Enhanced swing rack for outdoor clothes drying

Description

The conventional way for an HDB resident to dry clothes outdoor is to insert the laundry-pole into an existing built-in pipe socket. To make this work easier, a swing rack has been proposed in our prior disclosure which consists of a base assembly, a carrier assembly and braces (Fig. 1). The carrier assembly of such a rack may swing from its normal outdoor position to an indoor position for easy operation (Fig. 2). However, the laundry-pole which was attached to the carrier assembly was not movable along the carrier. In present disclosure, an enhanced version of the swing rack is proposed where the carrier assembly is modified to allow the laundry-pole easily moving on the carrier with little friction, thus to make the clothes drying operation further effortless.

One way to enable the laundry-pole moving with little friction is to add bearing wheels onto the carrier assembly (Fig. 3). In such a way, the laundry-pole may move forward and backward easily with very low friction.

An alternative way is to provide smooth (or even lubricated) bearing surfaces between the carrier and the laundry-pole, in order to ensure minimal friction between them.

In addition to the above mentioned methods, it is also feasible to use additional accessory/accessories as media between the laundry-pole and the carrier assembly. Such an accessory should function as low friction parts to ensure easy sliding movement of the laundry-pole.

For effortless clothes drying, the user may slide the laundry-pole a little bit outward each time after he/she has loaded one piece of clothes onto the laundry-pole, followed by loading next piece of clothes (Fig. 4). This process is

repeated until the pole end is reached. After the pole is fully loaded, it will be tightly clamped to the carrier. Afterwards, the rack will be returned to its normal position for drying (Fig. 5).

In the preceding description, the present disclosure is described with reference to specifically exemplary embodiments thereof. It will, however, be evident that various modifications and changes may be made thereto without departing from the broader spirit and scope of the present disclosure, as set forth in the claims. The specification and drawings are, accordingly, to be regarded as illustrative and not as restrictive. It is understood that the present disclosure is capable of using various other combinations and embodiments and is capable of any changes or modifications within the scope of the inventive concept as expressed herein.

Claims

(1) A design of clothes drying rack that may swing from its normal position to an indoor position for easy loading/unloading, with a mechanism to allow smooth sliding of the laundry-pole on the rack with low friction.

(2) A clothes drying rack design according to claim 1, using bearing wheels, smooth bearing surfaces or additional accessories as its low friction mechanism.