June 15 , 1926. 1,589,137

L. O. FINCH

PORTABLE STAND

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Fig.1.

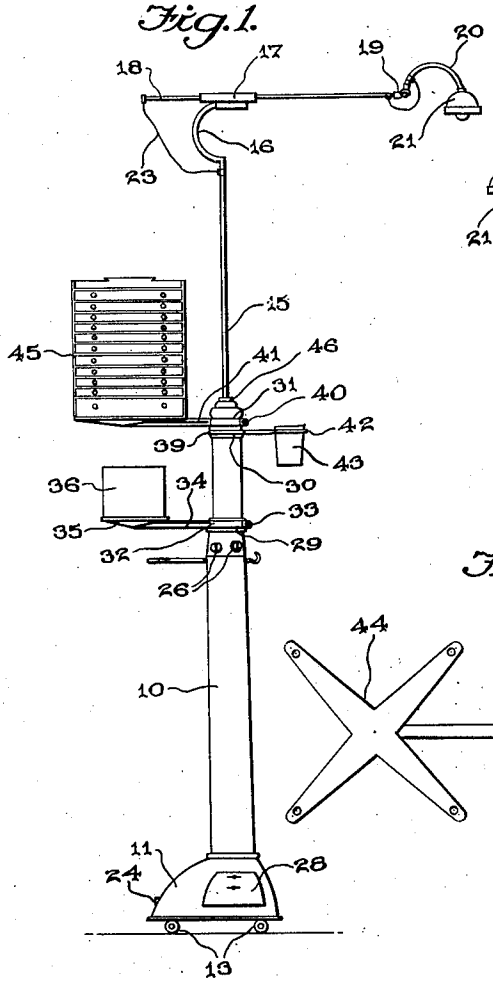


Fig.2.

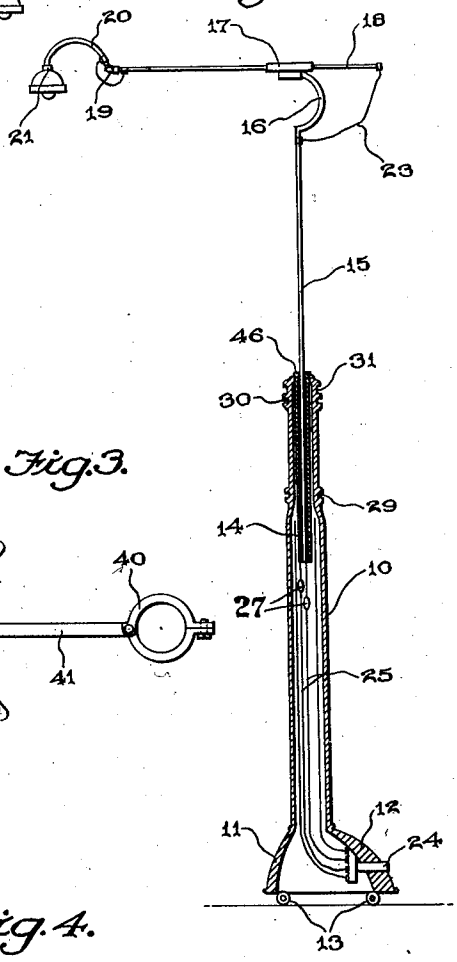
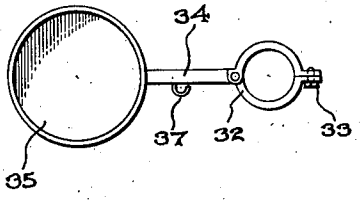


Fig.3.

Fig.4.



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PORTABLE STAND

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Fig. 5.

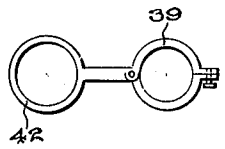


Fig. 6.

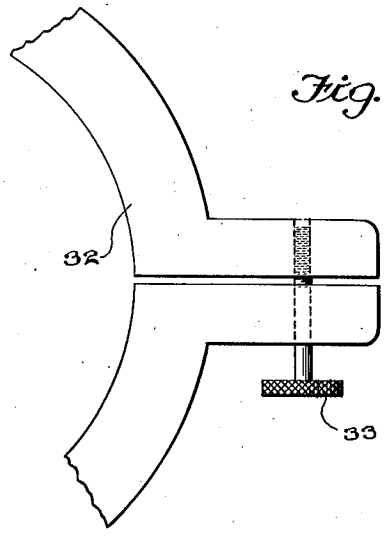


Fig. 7.

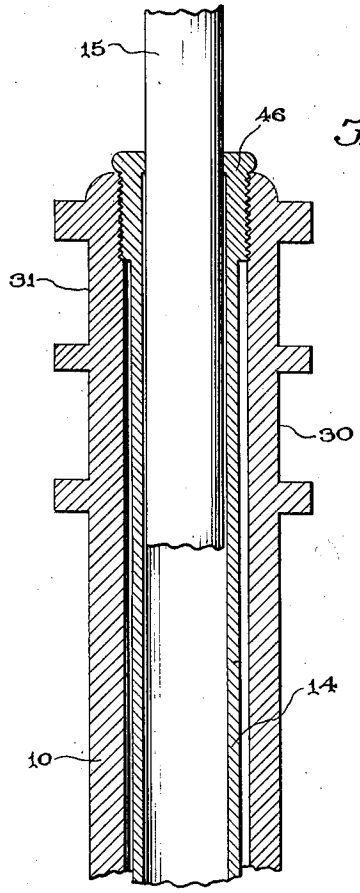
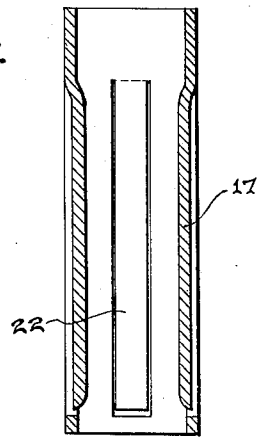


Fig. 8.



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UNITED STATES PATENT OFFICE.

LEO O. FINCH, OF IRON MOUNTAIN, MICHIGAN.

PORTABLE STAND.

Application filed May 14, 1923. Serial No. 638,990.

This invention relates to improvements in stands and has for an object the provision of a portable stand capable of supporting a number of articles, the stand being especially adapted for the use of dentists, physicians, draftsmen and other professional persons, in that it is capable of supporting cabinets and other receptacles, in addition to adjustably supporting a lamp.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claim.

In the drawings:—

Figure 1 is an elevation illustrating the invention.

Figure 2 is a vertical sectional view.

Figure 3 is a horizontal section with the instrument cabinet removed.

Figures 4 and 5 are like views taken on different planes.

Figure 6 is a fragmentary plan view of a portion of one of the arm clamps.

Figure 7 is an enlarged fragmentary vertical section through the upper portion of the pedestal.

Fig. 8 is a fragmentary sectional view illustrating the means for frictionally holding the adjustable members of the stand in position.

Referring in detail in the drawings, wherein like characters of reference denote corresponding parts, the improved stand as illustrated includes a pedestal 10 which is of hollow construction and which rises from a hollow base 11, the latter being offset and weighted upon one side as shown at 12 to provide a counterbalance for the articles supported by the stand. The base is mounted upon suitable castors 13 whereby the pedestal may be conveniently moved, although if desired, the castors may be omitted and the base permanently secured. The pedestal is capable of adjustment as to its height and for this purpose includes a sleeve 14, which telescopes within the pedestal proper and this sleeve may be adjustably held in position by means to be hereinafter described.

Vertically slidable within the sleeve 14 is a tubular standard 15, which is provided at its top with a semi-circular or goose-neck extremity 16 which has secured thereto a sleeve 17, the latter being horizontally disposed. Slidable within the sleeve 17 is a tubular member 18, whose outer end has connected thereto by means of a universal joint 19, a substantially semi-circular or goose-neck section 20. The outer end of the section 20 carries a lamp socket 21 for the reception of an electric light bulb.

The sleeve 14 and the horizontal tubular member 18 are yieldingly and frictionally held in adjusted position and for this purpose, both the pedestal proper 10 and the sleeve 17 are longitudinally slitted to provide spring tongues 22 which extend inwardly, the tongues of the pedestal 10 engaging the sleeve 14, while the tongues of the sleeve 17 engage the tubular member 18. In addition, the sleeve 14 is also provided with tongues 22 similar to those just described which engage the tubular standard 15 and serve to yieldingly and frictionally hold the said standard in vertically adjustable position. By means of the sleeve 14 and standard 15, the height of the lamp may be adjusted and it may also be adjusted horizontally by rotation of the standard 15. In addition, the universal joint 19 provides for a further adjustment of the lamp.

Current is supplied to the lamp through a conductor 23 which extends upwardly through the pedestal from a plug socket 24 and passes through the tubular standard 15, being looped from said standard to the tubular member 18 and further looped around the universal joint 19, as clearly shown in the drawings. Other conductor wires 25 extend from the plug 24 and connect with outlets 26 provided in the upper end of the pedestal 10. The conductor wires may if desired be provided with weights 27, while a removable plate 28 is provided in the base 11, whereby access may be had to the conductor wires.

The stand is desired to support various useful articles and for this purpose, the pedestal 10 is provided with grooves 29, 30 and 31, which are formed by spaced beads or flanges. The groove 29 receives a clamp 32 which includes a pair of hingedly connected semi-circular members of a diameter slightly less than the diameter of the groove, while a set screw 33 serves to connect the free ends of the semi-circular members in a manner to permit of their adjustment so as to provide a frictional engagement between the members and the face of the groove. Extending from one of the

members 32 is an arm 34 having at its outer end a shelf or bracket 35 capable of supporting some useful article and as the stand illustrated in the drawings is arranged for the use of a dentist, this article may take the form of a water spray heater 36, as clearly indicated in Figure 1. In this event the arm 34 is provided with a hook 37 for supporting a conductor wire which may lead from one of the outlets 26 provided in the pedestal 10. The annular grooves 30 and 31 are adapted to receive clamps 39 and 40, whose structure is similar to the clamp 32 previously described and like this last mentioned clamp have extending therefrom arms 41. One of said arms carries at its outer end a ring 42 for the reception of a waste cup 43, while the other arm carries a supporting spider 44 for attachment to an instrument cabinet 45.

The upper end of the sleeve 14 has a threaded engagement with a bushing 46, as shown in Figure 7 of the drawings and the tubular standard 15 slides through this bushing.

The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claim.

Having described the invention what is claimed is:—

A stand of the character described comprising a hollow pedestal having its lower end enlarged and weighted upon one side thereof, the upper end portion of the pedestal being substantially reduced and interiorly threaded, a sleeve member threadedly received and extending within the upper interiorly threaded portion of the pedestal and having inwardly extending spring members upon the inner sides thereof, a standard having its lower end portion received within the sleeve member and engaged therein by the spring fingers carried thereon and having its free end portion substantially offset and curved, the upper curved end portion of the standard provided with a horizontally disposed sleeve thereon, and a tubular member having its inner end received within the last mentioned sleeve and terminating at its opposite end in a universally joined offset and curved portion.

In testimony whereof I affix my signature.

LEO O. FINCH.