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A. GLADSTONE ET AL

2,210,120

TIE RACK

Filed April 6, 1938

Fig. 1.

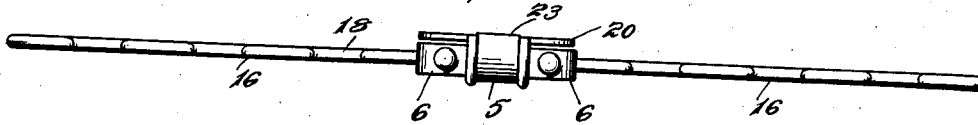


Fig. 2.

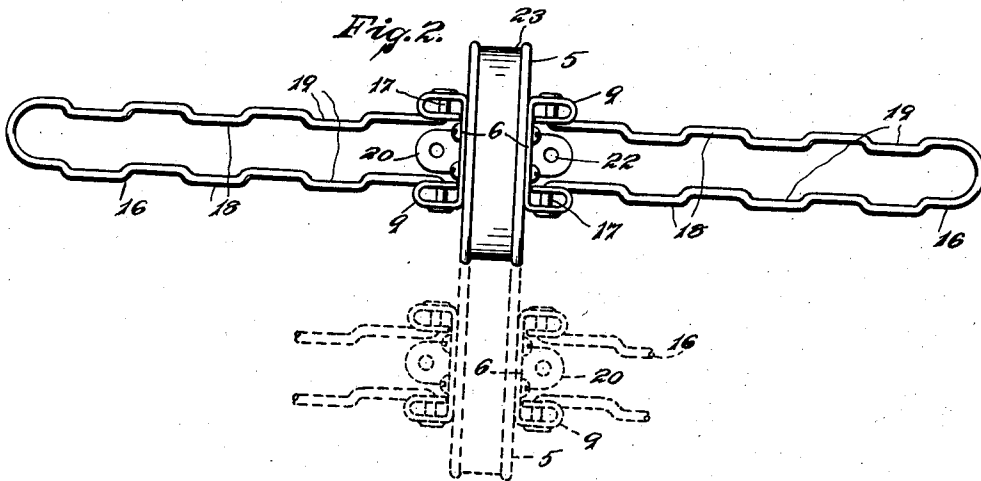


Fig. 3.

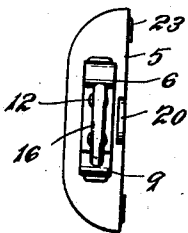


Fig. 4.

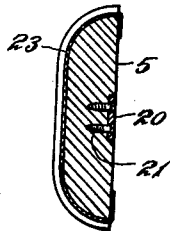


Fig. 5.

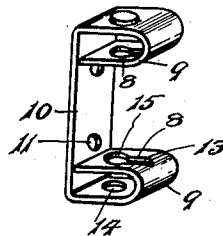
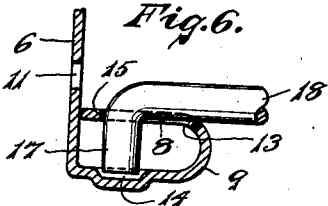


Fig. 6.



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## UNITED STATES PATENT OFFICE

2,210,120

## TIE RACK

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Application April 6, 1938, Serial No. 200,358

5 Claims. (Cl. 211-96)

This invention relates to tie racks and an object thereof is to provide a rack for neckties which is attractive in appearance, convenient to use and economical to manufacture.

5 A further object is to provide such a device which is so designed that it can be produced in single or multiple units, by simply changing a single member, and which will fit close to the wall on which it is mounted while still rendering it very convenient to use the same.

10 Further objects and advantages of our invention will be clearly understood from the following description and from the drawing in which:

15 Figure 1 is a top view of a tie rack embodying our invention.

Figure 2 is a front view of the same showing, in dotted lines, the manner in which the device may be constructed as a double or multiple unit.

20 Figure 3 is a side view, in elevation.

Figure 4 is a view in central vertical section thereof.

Figure 5 is a perspective view of one of the supporting brackets.

25 Figure 6 is a fragmentary view, on an enlarged scale, illustrating the manner in which the hangers are connected to supporting brackets.

In the embodiment shown in the drawing, our improved tie rack comprises a base in the form of a bar 5 to which is attached, at opposite sides thereof, a supporting bracket 6. The supporting brackets each consist of an elongated strip of metal which is provided with key apertures 8 adjacent the ends thereof. The end portions of said strip are bent into an inverted U-shape, as at 9, and extend laterally from the central portion 10 of said brackets which is provided with openings 11 for securing said brackets to the base 5 by means of screws 12.

40 The said key apertures extend outwardly from said bracket and the elongated portion 13 of each aperture, curves for a distance with the bend of the U-shaped portions 9. Recesses 14 are formed in the sides of said U-shaped portions opposite the round portions 15 of the key apertures.

45 U-shaped wire hangers 16 are mounted to each of the said brackets by means of trunnions 17 which extend from the prongs 18 of the hangers and through the round portion 15 in the opposite key apertures in the supporting brackets.

50 The trunnions 17 are kept securely in engagement with the opposite portions of the supporting brackets by means of spring tension in the hangers 16 which tends to force the

prongs away from each other. This tension serves to force the portions of said prongs, adjacent the trunnions, into the elongated portions 13 of the key apertures and thereby position the hangers laterally in relation to the brackets.

5 It will be noted that we have provided notches 19, in the opposite prongs of the hangers, which are formed therein by staggering the wire from which the said hangers are made. The notches in the opposite prongs of said hangers are in alignment and provide for retaining neckties, which are hung on said hangers, from becoming laterally displaced thereon. The base 5 is provided with a groove, in the rear surface thereof, into which fits a supporting plate 20; the said 15 plate being attached to said base by means of screws 21 which extend therethrough. Apertures 22 are also provided, adjacent the ends of said plate, so that the entire rack may be mounted upon a wall by means of screws projecting 20 through the said apertures.

In the embodiment shown, the base 5 is preferably grooved to receive a strip of metal 23 which is secured thereto by having its ends turned over, as clearly illustrated in Figure 4. 25 The said strip of metal is purely for ornamental purposes as it adds to the appearance of our improved rack. As illustrated in Figure 2, the base 5 may be extended in length, as shown in dotted lines, to receive any desired number of supporting brackets on the opposite sides thereof, and thereby form multiple units as may be desired.

30 In the use of our invention, when it is desired to hang or remove neckties from the rack, the hangers 16 can be easily swung away from the wall, so as to render it convenient to handle the ties and then returned to their position adjacent to the wall. They will be retained in said position by means of the spring tension in the prongs 18 which will force the said prongs into the portions 13 of the key apertures 8. 40

Our invention is also of particular advantage in that the hangers 16 may be completely removed from the bracket on the wall when it is desired to arrange the ties thereon or insert some of the ties between the prongs and hang them on the lower prong. At such times, the prongs of the hanger are simply drawn together to remove the prongs from the apertures 8 in the supporting brackets 6; thus permitting the renewal of the hanger. The prongs 17 of said hanger may be permitted to spread apart to a diverging position, by reason of the spring tension in the wire material forming the hanger. 55

The ties may then be arranged on the said hanger in the notches 19, thereof, of both the upper and lower prongs, after which the hanger may be re-attached to the bracket by forcing the prongs together and allowing them to spring the trunnions through the apertures 8.

It will be noted that, when said trunnions 17 are in position in the apertures 8 of the supporting brackets, the ends of said trunnions extend into the recesses 14. This conceals the ends of said trunnions from sight and serves to improve the appearance of the entire device, since the ends of wire, such as forming the trunnions 17, are usually rough and do not present a finished appearance to the article.

We claim:

1. A tie rack of the character described comprising a base having a bracket secured thereto and a U-shaped wire hanger comprising parallel bars having oppositely extending trunnions for mounting the hanger to said bracket; the said bracket comprising an elongated strip vertically mounted upon said base and having the opposite ends thereof extending laterally from said base and bent back towards said base to form U-shaped parallel extensions, each of said extensions having a key aperture therein to receive one of said trunnions; said aperture having an extension adapted to receive a portion of one of said bars and thereby retain said hanger in a pre-determined position with relation to said bracket.

2. A tie rack of the character described comprising a vertically disposed elongated base having extensions at the sides thereof for securing the same to a wall, parallel sides on said base, a bracket secured to each of said sides; each of said brackets comprising an elongated member having the ends thereof bent to form inverted U-shaped portions oppositely extending from the sides of said base, one side of each of said U-shaped portion having an elongated aperture extending partly around the bend of said portion to provide a notch in said portion, a U-shaped wire hanger mounted to each of said brackets; said hanger having trunnions extending in opposite directions from the ends thereof; said apertures having an enlarged portion adapted to receive said trunnions to support said hangers and whereby a portion of said hangers will be received in said

notches to position the hanger with relation to said base.

3. For a tie rack of the character described comprising a base having a U-shaped wire hanger mounted thereon, a bracket adapted to be secured to said base for supporting said hanger; said bracket comprising an elongated strip having the ends thereof bent to form inverted U-shaped portions extending at opposite ends thereof with the free sides of said portions extending inwardly on said bracket, the said sides having an elongated aperture therein extending partly around the bend in said portion to provide a notch adapted to receive a portion of said hanger to retain the same in position with relation to said bracket and trunnions on said hanger extending through said apertures.

4. A tie rack of the character described comprising a base, a bracket on said base comprising an elongated strip having the end portions thereof bent at right angles thereto and each bent back toward said strip to form U-shaped extensions, a hanger having trunnions; the bent back portions of said extensions being each provided with an aperture adapted to receive one of said trunnions and at least one of said apertures having a reduced portion extending for a distance around the bend of the U-shaped extension to receive a portion of said hanger for positioning the same with relation to said base when the trunnions thereof are inserted in said apertures; each of said U-shaped extensions having a recess for concealing from view the ends of said trunnions.

5. A tie rack of the character described comprising a base, a bracket on said base comprising an elongated strip having the end portions thereof bent at right angles thereto and each bent back toward said strip to form U-shaped extensions, a hanger having trunnions; the bent back portions of said extensions being each provided with an aperture adapted to receive one of said trunnions and at least one of said apertures having a reduced portion extending for a distance around the bend of the U-shaped extensions to receive a portion of said hanger for positioning the same with relation to said base when the trunnions thereof are inserted in said apertures.

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