Feb. 28, 1950 P. PESTYNER 2,499,159

NECKTIE RACK

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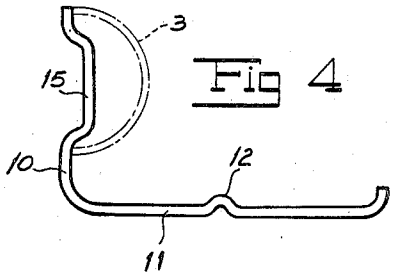


Fig 4

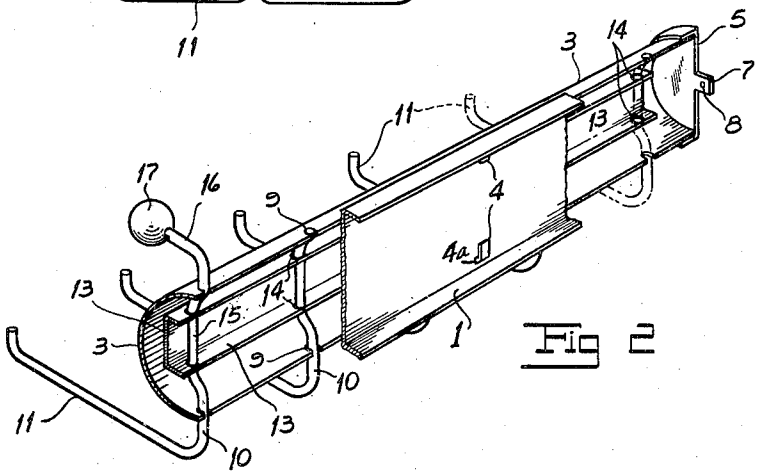


Fig 2

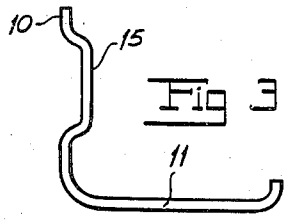


Fig 3

Fig 1

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NECKTIE RACK

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4 Claims. (Cl. 211—96)

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This invention is a necktie rack adapted to be mounted in rigid position upon a suitable support such as a door, wall, shelf, or the like, and provided with a plurality of tie supporting arms on which individual ties may be hung. The arms are mounted so as to be susceptible to two distinct positions, in one of which they extend perpendicular to the surface of the support to permit ties to be readily positioned on or removed from them while at other times these arms are adapted to be collapsed into a position substantially parallel to the surface of the support so as not to unduly project therefrom.

Speaking generally, the rack of this invention comprises a casing having an open side engaged with and closed by a back plate which is, in turn, provided with screw holes or other means, whereby this plate may be secured to the rigid support. Along the edges of the casing which engage with the back plate are notches, the open sides of which are closed by the back plate to form therewith bearings for the shanks of a plurality of tie supporting arms. The shanks are bent intermediate their ends to form cranks and these cranks freely pass through an arm actuating member positioned within and concealed by the casing. Appropriate means is provided for shifting this member rectilinearly, for the purpose of oscillating the shanks of the several arms within the bearings of the casing, so that said arms may be moved from positions substantially normal to the back plate, to positions substantially parallel to such plate. Movement may be imparted to the arm actuating member by an appropriate finger piece which may be attached thereto and extend through a slot at the front of the casing, or, the shanks of one of the arms may be extended upwardly above the casing and forwardly to provide a finger piece for this purpose.

Features of the invention, other than those adverted to, will be apparent from the hereinafter detailed description and appended claims when read in conjunction with the accompanying drawing.

The accompanying drawing illustrates different practical embodiments of the invention, but the construction therein shown is to be understood as illustrative, only, and not as defining the limits of the invention.

Figure 1 is a perspective view showing a necktie rack embodying the present invention.

Figure 2 is a fragmental perspective showing a portion of the length of the rack when viewed from the back thereof with much of the back plate broken away to show the interior structure of the rack.

Figure 3 shows one on the tie supporting members of the rack in side elevation.

Figure 4 is a like view showing a modified form of tie supporting member.

In the accompanying drawings 1 indicates a back plate shown as stamped from sheet metal or molded from plastic, although this back plate may

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be made of any appropriate material. It is relatively long and narrow and is provided near its opposite ends with perforations 2 through which screws or nails may be passed to mount the back plate to a rigid support.

Positioned forwardly of the back plate is a casing 3 shown as substantially semi-circular in cross section, but it may be of any desired cross sectional shape without departing from this invention. It is illustrated in the drawings as made of sheet metal or plastic, in arcuate form and provided along its free edges with tongues 4 adapted to be passed through slots 4a in the back plate and bent over to firmly and permanently secure the casing to the back plate. The opposite ends of the casing are closed by caps 5, having tongues 6 extending through slots 6a in the casing and tongues 7 extending through slots 7a in the back plate. These tongues 7 may be bent over like the tongues 4 at the rear of the back plate or they may be held in place by pins passed through perforations 8 in these tongues.

Both the top and bottom edges of the casing which abut the back plate are provided at spaced apart distances longitudinally of the casing with notches 9, the open sides of which are closed by the back plate and these notches, together with the back plate, form vertically alined pairs of upper and lower bearings for the shanks 10 of a like number of individual tie supporting members. The lower end of each shank is bent forwardly to provide a tie supporting arm 11 which may be of the shape shown in Figure 3 wherein it is relatively short to support a single tie, or, as shown in Figure 4, where it is relatively long to support two ties, with an intermediate hump 12 to separate the ties. By mounting the shanks of the arms in the vertically alined upper and lower bearings, as shown best in Figure 2, the arms are adapted for pivotal movement on the axes of these bearings.

All of the arms are locked together for simultaneous movement by an arm actuating member 13 positioned within and concealed by the casing and shown in the form of a channel section. The flanges of this channel section are provided with bearings 14 which correspond in spacing and number to the vertically alined pairs of bearings of the casing and the shank of each arm is offset in relation to the shank, as shown at 15, to form, on each shank, a crank and each crank loosely passes through a pair of vertically alined bearings 14 in the arm actuating member 13. Consequently, when this arm actuating member is shifted rectilinearly, movement will be simultaneously imparted to all of the arms, so that they may be moved from the full line position of Figure 1, wherein they extend in a direction normal to the face of the back plate, to the dotted line positions of this figure, wherein they are substantially parallel to the back plate or almost so.

Movement may be imparted to the actuating

member 13 by providing it with a finger piece extending through a longitudinal slot in the front of the casing, although in the form of the invention shown, the shank of the center arm is extended upwardly above the casing and forwardly to form a finger piece 16 carrying a knob 17. When this finger piece is manually manipulated to rotate the center arm in the manner stated, the operating member 13, which connects all of the arms, will simultaneously effect corresponding movement to all of them. Thus neckties, such as the one indicated at N in Figure 1, may be moved from a position wherein they may be readily chosen and removed from or replaced on the hooks, to compacted position wherein they will not unduly project from the surface on which the rack is rigidly supported.

All of the tie supporting members are made exactly the same except that one of them may be extended above the casing to form a hand piece whereby all of them can be simultaneously oscillated. All of the tie supporting members are loosely journalled in the same manner for oscillation in alined upper and lower bearings of the casing. The cranks simply occupy the interior of the casing from which they cannot escape, as clearly appears from Figure 4, where the casing is shown in dot and dash lines. The arm actuating member simply acts as a tie between the cranks by virtue of the passage of the cranks through vertically alined bearings in said actuating member and said member is loosely hung upon the cranks intermediate the upper and lower bearings on which the cranks are mounted for oscillation. The upper and lower bearings in the flanges of the crank operating member collectively provide long bearings which keep said actuating member from dropping out of place. In the structure of the present invention all operating parts except the finger piece and the tie supporting arms are concealed and housed within the casing which precludes engagement of the ties with these operating parts and protect them from the accumulation of dirt, lint and other extraneous matter.

The foregoing detailed description sets forth the invention in its preferred practical form and the invention is to be understood as fully commensurate with the appended claims.

Having thus fully described the invention, what I claim as new and desire to secure by Letters Patent is:

1. A necktie rack comprising: a hollow casing having an open back provided along its back edges with pairs of vertically alined notches in the wall of the casing, a back plate abutting said edges and connected to the casing and forming with said notches alined pairs of upper and lower bearings, a plurality of tie supporting members each embodying a tie supporting arm positioned exteriorly of the casing and having a shank journalled for oscillation in the corresponding pair of upper and lower bearings and offset in relation to the shank between said bearings to form a crank within the casing, an arm actuating member within the casing having bearings pivotally engaged with the cranks of said shanks to secure them together for simultaneous operation, and means for operating said arm actuating member to move said arms from positions substantially perpendicular to the back plate into positions substantially parallel thereto, and vice versa.

2. A necktie rack comprising: a hollow casing having an open back provided along its back

edges with pairs of vertically alined notches in the wall of the casing, a back plate abutting said edges and connected to the casing and forming with said notches alined pairs of upper and lower bearings, a plurality of tie supporting members each embodying a tie supporting arm positioned exteriorly of the casing and having a shank journalled for oscillation in the corresponding pair of upper and lower bearings and offset in relation to the shank between said bearings to form a crank within the casing, an arm actuating member within the casing having bearings pivotally engaged with the cranks of said shanks to secure them together for simultaneous operation, one of said shanks being extended above the casing and forwardly thereof to provide a finger piece for the manipulation of said shanks and supporting arms, whereby said arms may be moved from positions substantially perpendicular to the back plate into positions substantially parallel thereto, and vice versa.

3. A necktie rack comprising: a hollow casing having an open back provided along its back edges with pairs of vertically alined notches in the wall of the casing, a back plate abutting said edges and connected to the casing and forming with said notches alined pairs of upper and lower bearings, a plurality of tie supporting members each embodying a tie supporting arm positioned exteriorly of the casing and having a shank journalled for oscillation in the corresponding pair of upper and lower bearings and offset in relation to the shank between said bearings to form a crank within the casing, and an arm actuating member within the casing having bearings pivotally engaged with the cranks of said shanks to secure them together for simultaneous operation, said arms being simultaneously movable from positions substantially perpendicular to the back plate into positions substantially parallel thereto and vice versa.

4. A necktie rack comprising: a hollow casing having an open back provided along its back edges with pairs of vertically alined bearings in a wall of the casing, a back plate abutting the edges of the wall of the casing and connected to the casing, a plurality of the tie supporting members each embodying a tie supporting arm positioned exteriorly of the casing and having a shank journalled for oscillation in the corresponding pair of upper and lower bearings and offset in relation to the shank between said bearings to form a crank within the casing, and an arm actuating member within the casing having bearings pivotally engaged with the cranks of said shanks to secure them together for simultaneous operation, said arms being simultaneously movable from positions substantially perpendicular to the back plate into positions substantially parallel thereto and vice versa.

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