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2,606,667

TOWEL RACK

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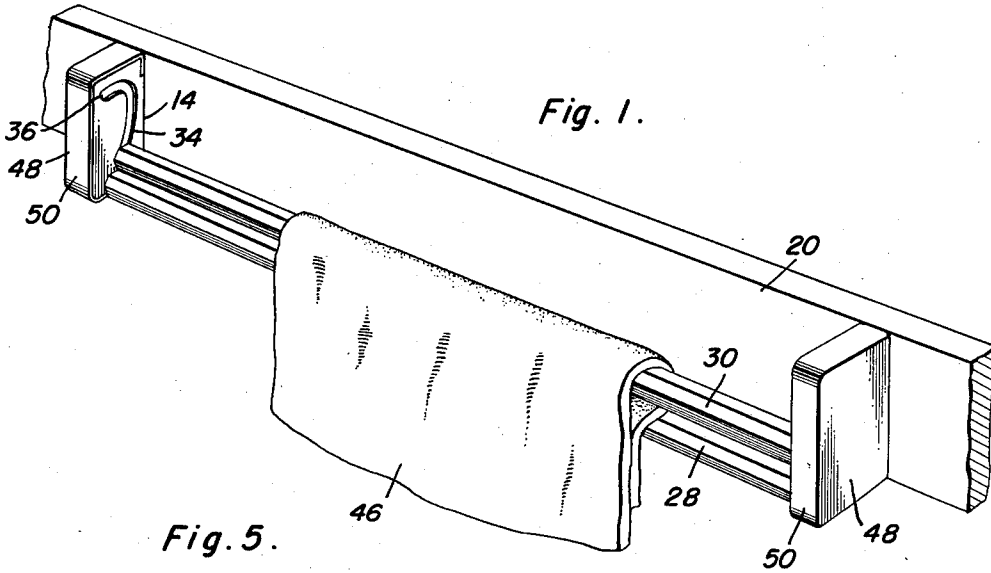


Fig. 1.

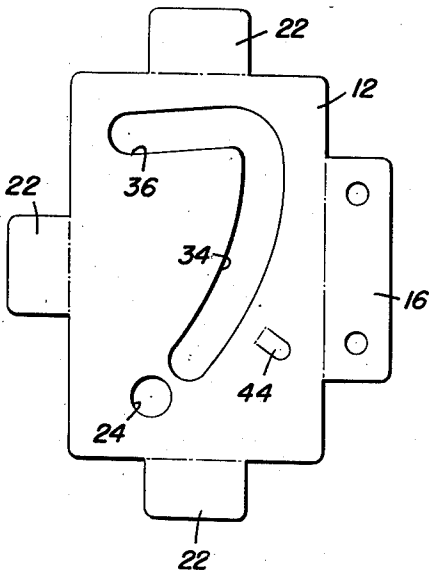


Fig. 5.

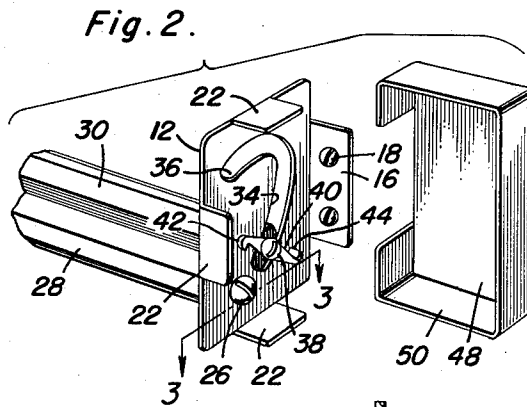


Fig. 2.

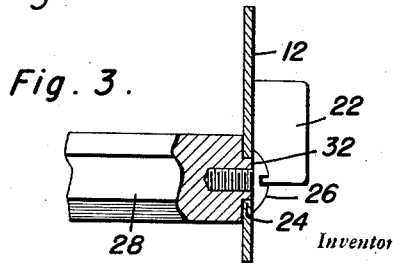


Fig. 3.

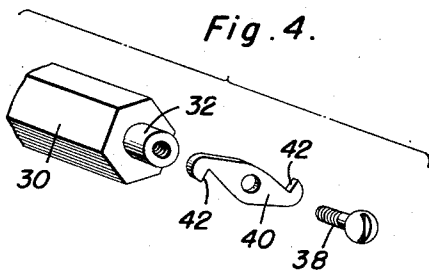


Fig. 4.

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UNITED STATES PATENT OFFICE

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TOWEL RACK

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1 Claim. (Cl. 211—124)

1

This invention relates to new and useful improvements and structural refinements in towel racks, and the principal object of the invention is to conveniently and pleasingly support towels in a readily accessible manner and without the possibility of the towel slipping or otherwise becoming misplaced.

This object is achieved by the provision of a towel rack which embodies in its construction a pair of supporting brackets, a relatively stationary bar and a relatively shiftable bar supported by the brackets, these parts being adapted to receive a towel therebetween.

One of the important features of the invention resides in the provision of means for supporting the shiftable bar in such manner that it may be quickly and easily shifted and rotated to facilitate application of a towel thereto, but another feature of the invention resides in the provision of means for locking the shiftable bar against rotation when the two bars are in the towel-supporting position.

Some of the advantages of the invention reside in its simplicity of construction, in its pleasing appearance, and in its adaptability to economical manufacture.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially in the construction and arrangement of parts as shown in the accompanying drawings, in which:

Figure 1 is a perspective view of the invention in use;

Figure 2 is a fragmentary group perspective view showing one end portion of the rack;

Figure 3 is a cross-sectional detail, taken substantially in the plane of the line 3—3 of Figure 2;

Figure 4 is a group perspective view of a locking dog used in the invention and of the associated structure whereby this dog is attached to one end of the shiftable bar; and

Figure 5 is a developed plan view of one of the brackets used in the invention.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a towel rack designated generally by the reference character 10, the same embodying in its construction a pair of horizontally spaced brackets 12, 14, one of which is left handed while the other is right handed, so to speak, but both consisting of sheets

2

of material equipped at one edge with an angulated flange 16 whereby the bracket may be secured by suitable screws 18 to suitable supporting structure, such as for example, a horizontal rail 20.

The sheets of material from which the brackets 12, 14 are formed are also provided with additional flanges 22, the purpose of which will be hereinafter more fully described.

The brackets 12, 14 are provided with axially aligned apertures 24 to receive suitable bolts or screws 26 whereby a relatively stationary bar 28 may be rigidly secured between the brackets (see Figure 3), the bar 28 preferably being of a polygonal cross-section, substantially as shown.

It should be explained at this point that the bar 28, which has been identified as being rigidly secured to the brackets 12, 14, is to be so secured only in a relative sense, as compared to a relatively shiftable and rotatable bar 30 hereinafter described. That is to say, the bar 28 is not shiftable, but is rotatable on its axis, while the bar 30 is rotatable as well as shiftable. Rotation of the bar 28 is facilitated by providing the ends of the bar with concentric bosses 32 which are rotatable in the apertures 24 of the brackets 12, 14, and the aforementioned screws 26 abut the bosses 32 so that the bar 28 is prevented from becoming displaced.

The aforementioned bar 30 is also provided at its ends with concentric bosses 32, these being slidable and rotatable in arcuate slots 34 which extend upwardly from the immediate vicinity of the aforementioned apertures 24 and terminate at their upper ends in substantially horizontal portions or "bays" 36, as will be clearly apparent. Suitable screws 38 extend into the bosses 32, and thereby prevent the bar 30 from becoming displaced, and it is to be noted that one of the screws 38 carries a locking dog 40 having end portions or detents 42 extending in relatively opposite directions, which end portions are engageable with an angulated stop 44 which is struck out from the bracket 12 at a point immediately adjacent the lower end of the slot 34 in that bracket.

When the invention is placed in use, the bar 30 may be slid upwardly from the bar 28 by simply sliding the bosses 32 in the slots 34, and the bar 30 may be supported in vertically spaced relation from the bar 28 by simply engaging the bosses 32 with the "bays" 36 of the slots 34, so that a towel, indicated at 46, may be applied to the bar 30, as shown in Figure 1.

Thereupon, the bar 30 may be lowered until

3

the towel 46 is engaged and firmly supported between the bars 28, 30, in which instance the locking dog 40, more particularly, the detents 42 of the locking dog, are engageable with the stop 44, so that rotation of the bar 30 is prevented and the towel 46 is similarly prevented from slipping. By virtue of the polygonal cross-section of the bars 28, 30, the locking of the bar 30 against rotation will tend to similarly lock the bar 28, as will be clearly apparent. However, it is to be noted that when the bar 30 is raised from the bar 28, the locking dog 40 will become disengaged from the stop 44 and the bar 30 may then be rotated as desired for the purpose of applying or removing the towel.

The locking dog 40 and stop 44 may be provided at either or both ends of the rack, and if desired suitable end caps or covers 48, provided with a marginal flange 50 as shown in Figure 2, may be applied to the brackets 12, 14, for the purpose of enclosing the mechanism on the brackets, this being effected by simply mounting the flange 50 of the covers 48 on the aforementioned flanges 22 of the brackets, so that the covers are frictionally retained in position.

It is believed that the advantages and use of the invention will be readily apparent from the foregoing disclosure, and accordingly, further description thereof at this point is deemed unnecessary.

Having described the invention, what is claimed as new is:

In a towel rack, the combination of a pair of horizontally spaced brackets, a non-rotatable polygonal bar extending between said brackets, a pair of fastening elements provided in said brackets adjacent lower edges thereof and rigidly se-

4

curing said non-rotatable bar thereto, said brackets being provided with a pair of slots extending upwardly from a point adjacent said fastening elements and having forwardly extending substantially horizontal bays at the upper ends thereof, a second polygonal bar extending between said brackets and provided at its opposite ends with coaxial bosses slidable and rotatable in said slots whereby said second bar may be shifted from a lowered position wherein said bosses are in the lower ends of said slots to a raised position wherein the bosses are in said bays, a laterally projecting stop provided on one of said brackets adjacent the lower end of the slot therein, and a radially projecting dog secured to one of the bosses of the second bar, said first-mentioned and second-mentioned bars being spaced forwardly from rear edges of said brackets and said dog being adapted to abut said stop when the second bar is in its lowered position whereby to lock the second bar against rotation.

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