Jan. 5, 1954 L. G. SIMJIAN 2,665,011

TIE RACK

Filed Sept. 24, 1949

Fig. 1.

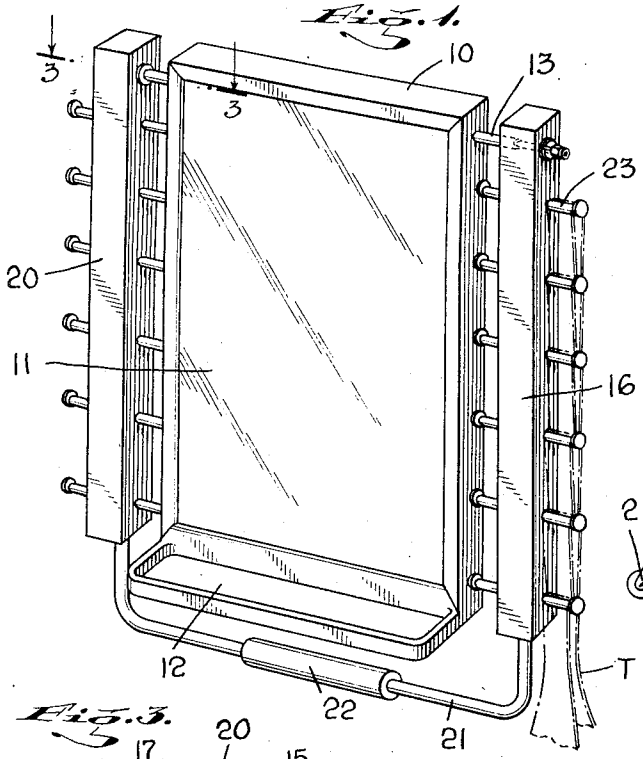


Fig. 2.

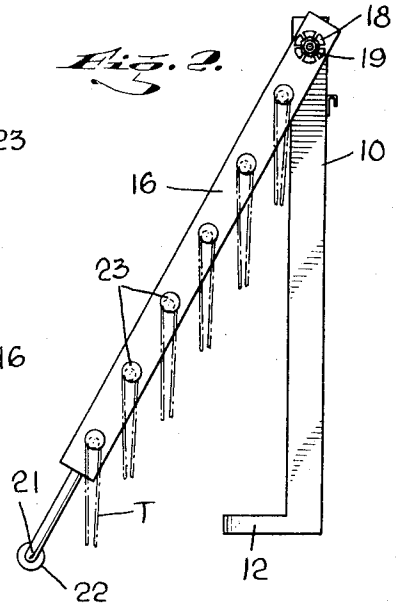


Fig. 3.

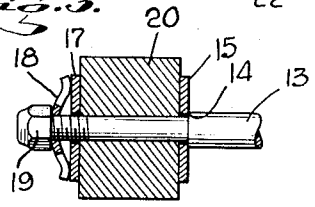


Fig. 4.

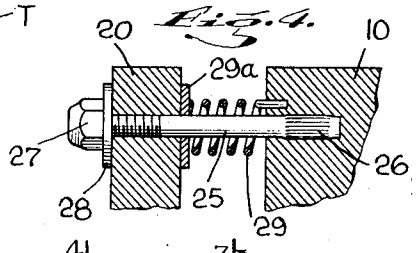


Fig. 5.

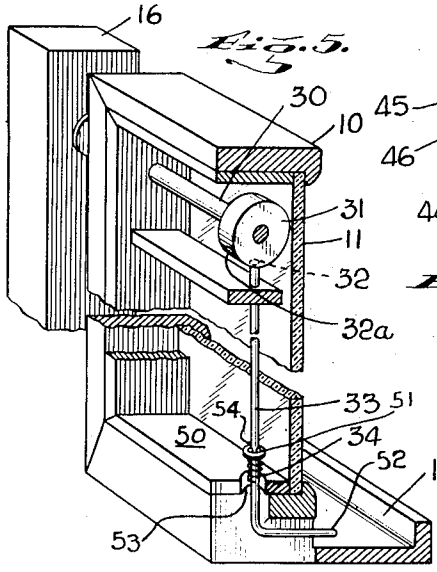


Fig. 7.

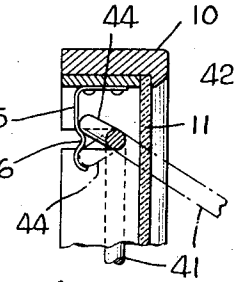
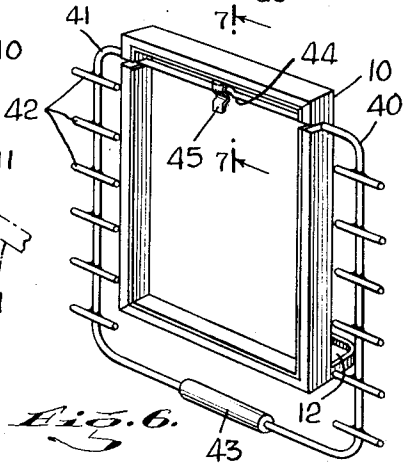


Fig. 6.



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TIE RACK

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4 Claims. (Cl. 211—99)

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This invention relates to a necktie rack, and more particularly to a necktie rack of the type adapted for mounting on a wall, door or the like. Even more particularly, my invention relates to a combination tie rack and mirror, the tie rack being movably mounted relatively to the mirror whereby to make accessible the ties thereon.

As a feature of my invention, I provide a main frame and a tie carrying frame, with the tie carrying frame being movable relatively to the main frame into and out of a position in which the ties on the tie carrying frame are readily accessible for removal or for replacement.

As a particular feature of my invention, the main frame may take the form of a mirror carrying member, and may further be provided with a tray or other device, the advantage of which will be clearly understood by those skilled in the art.

As a still further feature of the invention, I provide means whereby the tie carrying frame, when moved into a position to make the ties thereof accessible, is yieldingly held in that position for the removal and replacement of the ties.

I have thus outlined rather broadly the more important features of my invention in order that the detailed description thereof that follows may be better understood, and in order that my contribution to the art may be better appreciated. There are, of course, additional features of my invention that will be described hereinafter and which will form the subject of the claims appended hereto. Those skilled in the art will appreciate that the conception on which my disclosure is based may readily be utilized as a basis for the designing of other structures for carrying out the several purposes of my invention.

Referring now to the drawings, Fig. 1 is a perspective view of my invention. Fig. 2 is a side elevation thereof showing the tie carrying frame in what I term open position. Fig. 3 is a section taken along lines 3—3 of Fig. 1, showing friction means for yieldingly holding the tie carrying frame in the open position of Fig. 2. Fig. 4 shows friction means that are an alternate to the form shown in Fig. 3. Fig. 5 shows in perspective other holding means that may be utilized for holding the tie carrying frame in the open position of Fig. 2. Fig. 6 illustrates in perspective the rear view of one form of my invention with another type of means for yieldingly holding the tie carrying frame in open position. Fig. 7 is a section taken along lines 7—7 of Fig. 6.

Referring now more particularly to the drawings, reference numeral 10 indicates the main

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frame of my invention, preferably formed so as to carry a mirror 11, the bottom of the main frame having secured thereto a tray 12, the utility of which will be quite obvious.

Passing transversely through the main frame 10 and supported thereby, is a shaft 13, one end of which is well illustrated in Fig. 3. Each end of shaft 13 is shouldered at 14 for a washer 15 against which is applied a strut 16 at one end and a strut 20 at the other end. These struts may be formed of wood or some other material. Secured against the other side of struts 16, 20 is a washer 17 against which is applied the friction of a spring washer 18, the pressure of which is adjusted by a nut 19. Connecting the lower ends of the two struts 16 and 20 is a U-shaped bar 21, to the center of which may be secured a decorative member 22. Actually, the U-shaped member 21 may be formed of two angular parts joined in the center by the part 22. The struts 16, 20 and members 21, 22 form the tie carrying frame of my invention.

Each strut 16, 20 carried a series of headed support pins 23, to each of which may be applied a tie T retained by the headed pin ends. The ties will be securely held in position as shown in dash and dotted lines in Fig. 1 when the struts 16, 20 are vertically aligned with the main frame 10. When it is desired to apply a tie to one of the support pins 23, or to remove a tie, it is merely necessary to rotate the two struts 16, 20 of the tie carrying frame into the position of Fig. 2. The struts will there be held by the friction applied through the washer 18 and the washers 15, 17 operating on each side of the frame. The obvious utility of this modification of my invention will now be clearly understood by those skilled in the art.

In Fig. 4 I show a different form of means for mounting the struts 16, 20. Thus, a bolt 25 is shown driven into the frame 10 and there held by the serrated enlarged portion 26 of the said bolt. Carried by the bolt 25 is one of the struts 16, 20 held thereon by the headed end 27 of the bolt operating through a washer 28. A spring 29 bears between the main frame 10 and a further washer 29a to press against each strut. Obviously, the springs 29 will exert sufficient frictional pressure through the washer 29a to maintain the tie carrying frame in any position to which it may be moved, as for example, the position of Fig. 2.

In Fig. 5, I show a further modification where the shaft on which the struts 16, 20 are mounted is designated by reference numeral 30. the shaft

30 in this form of my invention will rotate integrally with the struts 16, 20 and will have secured centrally thereof a disc 31 having two drilled bores 32, 32a. A dog 33 is normally spring pressed by spring 34 toward the disc 31 and for entry into one of the bores 32, the spring 34 pressing between surface 50 of frame 10 and a washer 51 resting against staked part 54 of dog 33. Dog 33 passes through an opening 53 in surface 50 of frame 10, and has a part 52 accessible at tray 12 so that it may be drawn downwardly. If dog 33 is drawn downwardly through its part 51 to release disc 31 and shaft 30, the struts 16, 20 are free for rotation to open position in a direction to rotate the disc 31 counterclockwise. It is obvious that the bore 32a will then move opposite the dog 33 so that the dog will be pressed into the said bore 32a. The disc 31 and the shaft 30 will then be held so as to maintain the struts 16, 20 in the open position of Fig. 2. In some cases it may not be necessary to use bore 32, as gravity will hold the tie carrying frame in its position of Fig. 5.

In Fig. 6, I show still a further modification of my invention in which, substituted for the struts 16, 20, is a pair of wire struts 40, 41 having welded thereto a series of tie support pins 42. The struts extend downwardly and horizontally so as to be joined by a handle member 43 very similar to the handle member 22 of the modification of Fig. 1. The struts 40, 41 are formed with a central bulge 44 adapted for coaction with a spring clip 45. With the struts hanging in the vertical dotted line position of Fig. 7 and the full line position of Fig. 6, the bulge 44 is located above the bulge 46 in the spring clip 45. When the struts 40, 41 are rotated counterclockwise, the bulge 44 will move into the dash and dotted line position illustrated in Fig. 7 relatively to the clip 45 whereby to maintain the struts 40, 41 yieldingly in an open position corresponding to the open position of Fig. 2.

I believe that the very simple nature of my invention and the considerable utility of the modifications thereof will now be understood and appreciated by those skilled in the art.

I now claim:

1. In a combination of the class described, a substantially rectangular supporting frame, a tie carrying frame comprising a pair of vertical strut portions and a horizontal connecting part, a pivot shaft supporting each vertical strut at its upper end on said supporting frame for pivotal movement relatively to the upper end of the sides of said supporting frame with said horizontal connecting part lying under the lower edge of said supporting frame when said tie carrying frame is in a normal gravity urged vertical position, a series of necktie support pins extending from each side of each strut in parallel relation to the pivot axis of said vertical struts on said supporting frame, and means on said supporting frame coacting with a part of said tie carrying frame for holding said tie carrying frame in tilted pivoted positions relatively to said supporting frame.

2. In a combination of the class described, a substantially rectangular supporting frame, a tie carrying frame comprising a pair of vertical strut portions and a horizontal connecting part, a horizontal shaft extending through the upper end of

said supporting frame and through the upper end of each vertical strut to support said tie carrying frame for pivotal movement relatively to said supporting frame with said horizontal connecting part lying under the lower edge of said supporting frame when said tie carrying frame is in a normal gravity urged vertical position, a series of necktie support pins extending from each side of the strut in parallel relation to the pivot axis of said vertical struts on said supporting frame, and means on said supporting frame coacting with means on said tie carrying frame for holding said tie carrying frame in tilted pivoted positions relatively to said supporting frame.

3. In a combination of the class described, a substantially rectangular supporting frame, a tie carrying frame comprising a pair of vertical strut portions and a horizontal connecting part, a horizontal shaft extending through the upper end of said supporting frame and through the upper end of each vertical strut to support said tie carrying frame for pivotal movement relatively to said supporting frame with said horizontal connecting part lying under the lower edge of said supporting frame when said tie carrying frame is in a normal gravity urged vertical position, a series of necktie support pins extending from each side of the strut in parallel relation to the pivot axis of said vertical struts on said supporting frame, and yielding means on said supporting frame coacting with means on said horizontal shaft for holding said tie carrying frame in tilted pivoted positions relatively to said supporting frame.

4. In a combination of the class described, a substantially rectangular supporting frame, a tie carrying frame comprising a pair of vertical strut portions and a horizontal connecting part, a horizontal shaft extending through the upper end of said supporting frame and through the upper end of each vertical strut to support said tie carrying frame for pivotal movement relatively to said supporting frame with said horizontal connecting part lying under the lower edge of said supporting frame when said tie carrying frame is in a normal gravity urged vertical position, a series of necktie support pins extending from each side of each strut in parallel relation to the pivot axis of said vertical struts on said supporting frame, and yielding means on said supporting frame coacting with a part of said horizontal shaft for holding said tie carrying frame in tilted pivoted positions relatively to said supporting frame.

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