O. P. MASON.

RECEPTACLE SUPPORTING DEVICE.

APPLICATION FILED AUG. 26, 1911.

1,048,986.

Patented Dec. 31, 1912.

Fig. 1

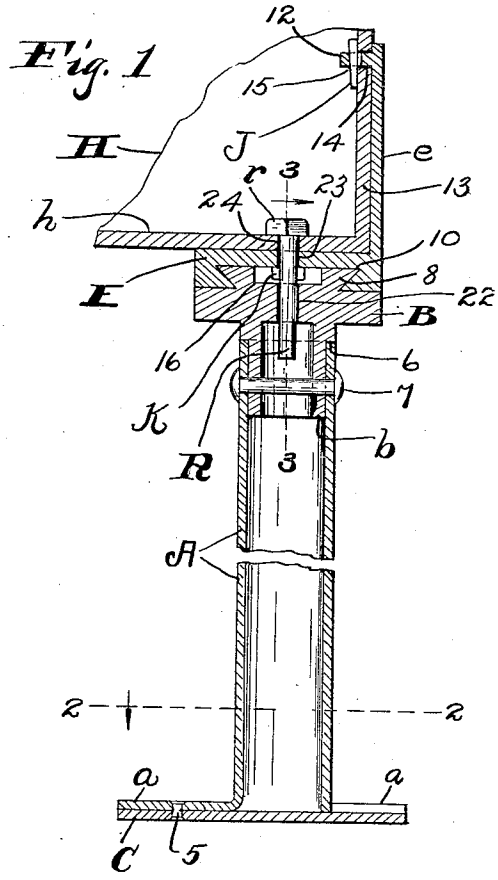


Fig. 2.

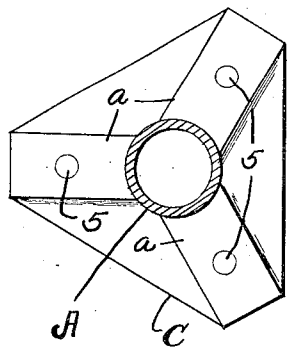
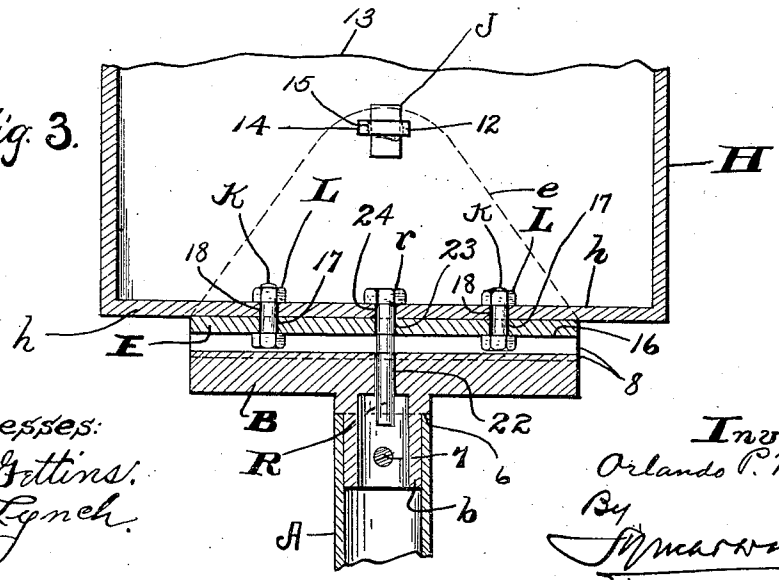


Fig. 3.



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RECEPTACLE-SUPPORTING DEVICE.

1,048,986. Specification of Letters Patent. Patented Dec. 31, 1912.

Application filed August 26, 1911. Serial No. 646,254.

To all whom it may concern:

Be it known that I, ORLANDO P. MASON, a citizen of the United States of America, residing at Bellaire, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Receptacle-Supporting Devices; and I hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to improvements in receptacle-supporting devices more especially adapted for supporting receptacles such, for instance, as letter-boxes and cases of vending machines.

The primary object of this invention is to have a substantially horizontally arranged plate which is slidably mounted on the head of a standard secured to the bottom of a receptacle by bolts and nuts and to have said receptacle and said plate locked to the standard by a pin which is readily withdrawable to release said plate and the receptacle from the standard, and to have said pin and the aforesaid nuts only accessible from within the receptacle.

With this object in view, this invention consists in certain structural features, and combinations and arrangement of parts, hereinafter described, pointed out in the claims, and illustrated in the accompanying drawings.

In the said drawings, Figure 1 is a central vertical section of a receptacle-supporting device embodying my invention. Fig. 2 is a horizontal section on line 2—2, Fig. 1, looking downwardly. Fig. 3 is a vertical section on line 3—3, Fig. 2. Portions are broken away in the drawings to reduce the size of the drawings.

Said receptacle-supporting device comprises a standard shown composed of a vertically arranged tubular member A provided at its lower end with flanges *a*, which are riveted, as at 5, to the base C adapted to be embedded in a bed of concrete (not shown). Said standard is provided at its upper end with a head B which consists of a metal block mounted on the upper end of the tubular member A. The head B has a downwardly projecting tubular stem *b* which depends into the tubular member A. Said stem is provided externally with a downwardly facing shoulder 6 seated on the upper end of the tubular member A. Said stem is secured to the tubular member A by a suitably applied rivet 7.

The head B has its upper portion 8 dovetailed,—that is, provided with undercut side edges,—as shown in Fig. 1, and engaging a corresponding recess 10 formed in and extending substantially horizontally through a substantially horizontally arranged plate E at the bottom of the plate, and the side walls of said recess are therefore undercut and overlapped by the undercut side edges of said upper portion of said head so as to prevent displacement of the plate upwardly from said head. The plate E forms a seat for a receptacle H to be supported by my improved supporting device and is provided at one side of the recess 10 with a vertically upwardly projecting flange *e* arranged next exteriorly of an upright wall 13 of the receptacle. The flange *e* is provided at its inner side with a laterally and inwardly projecting lug 12 shown projecting loosely through a hole 14 which is formed in and extends laterally through the wall 13. Said lug projects into the receptacle H and is provided at the inner surface of the wall 13 with a hole 15 engaged by a wedge J.

The head B is provided at its top and centrally between the side walls of the recess 10 with a recess 16 which extends horizontally through said portion of said head and is parallel with the recess 10. The plate E is provided over the recess 16 (see Fig. 3) with two bolt-holes 17 which extend vertically upwardly from said recess to the top surface of said plate and are spaced longitudinally of said recess. Each bolt-hole 17 is shown in registry with a bolt-hole 18 formed in and extending vertically through the bottom *h* of the receptacle H, and said registering bolt-holes are shown loosely engaged by the shank of a bolt K which has its head arranged within the recess 16 and abutting against the plate E and said shank projects above the bottom of and into the receptacle, and a nut L is screwed onto said shank next above said bottom. The bolts K and nuts L secure the plate E and the bottom of the receptacle together. The bolt-holes 17 are spaced far enough from the ends of the recess 16 so that the heads of the bolts K are not exposed to the weather at the ends of said recess, and the shanks of said bolts and the nuts L are not at all exposed to the weather, and the nuts are

only accessible from within the receptacle H. Of course in assembling the parts the receptacle is first secured to the plate E by the bolts K and nuts L, whereupon the latter is slid into place on the head B, and the recess 16 is of course essential to accommodate the location of the bolts K during and upon the application of the receptacle-carrying plate to said head.

The head B is provided at the bottom of the recess 16 with a hole 22 arranged over the stem *b* and extending vertically downwardly from said bottom, which hole registers with a hole 23 formed in the plate E and extending vertically upwardly from said recess to the top surface of said plate. The hole 23 is shown in registry with a hole 24 formed in and extending vertically through the bottom *h* of the receptacle, and a pin R extends from within the receptacle into the holes 22, 23, and 24 and has a head *r* overlapping said bottom so that said pin is supported from the receptacle. The pin R serves to lock the plate E and the receptacle to the head B of the standard. The locking pin R is not only not exposed to the weather, but is only accessible from within the receptacle H. Said pin is loose within the holes 22, 23 and 24 so that the pin, upon access thereto, is readily withdrawable upwardly from said holes.

What I claim is:—

1. The combination, with a receptacle: a substantially horizontally arranged plate arranged under the bottom of the receptacle and forming a seat for the receptacle, which plate is provided at its under side with a recess extending substantially horizontally through the plate and having undercut side walls, and a standard arranged under the plate and provided at its upper end with a head which engages said recess and overlaps said walls, which head is provided at its top and centrally between said walls with a recess which extends substantially horizontally through said head and is substantially parallel with the first-mentioned recess, of bolts having heads arranged within the second-mentioned recess and spaced from the ends of said recess, which bolts have their shanks projecting upwardly through the plate from said recess to and through and above the bottom of the receptacle, and nuts arranged within the receptacle and screwed onto said shanks.

2. The combination, with a receptacle; a standard arranged under the receptacle and provided at its upper end with a head; a plate interposed between said head and the bottom of the receptacle, which plate is slidably mounted on said head and free when unlocked from said head to be slid off said head, and means removably securing the receptacle to said head, of a pin having a head extending into and supported from the receptacle, which pin extends loosely through the bottom of the receptacle and loosely through the plate into and is loose relative to the aforesaid head, said pin being free to be lifted upwardly into the receptacle.

3. The combination, with a receptacle, a substantially horizontally arranged plate arranged under the bottom of the receptacle and forming a seat for the receptacle, and a standard arranged under the plate and provided at its upper end with a head, which head is provided at its top with a recess which extends substantially horizontally through said head, of bolts having their heads arranged within said recess, which bolts have their shanks projecting upwardly through the plate from said recess to and through and above the bottom of the receptacle; nuts arranged within the receptacle and screwed onto said shanks, and a pin having a head arranged within and supported from the receptacle, which pin extends loosely through the bottom of the receptacle and loosely through the plate into and is loose relative to said head.

In testimony whereof, I sign the foregoing specification, in the presence of two witnesses.

ORLANDO P. MASON.

Witnesses:
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