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L. V. LUCIA

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FASTENER

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Fig. 1.

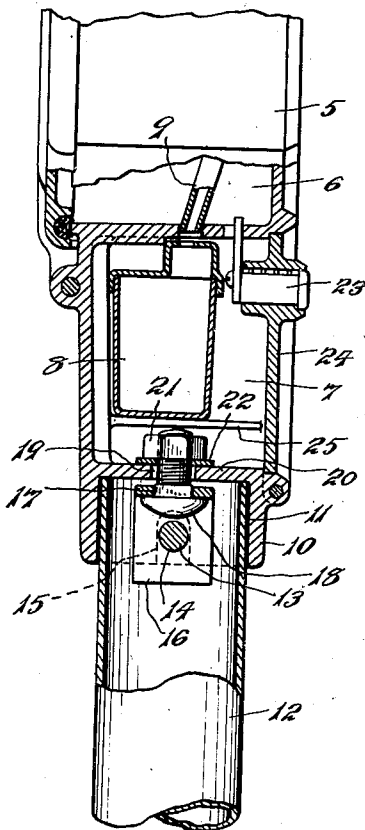


Fig. 2.

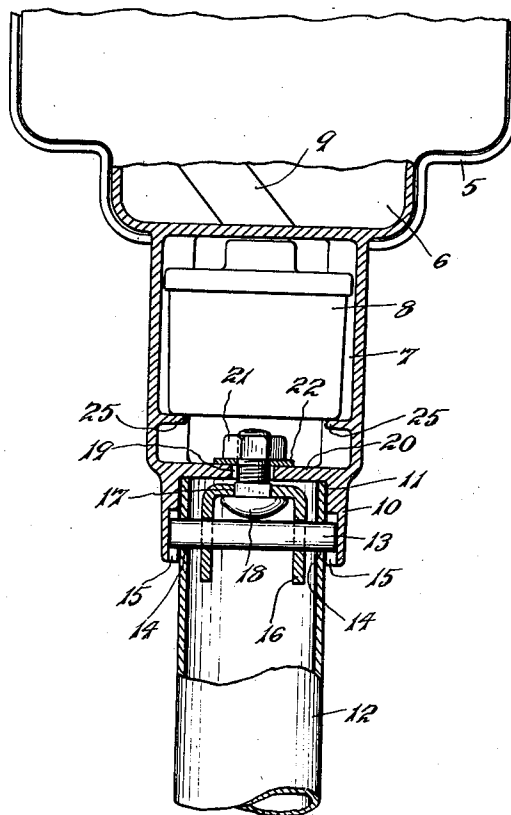
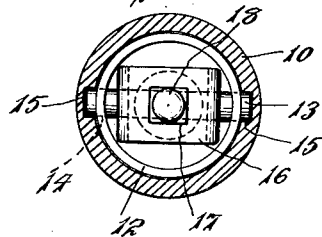


Fig. 3.



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FASTENER

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4 Claims. (Cl. 248—176)

This invention relates to fasteners and more particularly to means for attaching an instrument case to a post.

An object of this invention is to provide a fastener which is particularly adapted for fastening the case of a parking meter to the top of a post.

A further object is to provide such a fastener which is economical to construct, easy to use and by means of which, cases containing parking meters may be interchangeably and firmly mounted upon the top of a post by a single and quick operation.

A still further object is to provide a fastener which is durable, tamper-proof and inaccessible except to authorized persons.

Further objects as well as advantages of my invention will be clearly understood from the following description and from the accompanying drawing in which:

Figure 1 is a side view, partly in section, showing a parking meter case attached to a post by means of my improved fastener.

Figure 2 is a front view of the same also partly in section.

Figure 3 is a plan view of the post with my improved fastener attached thereto and showing a portion of the case in section.

As illustrated in the drawing, the numeral 5 denotes a case of a particular construction used for parking meters. Said case comprises a main compartment 6, in which the meter mechanism is housed, and a lower compartment 7 in which is contained a coin receptacle 8 adapted to receive coins delivered thereto through a coin chute 9. Said case 5 is provided at its lower portion with a depending wall 10 forming a socket 11 which is adapted to receive the end of a post, or standard, 12 upon which the casing 5 is mounted.

My improved fastener comprises a bar 13 which extends through oppositely disposed apertures 14—14 near the top of said post. The ends of said bar project beyond the outer surface of the said post and fit into recesses 15—15 which are located in the side walls of the socket 11 and are open at the bottom edge of said wall 10.

Said bar 13 also extends through apertures in the opposite sides of a U-shaped connecting member 16 which is invertedly mounted on said shaft and which has a square opening 17 in the top thereof through which a carriage bolt 18, of common form, extends. The head of said bolt is positioned between a portion of said U-shaped member and said bar 13, which is parallel therewith, and is retained in vertical position by means of

the U-shaped member 16 and the bar 13 substantially on the axis of the post 12 by means of the depending portions of the member 16 which fit within the post 12 with their edges close to the wall thereof, as may be clearly seen from Figure 3 of the drawing.

When said bolt 18 is in said position, the threaded portion thereof extends above the top of the post 12, through an aperture 19 in the bottom wall 20 of the case 5, and into the compartment 7.

From the above description it will be clearly understood, that the casing 5 may be readily attached to the post 12 by simply placing the same over the top of said post and fastening it thereon by means of a nut 21 which is threaded to the bolt 18 over a washer 22. The engagement of the ends of the bar 13 with the recesses 15—15 will prevent turning of the case 5 on the post if an attempt is made to loosen the nut 21. Therefore, when the case is thus attached to the post it is practically impossible for an unauthorized person to remove the same therefrom without having access to the compartment 7 by means of a key fitting the lock 23 in the door 24 of said compartment. An authorized person, who is provided with such a key, may easily detach the case from the post by simply opening the door 24 and unscrewing the nut 21.

It will be noted that the coin box 8 is mounted upon ledges 25—25 in the side walls of a compartment 7 and held thereby above and spaced from the top of the bolt 18. Thus said bolt will not interfere with the proper positioning of the coin box in the compartment 7 and the coin box may be easily removed from said compartment when it is desired to unscrew the nut 21 from the bolt for the purpose of unfastening the case to remove it from the post.

It will be clearly understood from the above description and from the accompanying drawing that, I have provided a new fastening device which is especially adapted for and offers novel advantages in fastening a casing to the end of a supporting post.

Furthermore, it will be clearly seen that, by the novel construction of my invention, all of the parts comprising the fastener are concealed from the weather, and the depending wall 10 retains the bar 13 in position so that it cannot be removed from the post until the case 5 has first been dismounted therefrom. At the same time, said wall 10 provides a cap over the top of the post 12 which prevents snow or rain from entering therein and thereby also prevent the formation of ice which

heretofore has been found to cause considerable damage to the connections between such cases and post.

While I have shown one embodiment of my invention which is particularly adapted for parking meter cases, it is to be understood that my improved fastener may be adapted to cases of other types and which are intended for other purposes without departing from the scope of my invention as set forth in the appended claims.

I claim:

1. In combination with a casing and a supporting member therefor, fastening means for securing said casing to said supporting member comprising a socket in said casing adapted to receive the end of said supporting member, a connector, an anchoring bar extending through said support and connector and having the ends thereof extending beyond the outer surface of said support and adapted to be received in said socket in a manner whereby rotation between said casing and support is prevented and means upon said connector for securing the same to said casing.

2. In means for attaching a member to a support, a socket in said member adapted to receive the end of said support, a recess in the wall of said socket, a connector, a bar for securing said connector to said support and adapted to cooperate with said recess to prevent rotational movement between the said member and support, and means extending between said connector and member for fastening said member to said support.

3. Fastening means for fastening a member upon a support; said means comprising a connector adjacent the top of said support, an anchoring bar extending through said support and connector with its ends projecting beyond the said support; the said member having a socket adapted to receive the end portion of said support and said anchoring bar and including recesses in the walls of said socket adapted to receive the projecting ends of said anchoring bar and thereby prevent rotational movement between said support and member, and threaded means extending between said connector and member for fastening said member to said support.

4. In means for fastening a member to a tubular support, an inverted U-shaped connecting member fitting within said support adjacent the top end thereof, an anchoring bar extending through said support, a U-shaped member with its ends projecting beyond the outside of said support, a wall depending from said member and forming a socket therein adapted to receive the said end portion of the support and having recesses to receive the projecting ends of said anchoring bar for preventing rotational movement between said member and support, a bolt secured to said U-shaped member and retained thereon by said anchoring bar; the said bolt extending through an opening in said member and having means connectable thereto for fastening said member to said support.

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