

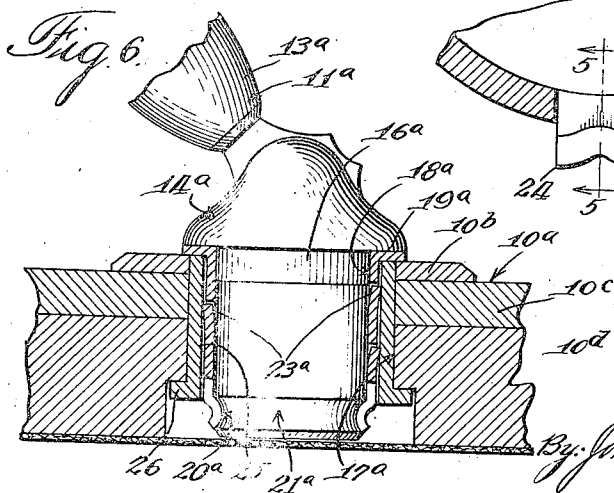
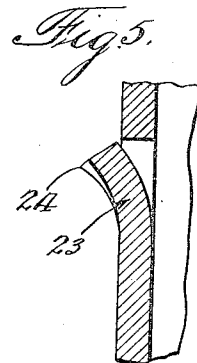
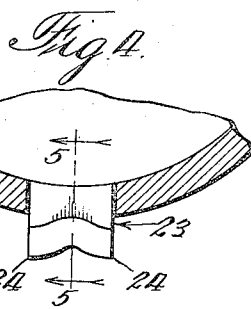
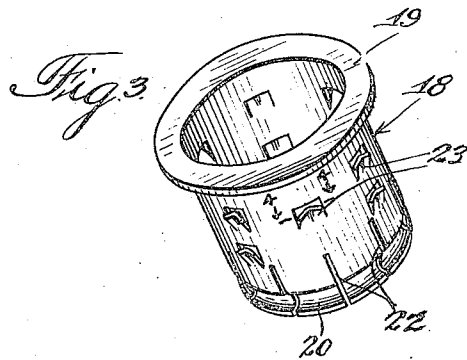
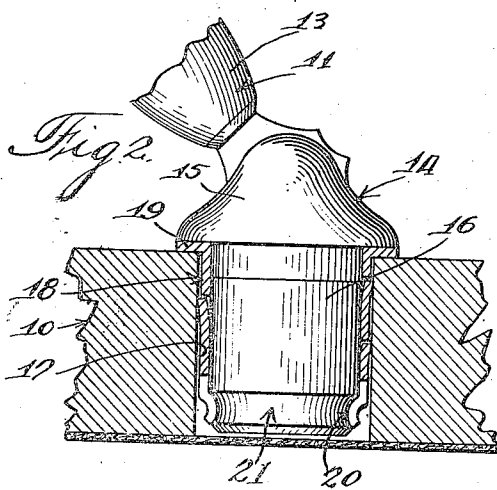
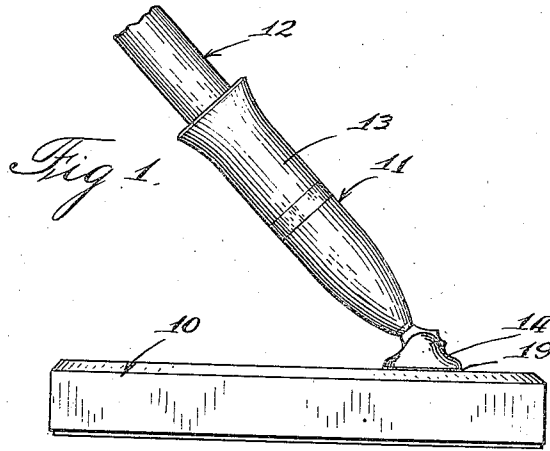
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O. SENF

2,104,676

FOUNTAIN PEN DESK STAND

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Inventor:
Oscar Senf.
By: J. W. Addington, Amos & Pihla
Attys

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FOUNTAIN PEN DESK STAND

Oscar Senf, Fort Madison, Iowa, assignor to
W. A. Sheaffer Pen Company, Fort Madison,
Iowa, a corporation of Delaware

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11 Claims. (Cl. 120—108)

This invention relates to fountain pen desk stands and has special reference to a device comprising a base and a receptacle mounted on the base for holding a fountain pen in a desired position for convenience in use.

More particularly, this invention relates to a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve being disposed in the recess of the base having means thereon for permanently securing the sleeve in the recess with means on the sleeve for snap engagement with the peripheral groove of the base portion of the receptacle, whereby the receptacle may be detachably engaged with the base.

The primary use of the present invention is in the office where the need for a ready pen is frequent and the elimination of the usual sealing cap for a fountain pen which is ordinarily screw-threaded affords great convenience and results in a substantial saving in time. In a great number of such devices the base is of substantial size affording means for holding a lamp, statuary figures, and the like, and it is particularly desirable, since fountain pens ordinarily employed in the desk stands are comparatively expensive, that they be stored when not in use where they may be preserved from theft. It is quite desirable that in storing the fountain pen the ink feeding means thereof be kept in a sealed condition so that ink may be prevented from drying therein and evaporating therefrom.

The present invention contemplates the removability of the socket readily from the base so that the socket and contained fountain pen may be stored in a sealed condition in a place of safe keeping until the pen is desired for further use and the socket is replaced on the base. While in the smaller desk stands the entire base with its receptacle and fountain pen may thus be locked in a place of safe keeping, yet in all desk stands it is desirable that in shipping, storing or handling in the place of manufacture or in retail stores therefor that the receptacle and pen be removed from the base so that the structures may be boxed more compactly for space, economy and shipped and handled more safely with a minimum danger of breakage. Heretofore, so far as applicant is aware, desk stands have been shipped with the receptacles fastened thereto in their original assembled relation. This necessitates an unusual skill in packing and the use of containers of substantial size. As above stated,

the present invention permits the use of containers of minimum size and a lesser degree of skill in packaging, thereby conserving space and minimizing danger of breakage.

One of the objects of this invention is to provide a desk stand of the type indicated above in which the receptacle and contained fountain pen may be readily removed from the base for convenience in handling, packaging and storing.

Another object of this invention is to provide a desk stand of the character noted above in which the receptacle for a fountain pen may be assembled to the base with a minimum of skill and which may be manufactured comparatively inexpensively.

Other objects and advantages will hereinafter be more particularly pointed out and for a more complete understanding of the characteristic features of this invention, reference may now be had to the following description when taken together with the accompanying drawing, in which latter:

Figure 1 is a side elevational view of a desk stand embodying the features of this invention;

Fig. 2 is an enlarged fragmentary view of Fig. 1 showing a portion of the base and retaining means in section;

Fig. 3 is a perspective view of the retaining sleeve;

Fig. 4 is a plan sectional view greatly enlarged and taken on the line 4—4 of Fig. 3;

Fig. 5 is a vertical sectional view taken on the line 5—5 of Fig. 4; and

Fig. 6 is a view similar to Fig. 2 showing the relation of the retaining member in its association with a laminated base.

Referring now more particularly to the drawing, a base 10 is provided which may preferably be of a decorative material, such as plate glass, onyx, and the like, of various shapes and sizes, and of sufficient weight as to afford stability for the support of a receptacle 11 and a fountain pen 12 in an inclined relation thereto.

The receptacle 11 preferably comprises a barrel portion 13 for holding a fountain pen and a connecting base portion 14. The barrel portion 13 is formed preferably of a pyroxilin product or of other well known compositions and has a chamber for receiving the writing point end of the fountain pen 12 preferably in a sealed relation therewith. The barrel portion is preferably pivotally mounted on the base portion 14 for adjustment into predetermined positions of use such as may be convenient to the particular desires of the user. The base portion 14, in turn, has an

enlarged head portion 15 with a reduced extension 16, which latter houses preferably a tensioning means for holding the barrel in its predetermined positions.

5 The base 10 is provided with a recess 17 for receiving a sleeve 18 having a peripheral flange 19 about one end. The flanged sleeve 18 is preferably formed of metal having some degree of resiliency and is provided at its end opposite the flange 19 with a peripheral bead 20 which is directed inwardly to engage a peripheral groove 21 about the lower end of the reduced extension 16 of the base portion 14 of the receptacle. The lower end of the sleeve is provided with longitudinally extending slits 22 which extend through the beaded portion 20 for providing a plurality of spring fingers. Such slits are desirable yet not absolutely essential.

10 The sleeve 18 is permanently secured in the recess 17 by means of the provision of projections 23 which are preferably slit and deformed to extend radially outwardly from the material of the sleeve. These projecting portions formed from the resilient material of the sleeve frictionally engage the side walls of the recess in the base and prevent displacement of the sleeve therefrom. It is preferable to form the projections in such a manner that the free ends thereof extend in the direction of the flange so that a greater resistance is afforded to the movement outwardly of the recess, the flange 19 limiting the movement inwardly into the recess.

15 While the edges of the free ends of the projections 23 may assume somewhat their normal arcuate contour when slit from the material of the sleeve, still it has been found to be very desirable to form the edges into an inverted V-shape as is illustrated more particularly in Figs. 4 and 5. The provision of the V-shaped edges of the projections provides sharp corners 24 which have been found to afford a more desirable frictional grip against the side walls than were the usual cross-section retained.

20 When it is desired to assemble the receptacle to the base, the sleeve 18 is inserted from above into the recess, the flange 19 limiting the downward movement thereof. The walls of the recess, the particular form in the drawing being shown circular, need not necessarily be a tight fit but only such as to permit the ready insertion of the sleeve.

25 The projections 23 normally extend beyond the confines of the walls of the recess and are urged inwardly by the walls when the sleeve is inserted in the recess. However, by reason of the V-shaped cross-section, the resistance to such movement toward their initial position is substantially greater by the reinforcing obtained in providing the V-shape than the normal resilience of the material itself, and the sharp corners find a substantial frictional engagement with the walls of the recess so that it is practically impossible, without substantial permanent distortion, to remove the sleeve once having obtained an assembled relation. The base portion 14 may thereafter be inserted in the sleeve, the spring fingers formed by the slits 22 and the bead 20 being snapped into engagement with the peripheral groove 21 of the extension 16. By reason of the formation of the bead, the receptacle may be readily removed upon the exertion of sufficient force, the spring fingers being urged outwardly a sufficient distance to permit the enlarged end portion to pass thereby.

30 Referring now more particularly to Fig. 6, the

construction of this invention is shown where it is desired to employ the sleeve not only for holding the receptacle in a detached relation with the base but for holding the layers of the base together. The base 10a is formed by a plurality of layers 10b, 10c, and 10d. A recess 17a is provided in the lamination or layers of the base in concentric relation and a flanged bushing 25 is inserted from below, the flange 26 of the bushing engaging preferably the bottom of an enlarged recess in the lower layer to limit the movement of the bushing into the base. In this instance, the sleeve 18a is provided with projections 23a in the same manner as that heretofore described for engaging the side walls of the bore of the bushing 25, the bushing being preferably formed of aluminum. The flange 19a of the sleeve extends to engage the top of the base or the upper lamination, the flange limiting the downward movement of the sleeve into the bushing and retaining the layers of the base thereby in a fixed relation. The sleeve 18a is the same as that previously described having a peripheral inwardly directed bead 20a for engaging a peripheral groove 21a of the projection 16a of the base portion 14a of the receptacle. While the receptacle, as in the above described modification, may be readily removed from the base, the layers of the base are maintained in a fixed relation with each other by means of the association of the sleeve 18a with the bushing 25.

35 While but two forms of this invention are herein shown and described, it is to be understood that various modifications thereof may be apparent to those skilled in the art without departing from the spirit and scope of this invention and, therefore, the same is only to be limited by the scope of the prior art and the appended claims.

I claim:

1. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, means on said sleeve for engagement with the walls of said recess and for permanently securing said sleeve in the recess, and means on said sleeve for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

2. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, means formed integrally with said sleeve for engagement with the walls of said recess and for permanently securing said sleeve in the recess, and means on said sleeve for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

3. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, means projecting from said sleeve for frictional engagement with the walls of said recess for permanently securing said sleeve therein, and other means on said sleeve for snap engagement with the peripheral groove of the base por-

tion of the receptacle whereby the receptacle may be detachably engaged with the base.

4. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, fingers slit and deformed outwardly from the material of said sleeve for frictional engagement with the walls of said recess for permanently securing said sleeve therein, and means on said sleeve for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

5. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, a plurality of fingers slit and deformed outwardly from the material of said sleeve, the free end of each of the fingers being substantially V-shaped providing sharp corners for frictionally engaging the walls of the recess for permanently securing said sleeve in the recess, and means on said sleeve for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

6. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a flanged sleeve having the sleeve portion disposed in the recess of the base and the flange portion resting on the top of the base, a plurality of fingers slit and deformed outwardly from the material of the sleeve portion with the free ends thereof extending upwardly, each of said free ends being substantially V-shaped providing sharp corners for frictionally engaging the walls of the recess for permanently securing said sleeve in the recess, and means on said sleeve for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

7. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, means on said sleeve for frictional engagement with the walls of said recess and for permanently securing said sleeve in the recess, and spring fingers on said sleeve for snap engagement with the peripheral groove of the base

portion of the receptacle whereby the receptacle may be detachably engaged with the base.

8. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, means on said sleeve for frictional engagement with the walls of said recess and for permanently securing said sleeve in the recess, said sleeve being slit to provide inwardly directed spring fingers for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

9. In a fountain pen desk stand including a base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a sleeve disposed in the recess of the base, means on said sleeve for frictional engagement with the walls of said recess and for permanently securing said sleeve in the recess, said sleeve having a slit inwardly directed peripheral bead adjacent one end thereof for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

10. In a fountain pen desk stand including a laminated base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a flanged bushing in the recess of the laminated base with the flange thereof bearing against the bottom of the base, a flanged sleeve disposed in the bushing with the flange thereof bearing against the top of said laminated base, and means on said sleeve for frictional engagement with the walls of said recess and for permanently securing said sleeve in the bore of said bushing.

11. In a fountain pen desk stand including a laminated base having a recess therein and a receptacle having a barrel portion for holding a fountain pen and a base portion provided with a peripheral groove, a flanged bushing in the recess of the laminated base with the flange thereof bearing against the bottom of the base, a flanged sleeve disposed in the bushing with the flange thereof bearing against the top of said laminated base, means on said sleeve for frictional engagement with the walls of said recess and for permanently securing said sleeve in the bore of said bushing, and means on said sleeve for snap engagement with the peripheral groove of the base portion of the receptacle whereby the receptacle may be detachably engaged with the base.

OSCAR SENF.