagement with the threaded nipple of a member 3 which is permanently retained upon the ceiling of a room.

Slidably mounted upon the rod 1 is an elongated sleeve 4. This sleeve 4 is provided with integrally formed upper and lower annular flanges 5 and 6. The sleeve 4 is adapted to be retained upon the rod 1 in the elevated position illustrated in Fig. 1 of the drawings through the medium of a pin 7 engaging a suitable transverse perforation provided within the rod and adapted to project upon either side thereof so as to offer an engaging abutment for the lower portion of the sleeve 4. When it is desired to lower the sleeve, the pin 7 is withdrawn from the opening and the sleeve allowed to slide downwardly upon the rod until it contacts with the enlargement 2 thereof.

Pivotally connected with the upper annular flange 5 is a plurality of radiating clothes receiving arms 8. These arms 8 are each provided with depending ears 9 arranged a suitable distance away from the flange 5 and adapted for the reception of the supporting members 10. These supporting members 10 have their lower extremities pivotally connected with the upper annular flanged member 11 of a sliding collar 12 mounted upon the sleeve 4 between the flanges 5 and 6. The collar 12 is also provided with a lower annular flanged member 13, and this flange is adapted for the reception of the radiating arms 14 comprising the lower member of the rack. These arms 14 are provided with angular bent ends which are connected with the flange 13 so as to position the arms away from the arms and supports comprising the upper member of the rack when the device is folded. It will be noted by reference to the several figures of the drawing that the annular flanged members 5 and 6 as well as the annular flange members 11 and 13 provided upon the sliding collar 12 are each provided with annular grooves and recesses extending into the grooves which are adapted for pivotal engagement with the rods of the back. The arms 14 are also adapted to be arranged intermediate of the arms 8, and are each provided with downwardly extending ears 15 adapted for pivotal connection with suitable supports 16. The supports 16 have their lower extremities pivotally connected with the lower flange 6.

Secured to the slidable collar 12 is a downwardly extending operating member or arm 17 having its lower portion provided with a suitable offset 18 adapted to engage the upper face of the lower flange 6 to retain the collar in a fixed position upon the sleeve 4, and thus support the arms of the rack in spread position. The rod 17 is adapted to project downwardly between two of the supporting members 16 so as to be readily accessible for operating the device. It will be noted that when the offset 18 of the rods 17 is swung away from engagement with the flange 6 the collar 12 may be slid downwardly upon the sleeve 4 causing the arms 8, through the medium of the supports 10 to be swung downwardly against the sleeve 4 and the arms 14 to be swung upwardly in-

termediate of the arms 8 and toward the sleeve 4 as clearly illustrated in Fig. 2 of the drawings.

It is to be understood that when clothes are to be positioned upon the arms of the rack the pin 7 is removed from the opening provided by the rod 1 and the rack lowered. When the clothes are placed in position upon the arms 8 and 14 the device is elevated and the pin reinserted so as to retain the same in position. It will also be noted that when desired the rod and the rack may be readily removed from the member 3 by simply unscrewing the rod and the device may be thus easily removed and positioned in a convenient place out of the way of persons traversing the room.

While I have described the preferred embodiment of my invention as it now appears to me, it is to be understood that minor details of construction within the scope of the following claims may be resorted to without departing from or sacrificing any of the advantages of the invention.

Having thus fully described the invention what is claimed as new is:

1. In a clothes rack, a supporting rod, a sleeve upon the rod, means for retaining the sleeve in different positions upon the rod, upper and lower annular flanges upon the sleeve, a slidable collar upon the sleeve having an upper and a lower annular flange, radiating arms pivotally connected with the top flange of the sleeve, supports pivoted to the arms and to the upper annular flange of the collar, radiating arms pivotally connected to the lower annular flange of the collar and arranged intermediate of the upper arms, supports pivotally connected with these arms and having pivoted connections with the lower flanges of the sleeve, and means for retaining the collar in position upon the sleeve to sustain the arms in a normally horizontal position.

2. In a clothes rack a member provided with a threaded nipple adapted to be secured to a ceiling, a supporting rod connected to said nipple and provided with a handle at its lower end, an elongated slidable sleeve upon the rod, means for retaining the sleeve in raised position upon the rod, said sleeve being provided with an upper and a lower annular flange, a slidable collar upon the sleeve provided with annular flanges, radiating arms pivotally connected to the upper flange of the sleeve, supports for the arms pivotally connected to the upper annular flange of the slidable collar, arms pivotally connected to the lower annular flange of the collar and arranged intermediate of the upper arms, supports pivotally connected with these arms, said supports having their lower ends pivotally connected with the lower flange of the sleeve, an operating rod connected with the collar, and said rod having an offset portion adapted to engage the lower flange to sustain the arms in a substantially horizontal position when the arms are spread.

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

WILLIAM L. SMALLEY.

Witnesses:
C. L. Smith,
C. E. Hamilton.