

ABSTRACT

CLOTHES-DRYING POLE, STRUCTURE RACK, DEVICE AND METHOD THEREOF

5 The invention relates to a clothes-drying pole, a structure rack, a pole-locking device and a method for inserting or retrieving a clothes-drying pole (20) with wet wash clothes into an existing pipe socket (40), which cantilevers the pole (20) for outdoor drying. A rack (30) comprises a ledge-rail (31), an L-shaped supporting arms (32) and an inner rail (33). The arms (32) attaches to a mounting bracket (38) with anchorage bolts (45) and mounted structurally to a socket's (40) wall. The arms (32) projecting horizontally outward is inclined upward and attached to the ledge-rail (31). The inner rails (33, 34) welded to the arms (32) are situated in parallel between the wall and the ledge-rail (31). The pole (20) comprises a cylindrical hollow extruded aluminum tube (21) with corrugated permanent-mold cast wall with internal protrusion (28), the insertion portion of the tube (21) inserted with an elastic holder (22) and provided with end stoppers (23) on its both ends. A stud-hook (24) attached to the tube (21) catches into the stud (26), containing the pole (20) inside socket (40) and hardly dislodging in windy weather condition.

