ADVERTISING SIGN DISPLAY BOX

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ADVERTISING SIGN DISPLAY BOX

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2 Claims. (Cl. 40—145)

This invention relates to advertising sign display boxes adapted to be supported on parking meter standards. Heretofore some attention has been given to boxes of this type, but so far as I know no adequate means has been provided for easy assembly, installation and removal of the boxes from parking meter standards. The insertion and removal of the advertising cards, also, has created a problem.

In view of the foregoing, one of the objects of my invention is to provide a sign display box for parking meter standards which can be installed on the standard supporting the parking meter, and removed therefrom with the parking meter in place at the top of the standard and without disturbing it;

Another object is to provide a sign display box which may be easily and cheaply made of metal or other durable materials, and may be easily and quickly assembled in place on vertical parking meter standards;

Another object is to provide a display box, as above stated, which is mechanically sturdy and weather proof and having weather proof windows secured in place by key screws;

Another object is to provide a box of this type which, when fully assembled, cannot be removed without the use of a proper key; and having sign viewing panels adapted to easy sliding removal and replacement, and with means in the body of said case for locking said panels in place by means of a key screw, operated by a specially formed key.

Other objects will appear hereinafter.

I attain the foregoing objects by means of the devices and the construction illustrated in the accompanying drawings, in which—

Figure 1 is a front elevational view of a sign display box embodying my improvements and attached to a meter box standard below the meter box;

Figure 2, an elevational view of the back half of the box with the front removed.

Figure 3 is a perspective view of one part of the box case showing the interior thereof and drawn on an enlarged scale;

Figure 4, a side elevational view of the box with a portion of the wall cut away to show interior construction; and

Figure 5 is a fragmentary section of a portion of one side of the case bottom showing details of the display panel lock screw and a key for use therein.

Similar numerals refer to similar parts in the several views:
The box body 2 is composed of two similarly formed complementary halves 3 and 4 which are preferably cast from light metal and are duplicates of each other. Body 2 fits on standard 5 below meter box 6 and is adapted to display sign 7 on panels 12.

Each body half is substantially rectangular in shape and has a perimetal enclosure or rim including a top end plate 8, a bottom end plate 9 and side plates 10. The outer portion has an opening 11 and is adapted to be closed by sign display panel 12.

The plates bounding opening 11 have inwardly extending flanges 13 along their outer edges forming a frame to enclose panel 12.

Grooves 14 are formed in the inner faces of these flanges and are dimensioned to receive the edges of panel 12 with an easy sliding fit. Along the outer edge of top end plate 8 a somewhat deeper flange 16 is formed. This is also provided with a groove 15 which is in the same plane as that of the side grooves. The bottom end flange 19 is provided with a slot 17. It is to be noted that this structure enables a display panel 12 to be inserted through slot 17 and slide up into opening 11 where it is retained in the frame composed of the top and side slots.

The inner edge 20 of the rim of each part abuts the corresponding edge of the other complementary case part. In the central portion of the end plate 8 of each case part a semi-circular notch 22 is formed. This notch mates with a corresponding notch in the complementary case part and both are shaped to fit closely around standard 5.

A similar semi-circular notch 24 is formed in the inner edge of the bottom end plate 9 of each case part. These notches mate in a position vertically aligned with the notches 22 in the top end plates of the two case parts and likewise fit around standard 5.

It is now to be noted that top end plate 8 is not flat but has a raised flat central portion and angularly downwardly and outwardly slanting side portions. This plate is shaped in this manner to shed rain and the like, and, obviously, may be made arcurate, if desired.

The two complementary case parts are held together by securing screws 25 extending through securing lugs 26 on one of said case parts and threaded into similarly positioned lugs in the opposite case part. These lugs are supported within the case parts by webs 28 whereby their
centers are within the boundary of inwardly extending flanges 13, so that screws 25 can easily be reached by a screw driver when panels 12 are removed from openings 11.

A positioning lug 27 is formed on the inner face of top end plate 8 adjacent the center of notch 22. This lug is drilled in alignment with the radius of the semi-circular notch and tapped to receive a set screw 18.

On bottom end plate 9 and adjacent the bottom of the notch therein is a similar lug 30. This lug is similarly drilled, tapped and provided with a set screw at 32. Directly below and aligned therewith is a tapped hole 34 which is adapted to receive a hollow headed locking screw 36.

The bottom flange 19 is provided with a broached key hole 31 which is aligned with hole 34. The key 38 which is adapted to fit into the head of screw 36 may have a hexagonal section, or any other non-circular section. The head of this screw has a hole adapted to receive this key. Likewise, key hole 31 is broached to have a hexagonal or other non-circular shape to just receive the end 40 of the key. The shank 39 of the key however is rounded and of reduced size so that it will turn freely in the key hole after it is inserted into the key hole and inserted in the hole in the head of screw 36.

When the display panels 12 are to be inserted through slots 17 the locking screws 38 are threaded into lugs 30 until their heads are flush with the inner face of slots 17. No obstruction is, therefore, offered to the insertion of the panels 12. However, when they are to be locked in place the keys 38 are screwed outward until they extend across slots 17 and therefore provide a complete obstruction to the withdrawal of the panels.

Panels 12 preferably are made of three layers. The outer layers 45 and 46 are made of transparent plastic material and the center layer 47 is of paper, card board, or other suitable material on which the display notice or advertising 48 is marked.

From the foregoing it will be readily understood that the two case halves 3 and 4 may easily be applied to the standard 5, without disturbing the meter box 6. To fasten the parts together around the standard it is only necessary to drive the four securing screws 25. The vertical position of the box body 2, thus formed may then be fixed by driving set screws 18 and 30. Thereafter the panels 12 are slid upward into position, closing openings 11, and locked in place by screwing locking screws 35 out into slots 17, in each of the case halves. The panels may be easily removed by a reverse procedure. Unauthorized removal of the panels is extremely difficult without a properly fitted key. Unless the key has a cross section shaped to fit into the broached key holes it cannot be inserted. Unless its end is properly fitted it will not enter the heads of the locking screws; and, unless the key shank has a rounded and reduced section it cannot turn in the keyhole.

Having now fully described my invention and explained its use I wish to be limited only by the claims.

I claim:

1. In a sign display box for installation on a parking meter standard composed of two mating complementary halves adapted to fit together to form a box body enclosing a parking meter standard, a box body half, including, a rim having side plates and top and bottom end plates having mating inner edges inwardly extending flanges having grooves on their inner edges formed on the outer edges of said top and side plates of said rim providing a display panel frame, a slot aligned with said grooves formed in the bottom plate of said rim adapted to admit a sign display panel to slide upward into said top and side grooves, securing lugs adapted to receive securing screws positioned within said rim and disposed adjacent the side plates thereof; notches adapted to receive a parking meter standard formed in vertically aligned positions on the inner edges of said top and bottom plates; positioning lugs within said case halves formed on the inner faces of said top and bottom plates adjacent the bottoms of said notches having set screws adapted to bear on a standard positioned in said notches, a panel locking screw threaded into said positioning lug on said bottom plate and adapted to screw outward therefrom across the slot in said bottom plate and a key hole broached to receive a key having a non-circular section formed in the outer portion of said lower plate and aligned with said locking screw.

2. A sign display case for attachment to parking meter standards comprising, in combination, a case body composed of a pair of mating halves having centrally disposed notches to receive a parking meter standard therebetween; screws and lugs therein adapted to secure said halves together; set screws within said case adapted to position said case on a parking meter standard; openings in the outer portions of said halves bordered on the top and sides by grooves adapted to receive the edges of a sign panel within each case half, and slots formed in the bottom of said case halves to slidably admit said sign panels to said grooves whereby said openings are closed; and a locking key screw adapted to extend across said slots to prevent withdrawal of said panels therefrom.

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REFERENCES CITED

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

UNITED STATES PATENTS

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<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,421,917</td>
<td>Williams</td>
<td>June 10, 1947</td>
</tr>
<tr>
<td>2,468,421</td>
<td>Williams</td>
<td>Apr. 26, 1949</td>
</tr>
</tbody>
</table>