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PARKING METER MOUNTING

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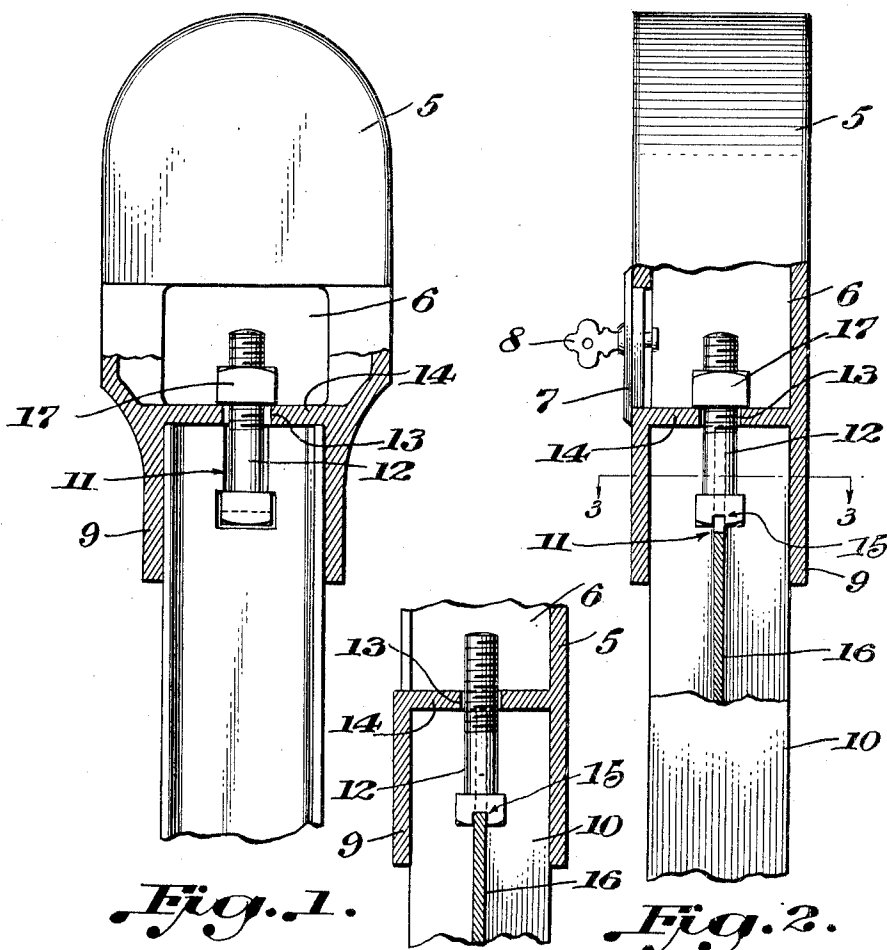


Fig. 1.

Fig. 2.

Fig. 5.

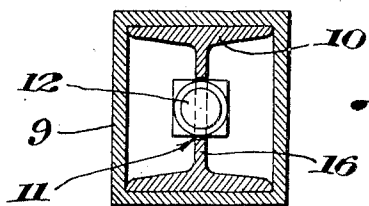


Fig. 3.

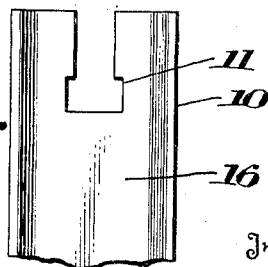


Fig. 4.

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PARKING METER MOUNTING

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5 Claims. (Cl. 248—203)

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The invention relates generally to mounting devices and more particularly to mounting devices especially adaptable for supporting parking meters in a manner assuring against unauthorized removal.

In the use of the parking meters now extensively employed in cities in an effort to render more equitably available the limited parking spaces, problems have been presented by theft and vandalism, as by removal as a whole of the parking meters from the standards upon which they are mounted, and it has been found that the tubular mountings customarily employed not only are relatively costly but also are subject to objectionable inside corrosion. It is an object of the present invention to provide a novel parking meter mounting which is simple and inexpensive to manufacture, avoids the use of closed tubular supporting standards and the objectionable internal corrosion incidental thereto, and includes novel securing means which will permit easy removal of the meter by properly authorized persons, but will defy attempts at removal by unauthorized persons.

In its more detailed nature the invention resides in providing a novel parking meter mounting in which the meter includes an interior accessible only through a locked door, and a depending socket mountable over the upper end of a supporting standard, the meter being secured upon the standard through the medium of an attaching element having connection with the standard and passing upwardly through a floor portion of the meter into the interior thereof, and there being included securing means connected with the attaching element and accessible only in the locked interior of the meter.

An object of the invention is to provide a mounting of the character stated in which the attaching element is in the form of a bolt removably connected with a web of the standard within the confines of the socket, and a nut removably mounted on the bolt within the locked interior of the meter.

Another object of the invention is to provide a mounting of the character stated in which the standard is in the form of an H-beam and the bolt is removably mounted and confined against rotation in a T-slot formed in the center web of said standard.

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With the above and other objects in view that will hereinafter appear, the nature of the invention will be more clearly understood by reference to the following detailed description, the appended claims, and the several views illustrated in the accompanying drawing.

In the drawings:

Figure 1 is a rear face view illustrating the invention, parts being broken away and in section.

Figure 2 is a central vertical cross section showing the parts illustrated in Figure 1.

Figure 3 is a horizontal section taken on the line 3—3 on Figure 2.

Figure 4 is a fragmentary face view illustrating the top portion of the H-beam supporting standard.

Figure 5 is a fragmentary view like Figure 2 showing the partial assembly of the mounting with the bolt head resting on the H-beam web.

In the drawing in which like numeral reference characters indicate like parts in all of the figures, there is shown a conventional form of parking meter generally designated 5 and which has the interior 6 thereof in which the indicating devices (not shown) are mounted, and into which the coins fall accessible through a removable lock door 7. The door may be releasable by properly authorized persons through manipulation of a suitable key 8.

The meter casing is provided with a depending rectangular mounting socket 9 receivable upon the upper end of an H-beam standard 10. The center web of the standard is provided with an inverted T-slot which extends through the upper extremity thereof in the manner clearly illustrated in Figure 4. The slot 11 is adapted to removably receive a securing bolt 12 with the upper end thereof extended above the slot and passing through an aperture 13 in the floor portion 14 of the meter head. The interior portion of the meter head into which the upper end extremity of the bolt extends is accessible only through the lock door 7.

In the mounting of the meter head the slot 15 of the bolt head receives the upper edge extremity of the web 16 of the standard with the upper end of the bolt extending into the interior of the meter casing in the manner clearly illustrated in Figure 5. It is to be assumed, of course, that the lock door 7 has been removed

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or swung away so as to make the interior of the meter casing accessible. The securing nut 17 is then applied to the bolt and turned home to draw up the bolt and tightly secure the meter casing on the upper end extremity of the standard 10. As the nut is tightened the bolt is lifted until the slot in its head clears the standard web and the shoulder of the bolt head tightly engages the corners of the T-slot 11. The resting of the bolt head slot 15 over the web greatly facilitates the initial handling of the assembly, and the engagement of the bolt head in the T-slot holds the same against free rotation during the securing of the nut.

It will also be apparent that the standard receiving socket of the meter casing extends well below the lower extremity of the T-slot 11 so as to hide the same from view and frustrate tampering. The securing bolt 12 is so placed within the skirt web slot and the casing socket 9 that it would be impossible for a vandal to reach the same with a hammer, saw or other tool in an effort to destroy or release the mounting securing devices. On the other hand, it is a very simple matter for an authorized person to manipulate the key 8 and remove the access obstructing door 7, after which the nut 17 may be readily removed to free the bolt and permit the removal of the meter from the supporting standard 10.

While one form of the invention has been shown for purposes of illustration, it is to be clearly understood that various changes in the details of construction and arrangement of parts may be made without departing from the spirit and scope of the invention as defined in the appended claims.

I claim:

1. In a parking meter mounting, a supporting standard including an uprightly disposed web, a parking meter having a depending socket mountable over the upper end of the standard and an interior accessible only through a locked door and defined in part by a floor portion, and means for securing the meter to the standard and including an attaching element connected with the web and passing upwardly through the floor portion and a removable securing element attached to the attaching element and accessible only in the locked interior of the meter.

2. In a parking meter mounting, a supporting standard, a parking meter having a depending socket mountable over the upper end of the standard and an interior accessible only through a locked door and defined in part by a floor portion, a unitary attaching bolt member directly connected with the standard and passing upwardly through said floor portion into the interior of the meter, and a securing nut on said bolt member accessible for removal only in the locked interior of the meter.

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3. In a parking meter mounting, a supporting standard including an uprightly disposed web, a parking meter having a depending socket mountable over the upper end of the standard and an interior accessible only through a locked door and defined in part by a floor portion, and means for securing the meter to the standard and including a unitary attaching bolt directly connected with the web and passing upwardly through said floor portion into the interior of the meter, and a securing nut on said bolt member accessible for removal only in the locked interior of the meter.

4. In a parking meter mounting, an H-beam supporting standard having an inverted T-shaped slot in the upper end extremity of its center web, a parking meter having a depending socket mountable over the upper end of the standard and of a depth great enough to extend below said slot, said meter also having an interior accessible only through a locked door and defined in part by a bottom portion, and attaching bolt having its head confined against rotation in the T-head of said slot and its shank extending upwardly through the slot standard and the bottom portion into the interior of the meter, and a securing nut removably secured on said bolt within said meter interior.

5. In a parking meter mounting, an H-beam supporting standard having an inverted T-shaped slot in the upper end extremity of its center web, a parking meter having a depending socket mountable over the upper end of the standard and of a depth great enough to extend below said slot, said meter also having an interior accessible only through a locked door and defined in part by a bottom portion, an attaching bolt having its head confined against rotation in the T-head of said slot and its shank extending upwardly through the slot standard and the bottom portion into the interior of the meter, and a securing nut removably secured on said bolt within said meter interior, said bolt head having a slot therein in which the standard web portion in part defining the head of the T-slot is receivable.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
600,903	Winters	Mar. 22, 1898
1,043,986	Mason	Dec. 31, 1912
1,472,527	Jones	Oct. 30, 1923
1,837,501	Sunnes	Dec. 22, 1931
2,189,495	Lucia	Feb. 6, 1940