

1,238,320.

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UNITED STATES PATENT OFFICE.

CHARLES T. MOON, OF SCOTTSVILLE, VIRGINIA.

RECEPTACLE-SUPPORT.

1,238,320.

Specification of Letters Patent.

Patented Aug. 28, 1917.

Application filed January 11, 1917. Serial No. 141,858.

To all whom it may concern:

Be it known that I, CHARLES T. MOON, a citizen of the United States, residing at Scottsville, in the county of Albemarle and State of Virginia, have invented certain new and useful Improvements in Receptacle-Supports; and I do 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 appertains to make and use the same.

My invention has for its object to improve upon the construction shown in U. S. Patent No. 1207598 issued to me on December 5, 1916, and with this end in view, the invention resides in certain novel features of construction and unique combinations of parts to be hereinafter fully described and claimed, the descriptive matter being supplemented by the accompanying drawing which constitutes a part of this application and in which:

Figure 1 is a rear elevation of a store counter showing the invention applied, the receptacle support being in its normal position beneath said counter;

Fig. 2 is a view similar to Fig. 1 showing the receptacle and its support swung outwardly to give access to the former;

Fig. 3 is a horizontal section on the plane of the line 3—3 of Fig. 1; and

Fig. 4 is a similar view on the plane indicated by the line 4—4 of Fig. 2.

In the drawing above briefly described, the numeral 1 has reference to a store counter and 2 designates an upright wall supporting one end thereof. Rotatably mounted in upper and lower bearings 3 and 4 secured to the inner side of the wall 2 is a vertical shaft 5, the lower bearing being of any suitable construction while the upper is by preference formed of a single metal plate bent into arch shape, the crown 6 of the arch having an opening receiving the shaft 5 while one leg 7 of said arch is secured by screws or the like to the wall 2. The other leg 8 is divided into a pair of parallel vertically disposed fingers by an upright slot 9, this construction having the functions yet to be set forth.

A receptacle support 10 is mounted on a bracket 11 which is secured to and extends horizontally from the lower end of the shaft 5, this bracket being by preference formed of a single strip of metal bent upon itself to form a vertical split sleeve 12 surround-

ing the shaft and clamped thereon by a bolt 13 which is passed through the two halves of the strip adjacent said sleeve, said halves diverging from this point and having their upper edges bent outwardly to form flanges 14 secured by screws or the like 15 to the under side of the support 10. As shown in Fig. 1, said support 10 is preferably provided on its upper side with a boss 16 to be received within the lower end of the receptacle R which is supported by the device so that said receptacle is prevented from sliding from the support.

A cover 17 is provided for the receptacle R, said receptacle being carried by a bracket 11' constructed in the same manner as the bracket 11 with the exception that its split sleeve 12' is formed with a cam slot 18 opening through its lower end and receiving a stud 19 which projects rigidly from the upper end of the shaft 5, the part of said bracket 11' between the diverging portions thereof and the sleeve 12' being received in the slot 9 so that said bracket may move vertically but may not rotate with the shaft 5, it being understood that the sleeve 12' is sufficiently loose upon said shaft to readily permit this operation.

By constructing the device in the manner described, it will be obvious that the same may be easily and inexpensively manufactured on account of its extreme simplicity yet it will be highly efficient and durable. When the contents of the receptacle R are to be removed, the latter is swung outwardly from the position of Fig. 1 to that of Fig. 2, the bracket 11 then serving to turn the shaft 5 so that the pin 19 and slot 18 cause the bracket 11' to move vertically to raise the cover 17 from the receptacle, said bracket 11' being prevented from turning during this operation by the fingers which form the leg 8 of the arched bearing 3. When the receptacle is again swung inwardly to its normal position, the cover 17 will automatically return to close the upper end thereof to exclude dust and the like.

On account of the advantages above pointed out, the specific construction shown and described constitutes the preferred form of the present invention but it is to be understood that within the scope of the invention as claimed, numerous changes may be made without sacrificing the principal advantages.

I claim:

1. A receptacle support and cover com-

prising a vertically disposed shaft, a receptacle support extending horizontally from and rigidly secured to said shaft, a sleeve surrounding the upper portion of said shaft, 5 means for raising said sleeve automatically when said shaft is turned by outward swinging of the receptacle support, a bracket extending horizontally from said sleeve and carrying a receptacle cover, and upper and 10 lower bearings for said shaft, said upper bearing being formed of a single metal plate bent into the form of an arch, the crown of the arch having an opening through which the shaft passes and one leg of said arch 15 having an opening to receive a fastening screw or the like, the other leg of said arch having a vertical slot receiving the inner end of said bracket to prevent turning thereof.

20 2. A receptacle support and cover comprising a vertical shaft, upper and lower brackets extending horizontally from said shaft, the lower bracket being secured to the shaft and the upper being loose thereon,

means for automatically raising said upper 25 bracket when the shaft is turned by outward swinging of the lower bracket, means for preventing turning of said upper bracket and permitting vertical movement thereof, a receptacle supporting member secured to 30 the lower bracket, a cover member secured to the other, one of said brackets being formed of a single strip of metal bent upon itself at its center to form a split sleeve surrounding the shaft, and a fastener passing through 35 the two halves of said strip adjacent said sleeve to prevent expansion of the latter, said halves diverging from this point and having horizontally extending flanges secured to one 40 of the aforesaid members.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES T. MOON.

Witnesses:

G. C. PHILLIPS,
JOS. P. BLAIR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."