

Dec. 27, 1932.

A. I. FERRIER

1,892,524

FOUNTAIN PEN DESK SET

Filed Jan. 30, 1929

5 Sheets-Sheet 1

Fig. 1.

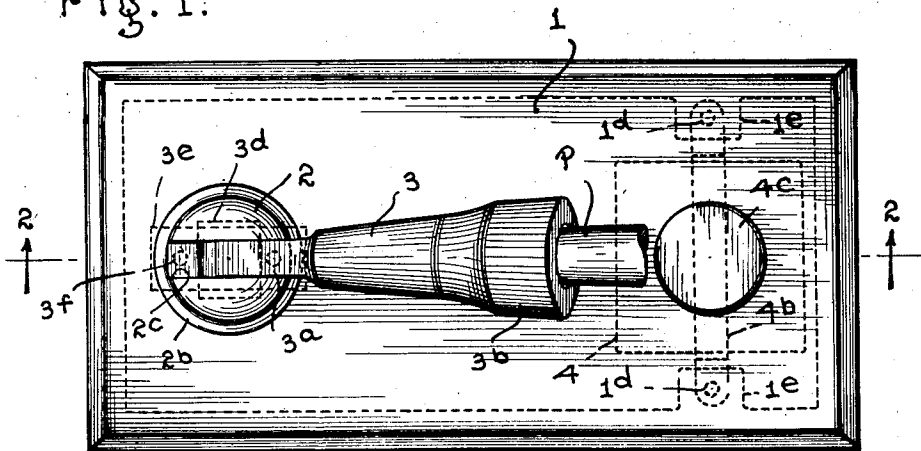


Fig. 2.

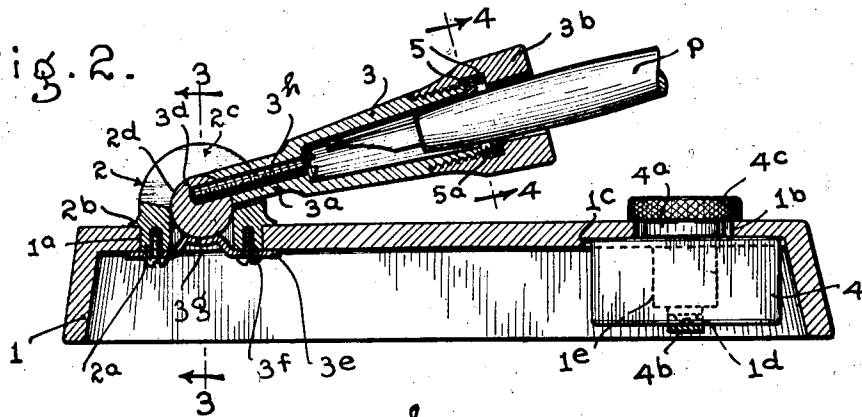


Fig. 3.

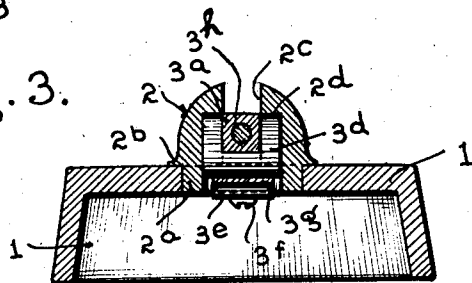
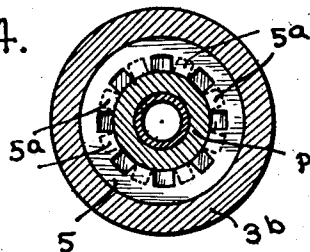


Fig. 4.



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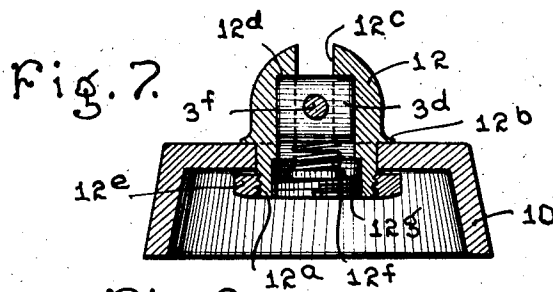
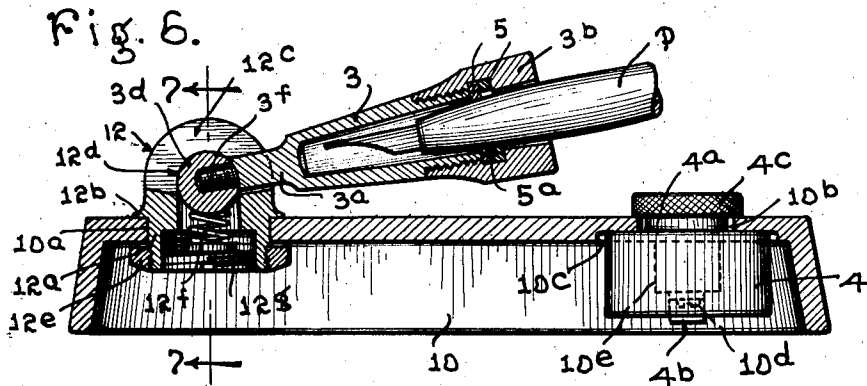
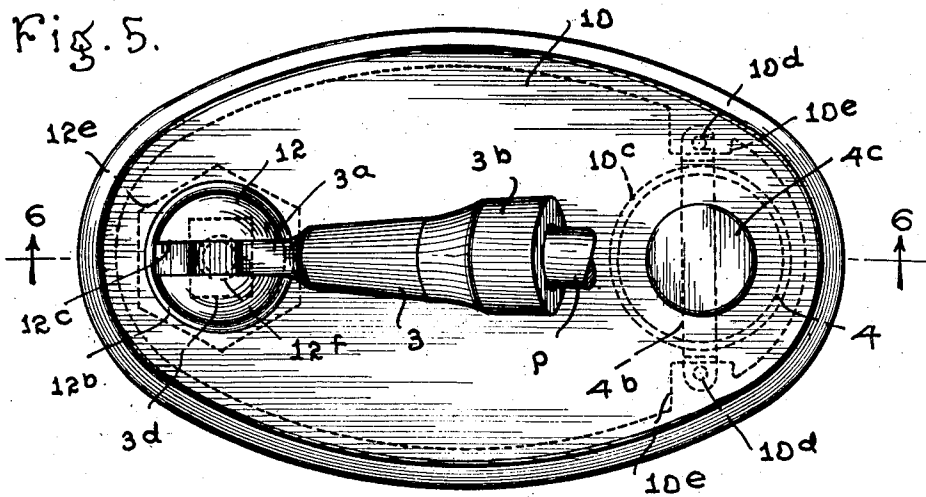


Fig. 8.

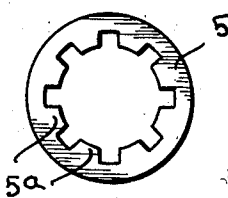
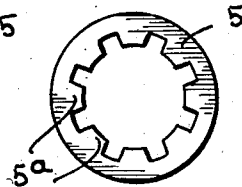


Fig. 9.



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Fig. 10.

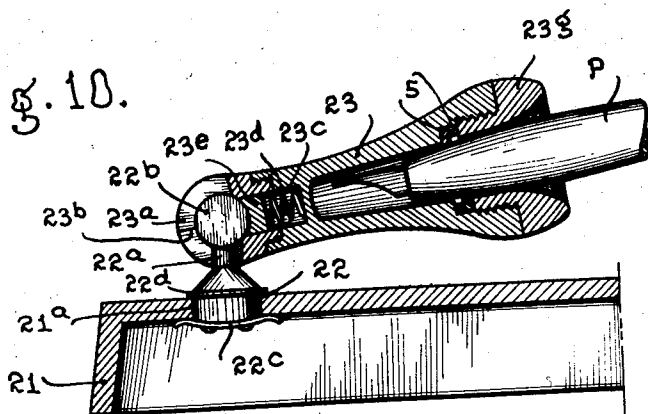


Fig. 11.

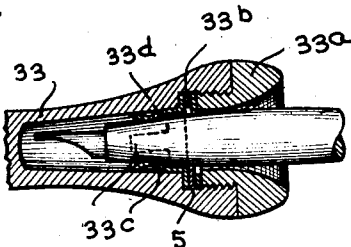


Fig. 13.

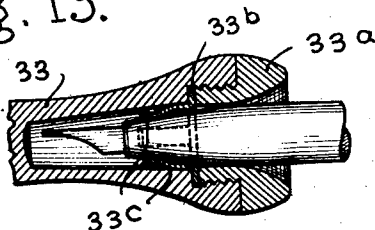


Fig. 12.

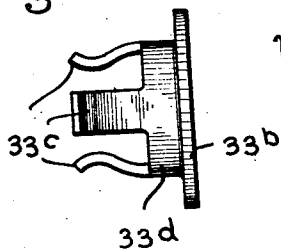
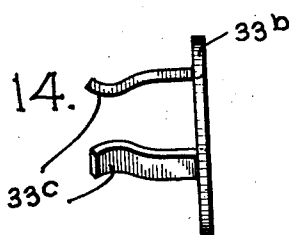


Fig. 14.



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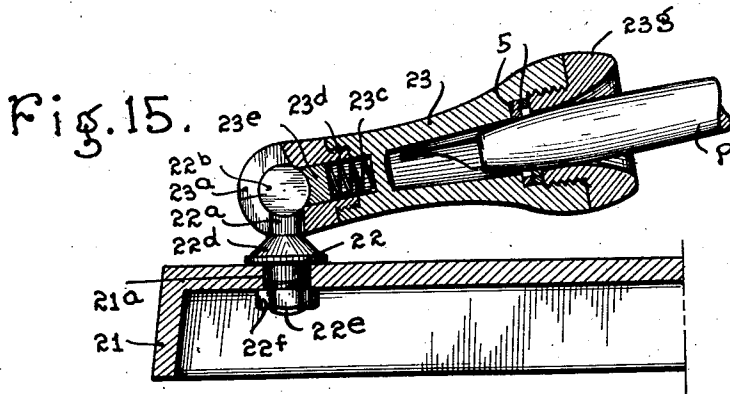
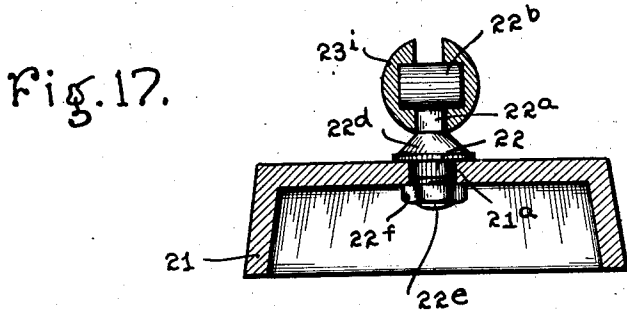
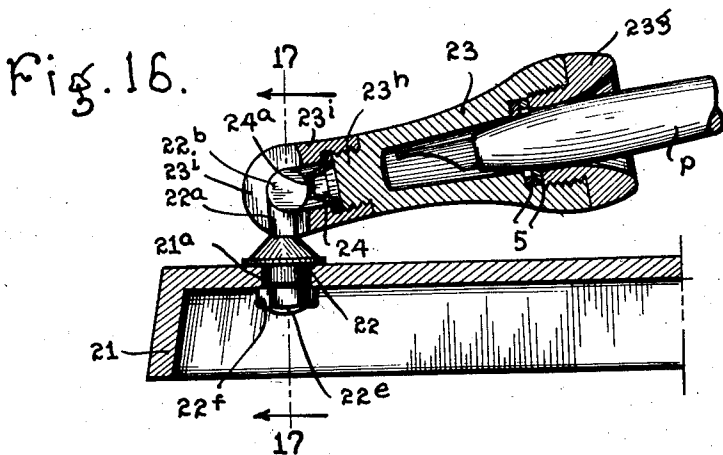
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FOUNTAIN PEN DESK SET

Filed Jan. 30, 1929

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FOUNTAIN PEN DESK SET

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Fig. 18.

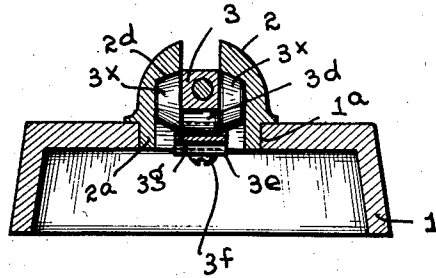


Fig. 19.

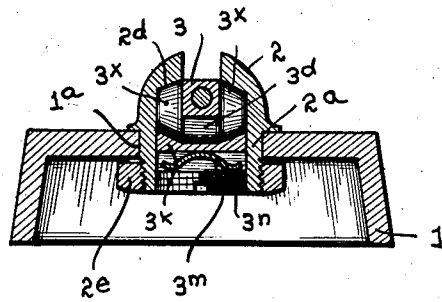


Fig. 20.

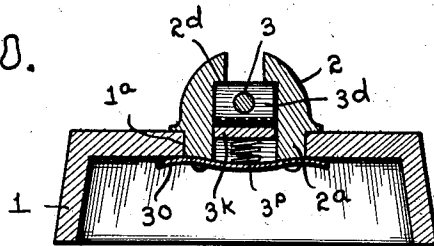
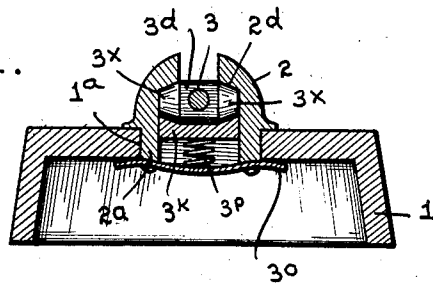


Fig. 21.



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# UNITED STATES PATENT OFFICE

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## FOUNTAIN PEN DESK SET

Application filed January 30, 1929. Serial No. 336,195.

This invention relates to improvements in supports for writing pens, and more particularly to that class of desk pen supports adapted for use in connection with capless fountain pens, more commonly known as fountain pen desk sets.

It is a major purpose of the present invention to provide a fountain pen desk set support or set having universally adjustable pen holding means whereby the pen may be maintained at any desired angle with respect to the base of the desk set.

It is a further object of the present invention to provide in a desk pen set of the class described, improved means whereby ready adjustment of the pen supporting portion may be had, frictional means being employed to retain the said pen supporting portion in any desired adjusted position.

It is a still further object of the present invention to provide a desk pen set of the class set forth having improved adjustable frictional means adapted to retain the pen supporting portion in any desired position, the said means being adjustable to vary the tension upon the bearing of the pen supporting portion at will, and being further adapted to compensate for wear thereon resultant through continued use.

It is a still further object of the invention to provide improved means within the pen supporting portion whereby the point of the pen may be maintained sealed and dust proof when the pen is not in use.

It is a further object of the present invention to provide a desk pen set or support of the class set forth which will be extremely ornamental in appearance, and durable as well as substantial in structure; which will be simple in operation; which may be conveniently assembled and which may be economically manufactured. Further objects of the invention will be hereinafter more fully set forth.

The accompanying drawings illustrate several desk pen sets or supports of preferred construction embodying the present invention which will be described in detail to enable others to understand and use the same, but the invention is not considered restricted

to the specific forms of construction which are shown in the drawings, and reference is therefore had to the claims for summaries of the essentials of the invention, and of the novel features of construction, and of the novel combinations of parts for all of which protection is desired.

In the drawings:—

Figure 1 is a top plan view of one form of desk pen set constructed in accordance with the present invention, a portion of the pen proper being broken away.

Figure 2 is a longitudinal sectional view through the entire desk pen support, taken on the line 2—2 of Figure 1.

Figure 3 is a transverse sectional view taken on the line 3—3 of Figure 2.

Figure 4 is an enlarged detail transverse sectional view through the pen supporting member, taken on the line 4—4 of Figure 2.

Figure 5 is a top plan view of a slightly modified form of desk pen set constructed in accordance with the present invention, a portion of the pen proper being broken away.

Figure 6 is a longitudinal sectional view taken on the line 6—6 of Figure 5.

Figure 7 is a detail transverse sectional view taken on the line 7—7 of Figure 6.

Figures 8 and 9 are detail plan views of the sealing washers detached.

Figure 10 is a longitudinal sectional view taken through a portion of a desk pen set illustrating a still further modified form of pen supporting member.

Figure 11 is a detail sectional view through a portion of a pen supporting member illustrating a modified form of pen holding or sealing member therein.

Figure 12 is a detail elevational view of the sealing member illustrated in Figure 11, detached.

Figure 13 is a view similar to Figure 11, illustrating a still further modified form of pen holding and sealing member.

Figure 14 is a detail elevational view of the pen holding member illustrated in Figure 13, but detached.

Figure 15 is a longitudinal sectional view through a portion of a desk pen set illustrating a further slightly modified form of pen

supporting member somewhat similar to that shown in Figure 10.

Figure 16 is a longitudinal sectional view through a portion of a still further modified form of desk pen set.

Figure 17 is a transverse sectional view through the desk pen set illustrated in Figure 16, taken on the line 17—17 thereof.

Figure 18 is a detail transverse sectional view through a desk pen set similar to that shown in Figure 3, illustrating tapered conical extremities on the bearing member to which the pen supporting member is attached.

Figure 19 is a transverse sectional view similar to Figure 18 illustrating a modified form of adjustable frictional means for maintaining the bearing in adjusted position.

Figure 20 is a transverse sectional view illustrating a form of device similar to Figure 7, but illustrating a modified form of frictional means for maintaining the bearing in desired adjusted position.

Figure 21 is a transverse sectional view similar to Figure 20 but illustrating in combination therewith, a form of bearing having tapered conical extremities similar to that illustrated in Figures 18 and 19.

As shown in the drawings, the novel desk pen set comprises a base 1, which may be formed from any desired material, and which may be of any desired size and conformation and ornamental appearance. As shown in the form of the device illustrated in Figures 1 to 4 inclusive of the drawings, the base may be rectangular in conformation, and is preferably hollow therebeneath as will be hereinafter more fully described. The base 1 is provided on its upper surface and adjacent the rear thereof, with a preferably centrally located circular aperture 1<sup>a</sup>, adapted to receive a reduced portion 2<sup>a</sup> formed upon a substantially hemi-spherically conformed housing 2 in which is pivotally mounted the pen supporting member 3.

The base 1 is further provided with a second aperture 1<sup>b</sup> through which is designed to project the neck 4<sup>a</sup> of an ink containing receptacle 4 which may be mounted beneath the base in any desired manner, preferably the aperture 1<sup>b</sup> being centrally located and disposed adjacent the front of the base 1. Preferably a strap 4<sup>b</sup> is provided to retain the ink receptacle against the under side of the top of the base, which may be recessed if desired as at 1<sup>c</sup>. The strap may be secured in any desired manner, as by having the extremities thereof slotted or hooked for engagement with screws 1<sup>d</sup> or the like threaded into bosses 1<sup>e</sup> integrally formed within the hollow base. The ink receptacle may be provided with any suitably ornamental cap or cover 4<sup>c</sup>, designed to protect the ink therein against dust or the like.

The housing 2 is designed to rotate upon

an axis perpendicular to the base, and as above described comprises an upper preferably circular portion and a reduced base portion which is adapted to fit snugly within the aperture 1<sup>a</sup> in the base; the housing being provided with an enlarged shoulder or the like 2<sup>b</sup>, the lower surface of which bears against the base of the desk pen set when the housing is in position, thus providing an additional bearing surface for the housing with respect to the base 1.

The housing 2 is provided with a meridional slot 2<sup>c</sup> in which is guided the pen supporting member, the housing being of hollow interior conformation to provide a bearing 2<sup>d</sup> for a pivotal member 3<sup>d</sup> to which the pen supporting member is secured, as will be hereinafter more fully described.

The pen supporting member may be of any desired size and ornamental conformation, comprising a body portion 3 provided with a slightly tapered bore or socket for the reception of the pen P, and having a reduced stem 3<sup>a</sup> on its lower end designed to engage with the slot 2<sup>c</sup> in the housing. Preferably this stem is formed with substantially flat opposite sides to provide snug bearing surfaces against the sides of the aforementioned slot. The opposite extremity of the pen supporting member may be slightly reduced and is exteriorly screw threaded for engagement with a similarly screw threaded ornamental cap or the like 3<sup>b</sup> adapted for the retention of any desired form of sealing means for maintaining the pen within the supporting member in a sealed and dust proof condition. Preferably such sealing means comprises a pair of washers, or the like, 5, having their inner peripheries toothed or serrated as at 5<sup>a</sup>.

From an examination of Figure 4 of the drawings, it will be obvious that the said washers are assembled in staggered relationship whereby the teeth on the one washer overlap the teeth on the other so that by this arrangement there is provided a novel structure which permits of the ready positioning of a pen within the supporting member and the ready withdrawal thereof, while when so positioned the point of the pen is maintained sealed and free from any foreign element as dust or the like.

The pen supporting member may be attached to the bearing member 3<sup>d</sup> in any desired manner. Preferably the stem 3<sup>a</sup> of the supporting member is recessed for the reception of a screw or the like 3<sup>b</sup> adapted to be threaded into the bearing 3<sup>d</sup>, preferably the relationship between the said stem and the bearing being such that the upper surface of the said stem merges into the upper surface of the aforesaid bearing.

Any desired means may be employed for retaining the pen supporting member in any desired adjusted position. One preferable

means comprises a frictional flat spring member 3<sup>e</sup> secured to the under surface of the base of the desk set as by screws, etc. or the like 3<sup>f</sup>. The spring member 3<sup>e</sup> is provided adjacent the center thereof with an arcuate offset portion 3<sup>g</sup>, which is adapted to bear against the member 3<sup>d</sup> and thus serves to not only securely seat the member 3<sup>d</sup> within its bearing but further provides frictional engagement therebetween thus assuring the pen supporting member remaining in any desired adjusted position. It will be noted that the extremities of the spring member project beyond the aperture 1<sup>a</sup>, thereby preventing the displacement of the entire housing 2 and the pen supporting member therewith.

The operation of the entire desk set is extremely simple. Rotation of the housing will permit of any desired adjustment or variation between the pen holding member and the pen therewith, with respect to a vertical axis as between the housing and the base of the desk set; while the pen supporting member may be pivotally adjusted within the housing thus attaining any desired variation with respect to the horizontal axis.

In the form of the invention illustrated in Figures 5 to 9 inclusive of the drawings, the base 10 of the desk set has been shown as oval or elliptical in conformation, the base being provided with apertures 10<sup>a</sup> and 10<sup>b</sup>, similar to the apertures 1<sup>a</sup> and 1<sup>b</sup>, for the reception of the housing 12 and the ink receptacle 4. In this form of the invention, the ink receptacle is retained in position identically as the receptacle in the form of the invention previously described, and accordingly it is believed needs no further discussion here.

The housing 12 comprises a upper hemispherical portion and a reduced portion 12<sup>a</sup> adapted to be received within the aperture 10<sup>a</sup> in the base and to rotate therein, the said reduced portion projecting beneath the base 10 and having the lower extremity thereof screw threaded for engagement with a nut or the like 12<sup>e</sup> designed to prevent displacement of the housing. The housing is further provided with an enlarged shoulder or the like 12<sup>b</sup>, similar to the shoulder 2<sup>b</sup> as above described and for an identical purpose. In the upper surface of the housing there is provided a meridional slot 12<sup>c</sup> in which is guided the pen supporting member 3, the housing being of hollow interior conformation to provide a bearing 12<sup>d</sup> and for a pivotal member 3<sup>d</sup> to which the pen supporting member is designed to be attached.

The pen supporting member, as hereinbefore described, comprises a body portion 3 provided with a slightly tapered bore or socket for the reception of the pen P, and having a reduced stem 3<sup>a</sup> on its lower end designed to engage within the slot 12<sup>c</sup> in the housing. This stem is formed with substantially flat opposite sides to provide snug bear-

ing surfaces against the sides of the slot in the housing, the extremity of the stem being reduced and screw threaded as at 3<sup>f</sup> for engagement with a similarly screw threaded recess within the bearing member 3<sup>d</sup>.

The opposite extremity of the pen supporting member may be formed as has been previously described, with a threaded cap or the like 3<sup>b</sup> adapted for the retention of the sealing means or washers 5 within the supporting member.

In this form of the invention a coil spring 12<sup>f</sup> is provided for assuring the retention of the pen supporting member in any desired adjusted position. As shown in Figures 6 and 7 of the drawings, the said spring is positioned within the housing 12 and is adapted to bear against the member 3<sup>d</sup>, thus serving to securely seat the said member within its bearing and providing frictional engagement therebetween. The spring 12<sup>f</sup> is retained in position by means of a nut or the like 12<sup>g</sup>, screw threaded within the reduced portion 12<sup>a</sup> and obviously the tension of the spring against the member 12<sup>d</sup> may be varied merely by adjustment of the nut; this being particularly desirable to compensate for any wear within the bearing resultant from continued use. It will be readily understood that the operation of this form of the invention is identical with that of the form thereof first herein described. The identical readiness and completeness of adjustability is had, and the essential elements of simplicity and convenience of assembly, manufacture and use being had.

In the form of the invention illustrated in Figure 10 of the drawings, the base 21 is provided with an aperture 21<sup>a</sup> in which is positioned for rotation a member 22 provided with a reduced and flattened portion 22<sup>a</sup> and which terminates at its upper extremity in a bearing member 22<sup>b</sup>, similar in conformation and function to the bearing 3<sup>d</sup> above described. A leaf spring or the like 22<sup>c</sup> is suitably secured to the under surface of the member 22, and serves to retain the same in position for proper rotation. If desired the member 22 may be provided with a shoulder or the like 22<sup>d</sup> to further assist in maintaining same positioned in the base.

The pen holding member 23 comprises a body portion provided with a slightly tapered socket for the reception of the pen P, and is further provided at both extremities with interiorly screw threaded sockets as will be hereinafter more fully described.

A split bearing member 23<sup>a</sup> is provided for pivotal engagement with the bearing 22<sup>b</sup>, the said member being slotted for engagement with the portion 22<sup>a</sup> for adjustment therearound, the said member being reduced and also screw threaded for engagement with the lower end of the pen supporting member.

A socket 23<sup>c</sup> is formed within the lower ex-



5 tremity of the member 23 and is adapted to  
house a coil spring or the like 23<sup>a</sup> designed to  
bear against a bearing block 23<sup>c</sup> which in turn  
bears against the bearing 22<sup>b</sup>. The opposite  
extremity of the pen supporting member is  
adapted for engagement with an externally  
screw threaded portion formed upon a cap  
member 23<sup>e</sup> which serves to retain the sealing  
washers 5 therein in proper position. These  
sealing washers are identical as illustrated  
and described in connection with the herein-  
before mentioned forms of the invention, and  
accordingly it is believed need no further  
discussion here.

15 Obviously this form of the invention com-  
prises the positioning of the resilient means  
for insuring the stability of the pen support-  
ing member within the said member.

20 In Figures 11 to 14 of the drawings, in-  
clusive, there has been illustrated a portion  
of a pen supporting member 33 interiorly  
screw threaded for engagement with a cap or  
the like 33<sup>a</sup> designed to secure in position re-  
siliant pen gripping members 33<sup>b</sup> comprising  
an outwardly directed annular shoulder or  
flange and downwardly depending spring  
fingers 33<sup>c</sup> preferably formed integrally  
therewith.

25 As illustrated more specifically in Figure  
12 of the drawings, each pen gripping mem-  
ber may include an integral ring like portion  
33<sup>d</sup>, or this portion may be omitted as shown  
in Figure 14. Any desired quantity of  
spring fingers may be provided, in the two  
illustrations in the drawings (Figures 12 and  
14) four and three of such fingers being illus-  
trated respectively.

30 If desired, in connection with the pen grip-  
ping element above described, sealing wash-  
ers may be employed; or these washers may  
be omitted inasmuch as the pen may be de-  
signed to snugly fit within the member 33<sup>b</sup>.

35 There has been illustrated in Figure 15 of  
the drawings a desk pen set including a base  
21 provided with an aperture 21<sup>a</sup> in which  
is positioned for rotation a member 22 pro-  
vided with a reduced and squared portion 22<sup>a</sup>  
which terminates at its upper extremity in a  
bearing member 22<sup>b</sup> similar in conformation  
and function to the bearing 22<sup>b</sup> above de-  
scribed in connection with Figure 10 of the  
drawings.

40 The pen holding member 23 may be con-  
structed identically, and the same combina-  
tion of elements might be employed to insure  
proper frictional engagement as between the  
pen holding member and the bearing 22<sup>b</sup> as  
has been illustrated and fully described in  
connection with Figure 10 of the drawings  
and accordingly needs no further discussion  
here.

45 To retain the pen supporting member with-  
in the base, the lower extremity of the said  
member may be screw threaded as at 22<sup>e</sup> for  
engagement with a locking nut 22<sup>f</sup>.

The form of the invention illustrated in  
Figures 16 and 17 of the drawings includes a  
base 21 provided with an aperture 21<sup>a</sup> in which  
is positioned for rotation a member 22 pro-  
vided with a reduced and squared portion 22<sup>a</sup>  
which terminates at its upper extremity in  
a tubular bearing member 22<sup>b</sup>. The lower  
extremity of the member 22 is screw threaded  
as above set forth at 22<sup>e</sup> for engagement with  
the locking nut 22<sup>f</sup>. It will be obvious from  
a comparison of this form of the invention  
with that illustrated in Figure 15, that the  
bearing portion proper may be slightly offset  
from the vertical axis of the member 22.

50 The pen holding member 23 comprises a  
body portion provided with a slightly tapered  
bore or socket for the reception of the pen P  
and is formed with an interiorly screw thread-  
ed socket for the reception of the cap mem-  
ber 23<sup>e</sup> which serves to retain the sealing  
washers 5 therein as has been previously de-  
scribed. The bottom extremity of the pen  
holding member is reduced and exteriorly  
screw threaded as at 23<sup>b</sup> for engagement with  
a bearing member 23<sup>i</sup> adapted to surround  
and have pivotal engagement with the bear-  
ing 22<sup>b</sup>. Any desired frictional means might  
be employed to insure proper engagement as  
between the pen holding member and the  
bearing 22<sup>b</sup>.

55 Preferably such means includes a leaf  
spring or the like 24 seated within the mem-  
ber 23<sup>i</sup> and having an arcuate offset portion  
24<sup>a</sup> adapted to engage against the bearing  
22<sup>b</sup>. The extremities of the member 24 are  
turned outwardly and are adapted to be en-  
gaged by the reduced portion 23<sup>b</sup> of the pen  
holding member 23. It will be apparent that  
the engagement of the above described fric-  
tional means may be varied by rotation of  
the pen holding member 23 within the screw  
threaded socket in the bearing member 23<sup>i</sup>.  
The member 23<sup>i</sup> is slotted for engagement  
with the reduced and squared portion 22<sup>a</sup> on  
the member 22; the operation of the device  
being identical as described in connection  
with Figure 10 of the drawings.

60 The form of the invention illustrated in  
Figure 18 of the drawings is similar to that  
disclosed in Figure 3 thereof. The base 1 is  
provided with an aperture 1<sup>a</sup> adapted to re-  
ceive a reduced portion 2<sup>a</sup> formed upon a sub-  
stantially dome shaped housing 2 of hollow  
interior conformation to provide a bearing  
2<sup>a</sup> for a member 3<sup>a</sup> to which the pen support-  
ing member is secured as has been previously  
described. In this form of the invention the  
bearing member 3<sup>a</sup> is substantially tubular  
and includes conical extremities 3<sup>x</sup>, the bear-  
ing 2<sup>a</sup> being properly conformed to engage  
therewith.

65 To provide for proper frictional relation-  
ship as between the bearing member 3<sup>a</sup> and  
the housing 2, a flat spring member 3<sup>e</sup>—  
offset as at 3<sup>e</sup>— may be secured to the under

surface of the base as by screws or the like 3<sup>f</sup>.

It has been found in practice that the tapered portions 3<sup>e</sup> of the bearing member insure a more satisfactory frictional engagement within the housing whereby the pen holding member may be maintained in any desired adjusted position, and further more readily compensates for any wear resultant through continued use.

10 In Figure 19 of the drawings the base 1 is provided with an aperture 1<sup>a</sup> adapted to receive the reduced portion 2<sup>a</sup> on the dome shaped housing 2; the said reduced portion projecting downwardly through the base and  
15 being externally screw threaded for engagement of a locking nut 2<sup>b</sup>. The housing 2 is of hollow interior conformation to provide a bearing 2<sup>d</sup> for a substantially tubular bearing member 3<sup>d</sup> to which the pen holding member 3 is attached. The bearing member 3<sup>d</sup>  
20 includes conical extremities 3<sup>e</sup>, the bearing 2<sup>d</sup> being properly conformed to engage therewith. A frictional block 3<sup>e</sup> conformed to snugly fit against the member 3<sup>d</sup> is positioned therebeneath and may be retaining in desired  
25 frictional engagement therewith by any desired frictional and adjustable means.

Preferably such means comprises an adjusting nut screw threaded within the lower  
30 reduced portion of the housing as indicated at 3<sup>a</sup>, a resilient spring like member 3<sup>m</sup> being interposed between the said nut and the bearing block 3<sup>e</sup>; thus combining with a tubular bearing having conical extremities,  
35 frictional means variable or adjustable for maintaining the pen supporting member in any desired position.

In the forms of the invention illustrated in Figures 20 and 21 of the drawings, the  
40 base 1 is provided with an aperture 1<sup>a</sup> adapted to receive the reduced portion 2<sup>a</sup> of a dome shaped housing 2, which is provided with an interior bearing 2<sup>d</sup> for a pivotal member 3<sup>d</sup> to which the pen supporting member 3 is designed to be attached. In Figure  
45 20 of the drawings, the member 3<sup>d</sup> is illustrated as tubular, while in Figure 21 the said member is provided with the above described conical tapered extremities 3<sup>e</sup>. A leaf  
50 spring 3<sup>o</sup> is secured to the bottom of the reduced portion of the housing 2, as by screws or the like, and is adapted to bear against the under surface of the base, thereby resiliently and frictionally securing the housing  
55 as against too free rotation. A bearing block or pad 3<sup>k</sup> is adapted to be disposed against the under face of the bearing member 3<sup>d</sup>.

A coil spring 3<sup>o</sup> is disposed above the  
60 spring 3<sup>o</sup> and bears against the pad 3<sup>k</sup> insuring the proper frictional engagement of the bearing member 3<sup>d</sup> within the bearing 2<sup>d</sup>.

In the above described varied forms of the invention preferred mountings for the pen  
65 supporting member have been illustrated

and described, whereby the desired and proper frictional engagement may be maintained between the required parts and whereby any wear thereon may be compensated for.

The desk sets thus described are highly  
70 ornamental in appearance, and are both extremely durable and substantial in structure. They are simple of operation, readily assembled, economical of manufacture and through the combination therewith of the ink  
75 receptacle may be as conveniently used with the ordinary forms of writing pens as with fountain pens.

The invention having thus been described, what is claimed is:—

1. A desk pen set comprising a base having an aperture therein, a substantially hemispherical housing slotted on its upper surface rotatably mounted in said aperture, the  
80 said housing being provided with an internal cylindrical recess, a pen supporting member mounted within the said housing, the said pen supporting member comprising a pen retaining portion, a stem portion adapted to travel within the aforesaid slot and a  
85 cylindrical bearing portion mounted within the recess in the housing, and resilient means carried by the housing adapted to frictionally engage the cylindrical bearing.

2. A desk pen set comprising a base having an aperture therein, a substantially hemispherical hollow housing slotted on its upper surface rotatably mounted in said aperture, the said housing being provided with a cylindrical  
90 recess, a pen supporting member mounted within the said housing, the pen supporting member comprising a pen retaining portion, a flattened stem portion adapted to travel within the aforesaid slot and a  
95 cylindrical portion journalled within the recess in the housing, and resilient means carried by the housing adapted to frictionally engage the cylindrical bearing.

3. A desk pen set comprising a base having an aperture therein, a substantially hemispherical hollow housing slotted on its upper surface and provided with a cylindrical  
100 recess rotatably mounted within the said aperture, a pen supporting member mounted within the said housing, the pen supporting member comprising a pen retaining portion, a reduced stem portion adapted to travel  
105 within the aforesaid slot, and a cylindrical bearing portion journalled within the recess in the housing, and resilient means carried by the housing adapted to bear against the cylindrical bearing on the pen supporting  
110 member and retain the same in any desired adjusted position.

4. A desk pen set comprising a base having an aperture therein, a substantially hemispherical hollow housing slotted on its upper surface and provided with a cylindrical  
115 recess, rotatably mounted within the said aperture, a pen supporting member pivotally  
120  
125  
130

mounted within the said housing, the pen supporting member comprising a pen retaining portion, a reduced stem portion adapted to travel within the aforesaid slot, and a cylindrical bearing portion journaled within the recess in the housing, and resilient means carried by the housing adapted to frictionally engage the cylindrical bearing whereby to retain the pen supporting member in any desired adjusted position, and means for varying the tension of the said resilient means.

5. A desk pen set comprising a base having an aperture therein, a substantially hemispherical housing slotted on its upper surface and provided with an internal recess having a cylindrical bearing portion at the upper extremity thereof, rotatably mounted within the said aperture, a pen supporting member pivotally mounted within the said housing, the pen supporting member including a pen retaining portion, a reduced stem portion adapted to travel within the aforesaid slot and engage the sides thereof and a cylindrical bearing portion journaled within the recess in the housing, resilient means carried by the housing adapted to frictionally engage the cylindrical bearing, and sealing means carried within the pen retaining portion whereby the pen is maintained sealed.

6. A desk pen set comprising a base having an aperture therein, a substantially hollow hemispherical housing slotted on its upper surface and provided with a cylindrical recess rotatably mounted within the said aperture, a pen supporting member journaled within the said housing adapted for pivotal movement relative thereto, the pen supporting member including a pen retaining portion, a reduced stem portion adapted to travel within the aforesaid slot, and a cylindrical bearing portion journaled within the recess in the housing, resilient means carried by the housing adapted to engage the cylindrical bearing whereby to retain the pen supporting member in adjusted position, and sealing means carried by the pen retaining portion adapted to maintain the pen sealed, said means comprising a pair of toothed washers arranged in abutting relationship with the teeth thereof staggered.

7. A desk pen set comprising a base having an aperture therein, a substantially hollow hemispherical housing slotted on its upper surface and provided with a cylindrical recess, rotatably mounted within the said aperture, a pen supporting member journaled within the said housing, the pen supporting member comprising a pen retaining portion, a reduced stem portion adapted to travel within the aforesaid slot and a cylindrical bearing portion journaled within the recess in the housing, resilient means carried by the housing adapted to frictionally engage the cylindrical bearing whereby the pen retain-

ing portion may be maintained in desired adjusted position, said means comprising a coil spring seated within the recess in the housing, means for varying the tension of the said spring on the cylindrical bearing, and sealing means carried by the pen retaining portion whereby the pen may be maintained therein in sealed condition, the said means comprising a pair of abutting toothed washers, arranged so that the teeth of the one washer is disposed in staggered relationship with respect to the teeth of the other washer.

8. In a recessed holder for pens, means for retaining a pen therein in sealed condition, said means comprising a pair of washers toothed along their inner peripheries and arranged in abutting relationship, the said washers being so disposed that the teeth of one washer are staggered with respect to the teeth of the other washer.

9. In a desk pen set, in combination, a base having an aperture, a bearing member mounted within said aperture and adapted for yielding engagement with the base, a pen holding member mounted on said bearing member, the bearing member including a cylindrical portion having tapered conical extremities.

10. In a desk pen set, in combination, a base having an aperture, a bearing member mounted within said aperture and adapted for rotation under tension therein, and a pen holding member mounted on said bearing member, one of the members including a journal having an upper wall the outer portions of which are tapered adapted for engagement with a bearing formed upon the upper member, the said bearing being of cylindrical central conformation and having similarly tapered conical extremities.

11. In a desk pen set, in combination, a base having an aperture, a bearing member rotatably mounted within said aperture, a pen holding member mounted on said bearing member, one of the members including a bearing proper of substantially cylindrical conformation the outer extremities of which are frusto conical in conformation, and the other member being provided with a journal a portion of which is similar in conformation to the said bearing proper, and tensioning means for maintaining any desired adjusted relationship between the bearing member and the pen holding member.

12. In a desk pen set, in combination, a base having an aperture, a bearing member rotatably mounted within said aperture, a pen holding member pivotally mounted on said bearing member, one of the members including a bearing proper of cylindrical conformation the extremities of which are frusto conical in conformation and the other member including a journal for the said bearing a portion of which is similar in conformation thereto, and adjustable tensioning means for

maintaining any desired adjusted relationship between the bearing member and the pen holding member.

13. In a desk pen set, in combination, a base having an aperture, a bearing member rotatably mounted within said aperture, a pen holding member pivotally mounted on said bearing member, one of the members including a bearing proper of cylindrical conformation the extremities of which are frusto conical and the other member including a journal for the said bearing proper of similar conformation, and adjustable means for maintaining any desired relationship between the bearing member and the pen holding member, said means comprising a block adapted to bear against the bearing proper, the bearing surface of said block conforming to the tubular and conical surface thereof, and spring means for varying the pressure of the block.

14. In a desk set, a base, a receiving-receptacle, and means for mounting said receptacle on said base comprising a member rotatably mounted on said base, a member secured to said receptacle, said two members being connected together for swinging movement of said receptacle relative to said base, and a single spring means engaging said base and pressing said first member downwardly upon the base and tensioning the movements of said second member and said receptacle.

15. In a desk set, a base, a receiving-receptacle, and means for mounting said receptacle on said base comprising a member rotatably mounted on said base, a member secured to said receptacle, said two members being connected together for swinging movement of said receptacle relative to said base, spring means securing said base-mounted member to said base and also acting on said receptacle-mounted member for tensioning movements of said receptacle.

16. In a desk set, a base, a receiving-receptacle, and means for mounting said receptacle on said base comprising a member rotatably mounted on said base, a member secured to said receptacle, said two members being connected together for swinging movement of said receptacle relative to said base, and means for rotatably securing said base-mounted member to said base, said means also tensioning movement of said receptacle.

17. In a desk set, a base having an opening, a receptacle, a socket member having a part engaged in said base opening, a member on said receptacle engaged in said socket for swinging movement of said receptacle, a spring retainer carried by said socket member and engaging said base beneath said opening and also projecting into said socket member to engage said receptacle member for frictionally resisting its swinging movement.

18. In a desk set, a receptacle having one end open to receive the writing point end

of a writing instrument, a cap detachably mounted over the open end of said receptacle, said cap having a central opening through which the writing instrument is inserted, and means for retaining the writing instrument in said receptacle in sealed condition comprising a pair of superimposed washers between said cap and the part of said receptacle supporting it, said washers being formed of resilient material and having their inner peripheries serrated with the serrations of one washer staggered with respect to the serrations of the other.

19. In structure of the class described, a base, a receiving-receptacle having an opening to receive a fountain pen and means for mounting said receptacle for swinging movement on said base comprising a member mounted on said base, a swing-permitting connection between said receptacle and said member, and means carried by said receptacle between said swing connection and said receptacle opening for tensioning swinging movement of said receptacle and for holding the latter in any position to which it may be swung.

20. In structure of the class described, a base, a receiving receptacle having an opening to receive a fountain pen, and means for mounting said receptacle for swinging movement on said base comprising a member mounted on said base, a swing-permitting connection between said receptacle and said member, and spring means carried by said receptacle between said swinging connection and said receptacle opening for tensioning swinging movement of said receptacle and for holding the latter in any position to which it may be swung.

21. In a desk set, a base, a receiving-receptacle, and means for mounting said receptacle upon said base for swinging movement comprising a member fixed to said base, a member fixed to said receptacle, a swing-connection between said members, and tensioning means located between said receptacle and said second named member and opposing swinging movement of the latter.

22. In a desk set, a base, a receiving-receptacle, and means for mounting said receptacle upon said base for swinging movement comprising a member rotatably secured to said base, a member connected to said receptacle, a swing-connection between said members, tensioning means supported by said receptacle and opposing swinging movement of the latter, and separate tensioning means for opposing rotational movement of said base-mounted member.

In testimony whereof he affixes his signature.

ALEXANDER I. FERRIER.