

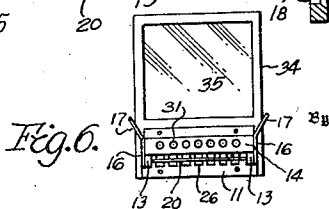
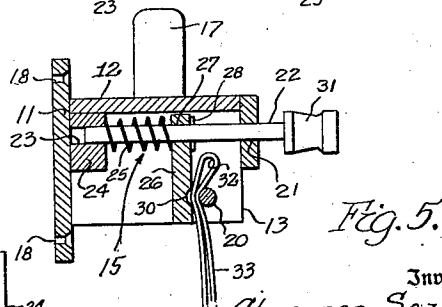
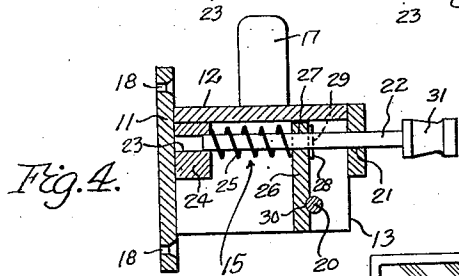
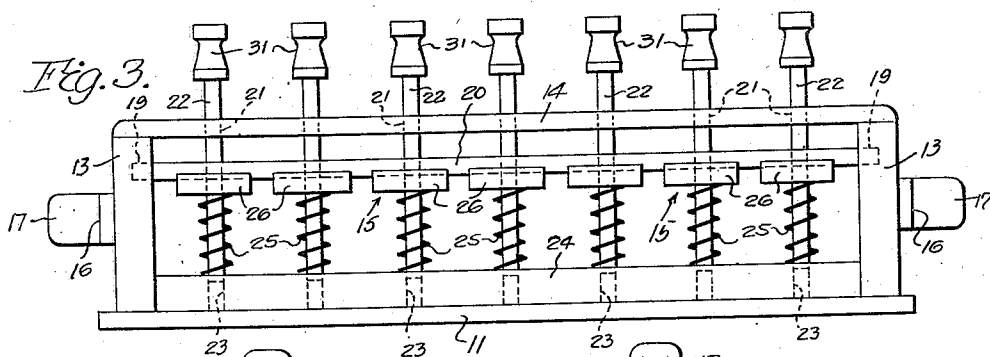
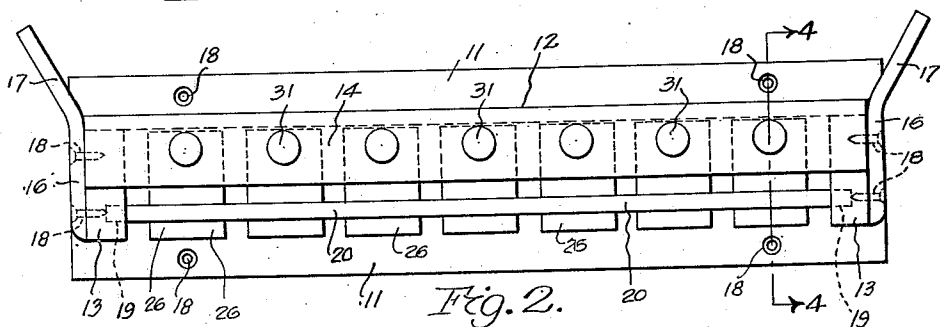
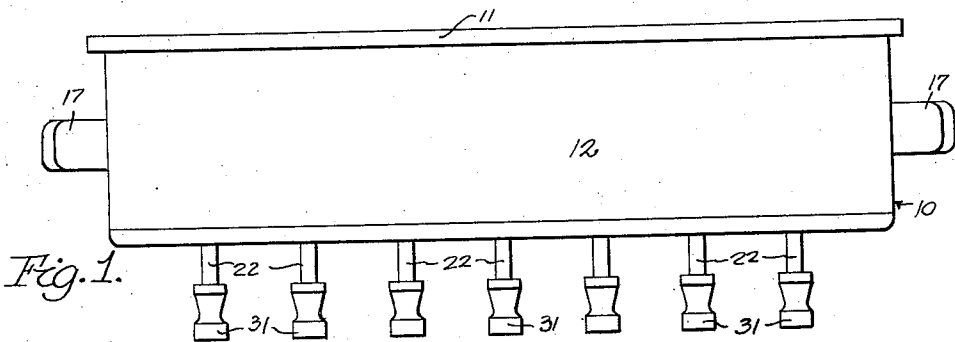
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C. SOVA

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TIE RACK

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Inventor
Clarence Sova
Barthel + Bugbe
Attorneys

UNITED STATES PATENT OFFICE

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TIE RACK

Clarence Sova, Windsor, Ontario, Canada

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This invention relates to article holders and in particular to necktie racks.

One object of this invention is to provide a necktie rack which will securely hold several neckties, any one of which can be released instantly at the will of the user, merely by pushing a knob.

Another object is to provide a necktie rack wherein the neckties are held against a support by individual plungers which may be operated one by one to release the tie desired by the user.

Another object is to provide a necktie rack as set forth in the preceding objects wherein the neckties are releasably held by spring-pressed plungers so that accidental release of the necktie is positively prevented yet a desired release of any necktie is instantly accomplished without releasing the remaining ties.

Another object is to provide a necktie rack as set forth in the preceding objects wherein care is unnecessary in inserting the necktie in the holder and wherein any portion of the neckties inserted in the holder is instantly yet releasably clamped in position.

Other objects and advantages of the invention will become apparent during the course of the following description of the accompanying drawings, wherein:

Figure 1 is a top plan view of a necktie rack according to a preferred form of the invention;

Figure 2 is a front elevation of the necktie rack shown in Figure 1;

Figure 3 is a bottom plan view of the necktie rack shown in Figures 1 and 2;

Figure 4 is a vertical cross-section taken along the line 4—4 in Figure 2, showing one of the necktie holders prior to insertion of a necktie;

Figure 5 is a view similar to Figure 4, but showing the necktie holder after a necktie has been inserted; and

Figure 6 is a front elevation of a modification having a mirror combined with the necktie rack.

Referring to the drawings in detail, Figure 1 shows a necktie rack, generally designated 10, according to a preferred form of the invention, as including a backboard 11 having a horizontal shelf 12 secured thereto and projecting therefrom in a forward direction. Secured to the backboard 11 immediately beneath the shelf 12 at its opposite ends are end members 13, these being interconnected at their front edges by a front member 14 which extends along the front edge of the shelf 12. Mounted in the space beneath the shelf 12 and between the backboard 11, and members 13 and front member 14, is a series

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of individual necktie holders, each generally designated 15. Secured to the end members 13 (Figure 2) are upwardly extending arms 16, the upper portions 17 of which are bent away from one another in upwardly inclined directions. The backboard 11 may be provided with holes 18 for attaching the necktie holder 10 to any suitable vertical surface, such as to a wall, door or piece of furniture.

The end members 13 are provided with inwardly facing sockets 19 for receiving the opposite ends of a rod or abutment 20 which serves as the abutment portion for the necktie holders 15, it being the member against which the neckties are held. The front member 14 is provided with a series of horizontally-spaced holes or bores 21 for receiving the necktie holder plunger rods 22, the inner ends of which enter bores 23 (Figure 4) in a bar 24, the bores 23 being co-axial with the holes 21. The bar 24 is mounted in the corner adjacent the shelf 12 and beneath the backboard 11 and extends between the two end members 13.

Surrounding each plunger rod 22 is a coil spring 25, the inner end of which is seated against the bar 24 and the outer end of which engages a block or clamp 26. Each block 26 is provided with a hole 27 aligned with the bore 23 and hole 21 and through which the plunger rod 22 passes. The blocks 26 are prevented from moving forward along the plunger rods 22 by any suitable means, such as by pins 28 extending through transverse holes 29 in the rods 22. Each block 26 is provided with a horizontal groove 30 at the point where it engages the rod or abutment 20 so that the one mates with the other. The outer end of each plunger rod 22 is provided with a knob 31.

In the operation of the invention, to insert a necktie in one of the holders 15 of the necktie rack 10, the user places his finger upon one of the push buttons 31, pressing it inward (Figure 5) while at the same time, with his other hand, he inserts the top portion 32 of a folded necktie 33 into the gap thus created between the rod 20 and the groove 30 in the block 26. He then releases the knob 31 whereupon the coil spring 25 causes the block 26 to push the necktie 33 firmly against the rod 20, so that the upper portion 32 of the necktie is clamped firmly between the rod 20 and the groove 30. The user repeats this operation for each of the necktie holders 15, inserting the upper portion of a folded necktie in front of each block 26 until all of the neckties have been inserted.

To remove a necktie from one of the holders 15,

the user selects the particular necktie which he desires and grasps it in one hand while he depresses the push button 31 thereof with the other hand. This action pushes the block 26 backward, compressing the coil spring 25 and opening up a gap between the groove 30 and the rod 20. The upper portion 32 of the necktie 33, thus unclamped, drops through this gap and is released. The shelf 12 serves not only to conceal the mechanism of the necktie holders 15, but also serves as a shelf for holding a brush, comb or other toilet articles. The arms 16, 17 also serves as hooks on which neckties or other articles may be temporarily hung.

The modification shown in Figure 6 utilizes the same necktie rack 10 as before, but a mirror 35 is mounted in the frame 34 to assist the user in tying his necktie.

What I claim is:

1. A necktie rack comprising a support, an abutment secured to the forward portion of said support, a plunger reciprocably mounted in bores in said support, a necktie clamp mounted on said plunger and movable forwardly into engagement with said abutment, and a spring mounted on and urging said plunger in a direction effecting engagement of said clamp with said abutment.

2. A necktie rack comprising a supporting structure, a substantially horizontal abutment extending across and connected to the forward portion of said structure, a plunger reciprocably mounted in bores in said structure for motion substantially perpendicular to and forwardly toward said abutment, a necktie clamp mounted on said plunger and movable forwardly therewith into engagement with said abutment, and a forwardly movable member engaging and urging said plunger in a forward direction toward said abutment.

3. A necktie rack comprising a supporting structure, a substantially horizontal abutment extending across and connected to the forward portion of said structure, a plunger reciprocably mounted in bores in said structure for motion substantially perpendicular to and forwardly toward said abutment, a necktie clamp mounted on said plunger and movable forwardly therewith

into engagement with said abutment, and a resilient member connected to said plunger and urging said plunger in a forward direction toward said abutment and effecting engagement of said clamp with said abutment.

4. A necktie rack comprising a supporting structure, a substantially horizontal rod extending across and connected to said structure, a plurality of plungers reciprocably mounted in bores in said structure for motion substantially perpendicular to said rod, a necktie clamp mounted on each plunger and engageable with said rod, and a resilient member mounted on and engaging each plunger for urging said plunger in a direction effecting engagement of each clamp with said rod.

5. A necktie rack comprising a supporting structure including a backboard having a horizontal shelf secured thereto and projecting therefrom in a forward direction, a front member secured to the front edge of said shelf and extending downwardly therefrom, a substantially horizontal abutment extending across the forward portion of and secured to said structure beneath said shelf, a plurality of plungers reciprocably mounted in bores in said structure for motion substantially perpendicular to said abutment, a necktie clamp mounted on each plunger and engageable with said abutment, and a resilient member mounted on and urging each plunger forwardly toward said abutment and effecting engagement of each clamp with said abutment.

CLARENCE SOVA.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
458,009	Armstrong	Aug. 18, 1891
601,669	McIllyar	Apr. 5, 1898
1,560,191	Allen	Nov. 3, 1925
2,143,119	Waring	Jan. 10, 1939
2,191,022	La Veau	Feb. 20, 1940
2,209,953	Youngquist	Aug. 6, 1940
2,415,637	Jones	Feb. 11, 1947