Sept. 6, 1938. W. R. LIPP 2,129,432

SEPARABLE JOINT

Filed Aug. 6, 1935

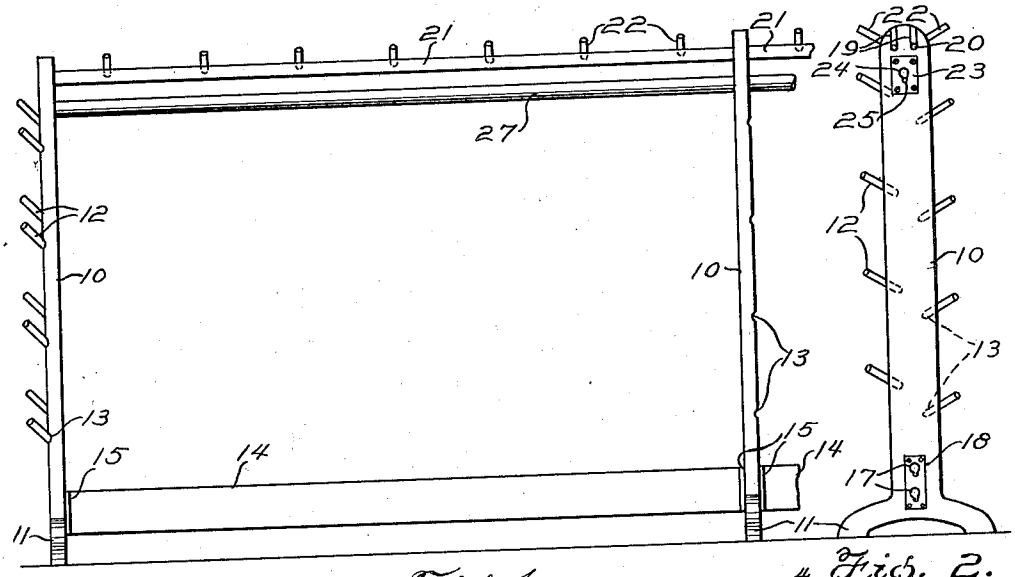


Fig. 1.

Fig. 2.

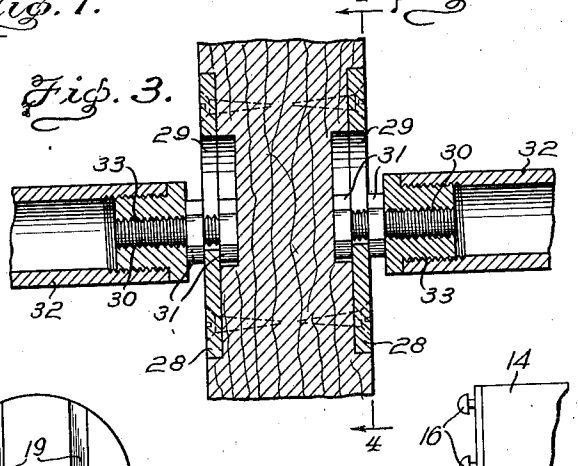


Fig. 3.

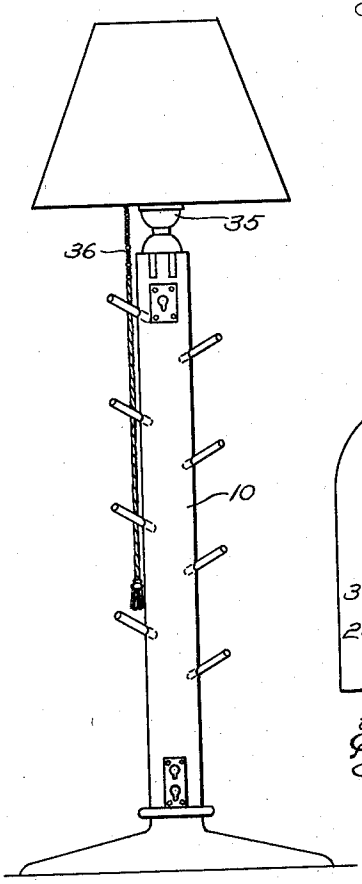


Fig. 6.

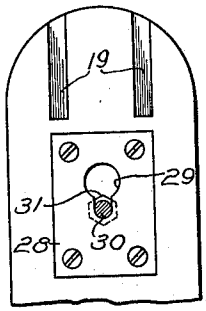


Fig. 4.

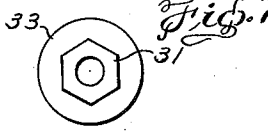


Fig. 7.

Fig. 5.

Walter R. Lipp

INVENTOR

BY Victor J. Evans & Co.

ATTORNEYS

Patented Sept. 6, 1938

2,129,432

UNITED STATES PATENT OFFICE

2,129,432

SEPARABLE JOINT

Walter R. Lipp, Mifflin Township, Allegheny County, Pa.

Application August 6, 1935, Serial No. 34,970

1 Claim. (Cl. 287—54)

The invention relates to joints and more especially to separable joints for clothes racks or other articles of furniture.

The primary object of the invention is the provision of a joint of this character, wherein the same can be readily and easily set up and knocked down with dispatch.

Another object of the invention is the provision of a joint of this character, wherein hanger bars or poles are removably fitted in place in a novel manner for supporting clothes hangers or directly supporting hats and articles of wearing apparel.

A further object of the invention is the provision of a joint of this character, which is simple in its construction, thoroughly reliable and efficient in its purposes, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a fragmentary elevation of a rack involving the separable joints constructed in accordance with the invention.

Figure 2 is an end view.

Figure 3 is a fragmentary enlarged vertical longitudinal sectional view.

Figure 4 is a fragmentary sectional view taken on the line 4—4 of Figure 3.

Figure 5 is an end view of one of the supporting rails or poles of the rack.

Figure 6 is an end elevation of the rack showing a lamp equipment thereon. Figure 7 is a fragmentary side elevation of the bottom brace of the rack, being detached therefrom.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the rack illustrated comprises a pair of spaced vertical end members 10 having the spread feet 11 and carries angularly disposed pegs 12, these being staggered with relation to each other and are fitted within suitable sockets 13 provided in said members, the pegs being adapted for holding hats or wearing apparel when hung thereon.

Between the members 10 at the lower portion of the rack is a longitudinal brace rail 14 it having at each end an abutment plate 15 provided with headed latching lugs 16, these being either integral with the plate or riveted thereto and are accommodated in keyhole shaped keeper slots 17 provided in a companion abutment plate 18 made fast to each member 10. In this manner the brace rail 14 is separably attached to the end members 10 in the erecting of the rack. This rail 14 will be firmly and rigidly attached to the members 10 when the lugs 16 are engaged in the keeper slots 17, the plates 15 and 18 being in contacting relation to each other on the fastening of the rail 14 with said members. At the upper end of each member 10 and provided in the inner face thereof is a pair of spaced vertical notches 19, these opening through the upper end and the inner face of each member to removably accommodate the coupling pins 20 of a top rail or pole 21. Beneath the notches 19 and countersunk in each member 10 is an abutment plate 23, being provided with a keyhole shaped slot 24 for accommodating a headed latching lug 25. The pins 20 in their arrangement when engaged in the notches 19 will prevent the turning of the rail or pole 21 when burdened with the load.

The top rails or poles 21 are preferably two in number carrying the pegs 22 for the hanging of hats upon the rack. A supporting bar 27, which is in the form of a pipe or tube, is a part of the rack. This bar 27 is beneath the top rails or poles 21 at the desired distance therefrom and runs parallel therewith, being effective for an upper brace for the said rack.

In Figures 3 to 6 of the drawing the separable joint comprises plates 28 having the keyhole shaped keeper slots 29 therein and engageable in these slots are the threaded bolts 30, these fitted with jam nuts 31 working against opposite sides of the abutment plates 28 for the separable fastening of the supports 32 in place. The bolt 30 is threaded in a screw plug 33 tapped into the end of the support 32, the supports 32 being in the form of tubes or pipes.

Mountable upon one of the end members 10 of the rack is an electric lamp 35 having the customary switch pull chain 36 for the lighting and extinguishing of such lamp. This lamp 35 can be separably mounted upon the rack in any desirable manner.

It is, of course, understood that these jam nuts 31 threaded upon the bolts 30 will bind against opposite faces of the abutment plates 28 and in this manner function as secure fasteners for the supports 32 and for the coupling of the parts together.

What is claimed is:

The combination of angularly related members, a plate secured to one member and having a key hole shaped slot, a screw plug fitting the other member, a bolt threaded in said plug, and jam nuts adjustably threaded on said bolt and engageable with opposite sides of the plate when the said bolt is inserted in said key hole shaped slot for separably joining the members with each other.

WALTER. R. LIPP.