

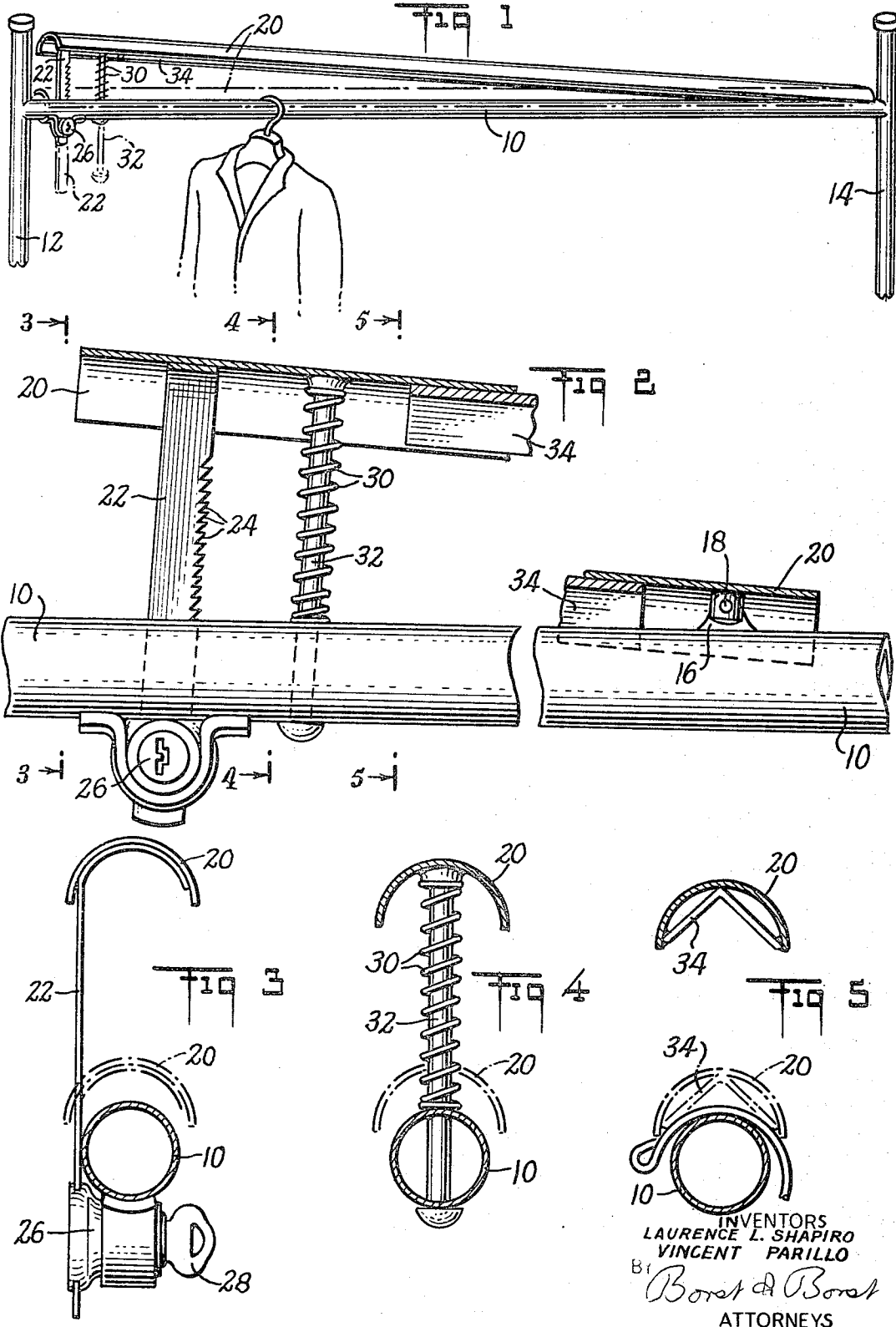
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HANGER BAR LOCK

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HANGER BAR LOCK

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1 Claim. (Cl. 211—7)

ABSTRACT OF THE DISCLOSURE

A security device comprising a bar which supports a plurality of garment hangers and an elongated guard rail pivotally supported on the bar into and out of engagement with the garment hangers.

The pivot point is at one end of the bar and a locking device is disposed at the other end. A compression spring connecting the rail to the bar is mounted between the pivot and the locking device. The guard rail has an internal cavity within which is disposed a V-shaped support member.

This invention relates to security devices and more particularly to devices for securing garment hangers in place on a display case support bar.

According to the present invention, there is provided a guard rail juxtaposed to a hanger bar in such a manner that hangers suspended from the bar may not be removed either singly or collectively while the rail is in locking position but are removable collectively, if desired, or individually when the rail is raised from locking position. It is frequently necessary in department store show cases to change garment displays, the individual units of which are hung from separate hangers. It may be appreciated that this procedure requires inordinate time if each hanger must be separately suspended within the case. Means for individually securing the hangers against unwanted removal from the display case are known. Such means, however, prevent collective removal and assembly of the hangers within the case. It is the special advantage of the present invention that there is provided a hanger security device which allows such collective removal and assembly, thereby contributing to the efficiency of department store employees and to that extent of the over-all efficiency of store operation while concurrently providing against loss due to theft and negligence.

One object of the invention is to provide a garment hanger security device which as a single unit locks as many hangers as are required to a support bar within a display case.

Other objects and advantages of the invention may be appreciated on reading the following description of an embodiment thereof which is taken in conjunction with the accompanying drawings, in which:

FIG. 1 is a perspective view showing the complete hanger bar security device;

FIG. 2 is an enlarged fragmentary view showing principally the locking and other control features associated with the guard rail;

FIG. 3 is a section taken on the line 3—3 of FIG. 2, the locking position of the guard rail being shown in dotted line;

FIG. 4 is a similar section but taken on line 4—4 of FIG. 2; and

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FIG. 5 is a similar section but taken on line 5—5 of FIG. 2.

Referring to the drawings, hanger bar 10 is supported between a pair of upright members 12 and 14. To one end of the bar 10 is secured pivot supports 16 through which there is extended pivot pin 18 provided underneath guard rail 20 proximate the member 14.

Secured to and depending from the other end of the guard rail 20 is slide bolt 22 having ratchet teeth 24 formed in one longitudinal edge thereof. Show case lock 26 operated by key 28 is mounted on the bottom of the bar 10 being positioned to slidably receive bolt 22. An internal locking pin (not shown) is adapted to engage the teeth 24 for locking purposes. In its locking position, the bolt 22 extends through the lock to its extreme down position as shown in dotted lines in FIG. 1. In this position the concavity of the rail 20 lies nearly flush on the hanger bar impinging in locking position on the hooks of hangers being supported thereby.

Extending between the guard rail and the hanger bar is compression spring 30 mounted on slide post 32 which depends from the rail 20 and slidably extends through the bar 10. When the rail is in locking position, the post extends to its farthest point below the bar as shown in dotted line position in FIG. 1. The spring is used to urge the rail to open position opening the lock 26. This feature enables the user to use both hands when removing and assembling hangers on the bar due to the fact that the rail is raised automatically on opening lock 26 which is an important convenience to the person with the responsibility for making display changes.

As shown in FIG. 5, the rail is strengthened inside its concavity by V member 34 to prevent forced distortion of the rail and thereby enable unwanted removal of the hangers from the bar when the guard rail is in locked position.

It is clear that various modifications in the structure could be effected by persons skilled in the art without departing from the scope and principle of the invention as defined in the appended claim.

What is claimed is:

1. A garment hanger security device comprising a hanger bar, a guard rail extending substantially the longitudinal length of said hanger bar being pivotally supported thereon, means for biasing said guard rail into open position relative to the bar, said guard rail having an internal concavity, a V-shaped support member disposed in said concavity, and locking means for securing said guard rail in locking position with respect to said hanger bar.

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