July 14, 1931. W. GUYOT 1,814,085

DESK SET

Original Filed Jan. 26, 1926

Fig. 1.

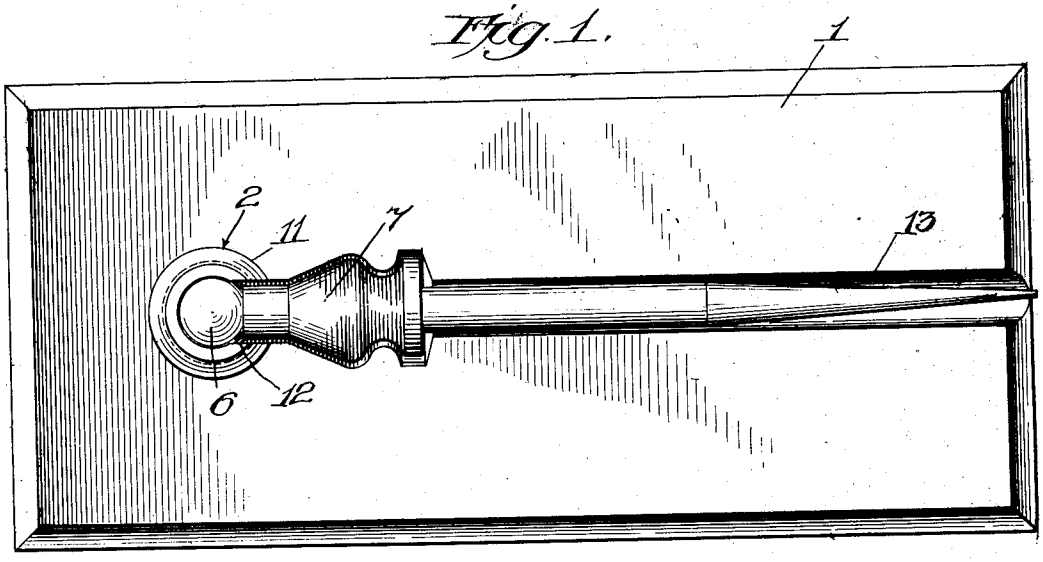


Fig. 2.

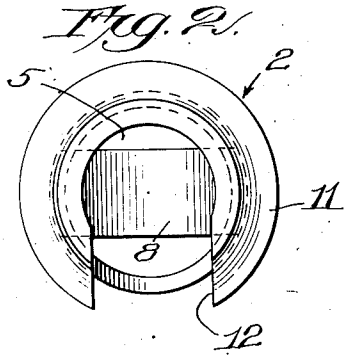


Fig. 4.

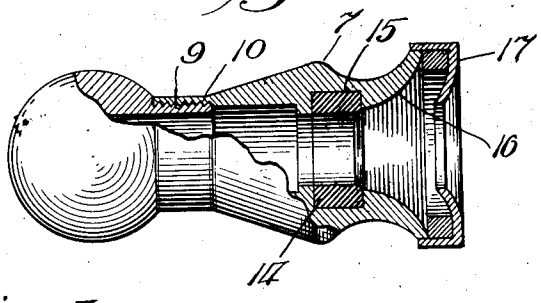


Fig. 5.

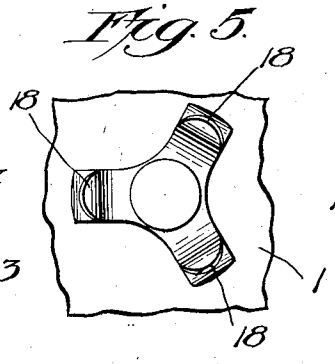


Fig. 3.

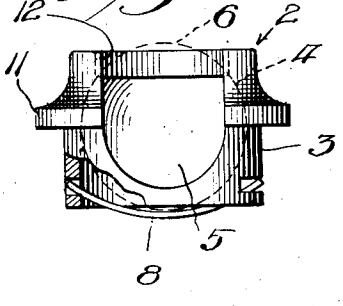
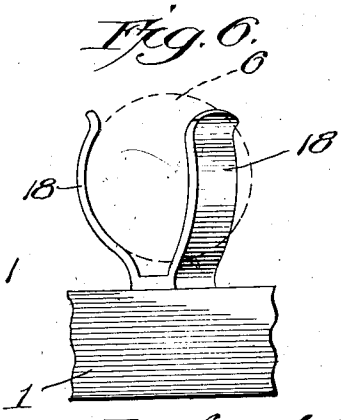


Fig. 6.



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1,814,085

UNITED STATES PATENT OFFICE

WALTER GUYOT, OF JANESVILLE, WISCONSIN, ASSIGNOR, BY MESNE ASSIGNMENTS, TO PEN DESK SET COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

DESK SET

Original application filed January 26, 1926, Serial No. 83,857. Divided and this application filed February 25, 1929. Serial No. 342,558.

My invention relates generally to desk sets for supporting fountain pens, and it is well adapted for desk sets which include a receptacle for receiving and holding the pen in such a manner that the pen will always be in writing condition and ready for use when required, which receptacle is mounted for swinging movement upon a support in such a manner that it will be available and conveniently accessible from any position from which it may be desired. One form of such a desk set is disclosed in my application, Serial No. 83,857, filed January 26, 1926, for Desk Set, of which this application is a division.

An object of my invention is to provide means within the pen receptacle for yieldably engaging and grippingly holding the pen in position within the receptacle during the swinging movements of the latter.

Another object of my invention is to provide ball socket means between the pen receptacle and its support, such means including a socket having yieldable wall sections or fingers for frictionally engaging the ball, providing for swinging movement of the receptacle and for holding the receptacle in any desired position.

My means of accomplishing the foregoing objects and other objects hereinafter set forth and claimed, will be more readily understood by referring to the accompanying drawings which are hereunto annexed, in which,—

Figure 1 is a top or a plan view of one form of my improved desk set;

Fig. 2 is an enlarged separated plan view of the socket shown in Fig. 1;

Fig. 3 is a separated elevational view of the socket shown in Fig. 2;

Fig. 4 is a separated view, partially in section, of the pen receiving receptacle;

Fig. 5 is a plan view of another form of mounting device for the receptacle; and

Fig. 6 is an elevational view of the mounting device shown in Fig. 5.

The desk set shown in the drawings includes a base 1 which is rectangular in plan and approximately an inch in thickness. It is to be understood, however, that my invention is not limited to the use of any special form of base.

As particularly shown in Figs. 1 to 4, inclusive, a holding member 2 is mounted upon the base 1, and this holding member is provided with an annular wall 3, the inner surface of which is machined, as at 4, to a spherical shape to form a socket 5 for a ball 6 attached to the pen receiving receptacle 7. The ball 6 is positioned in the socket 5 in the manner best illustrated in Fig. 3, and it is held in that position by a flat spring 8 mounted in the lower end of the mounting member 2. This spring 8 exerts tension against the ball 6, serving by frictional pressure to hold the ball 6 in any desired position, though any convenient means for producing the needed friction may be used.

The ball 6 and the pen receiving receptacle 7 may be made in one or more parts drilled out on the inside to permit of the insertion of the pen point section of the fountain pen. With reference to Fig. 4 of the drawings, the ball 6 is provided with an externally threaded neck or stem 9 which is fitted to coincide and engage with threads 10 formed on the inside of the inner end of the pen receiving receptacle 7. However, it may be found desirable in practice to make this a sliding fit instead of threading it, or it may be found desirable to make it slightly tapered. It will be apparent that no particular configuration of the pen receptacle is necessary to the performance of its function, as any suitable ornamental appearance may be adopted.

The holder 2 is provided with a shoulder 11 which is adapted to abut the top of the base 1. A recess 12 is formed in one side of the holder 2 to permit the pen-receiving receptacle 7 to be moved to a horizontal position as shown in Fig. 1. In order to enable the receptacle to be moved to this position with the particular arrangement shown in these figures, a groove 13, having the general configuration of the receptacle, may be provided in the base.

It will be apparent from the foregoing description that it is possible with a device of

this character to have the pen lying down on the base so that it can be conveniently and safely placed within a desk when it is to be closed down. At the same time, by mounting the pen receptacle 7 as I do, in a manner which permits it to swing in any desired direction and toward any to every point of the compass above the plane of the base 1 upon which the socket 5 is secured, it is possible for the pen to be moved to any angle that suits the convenience of the user.

It will be further apparent that, as the receptacle 7 is swung as just described, it is desirable to hold the pen in place therein. To this end, the inside of the pen receiving receptacle 7 may be provided with a soft rubber washer 14 (Fig. 4) to hold the pen in place purely by friction. This washer is mounted in an annular recess 15 formed in the inner wall surface of the pen receptacle in such a way that the pen passes through and is frictionally engaged by such washer when the pen is inserted in the receptacle. It is quite obvious that, when the pen is fully inserted in the receptacle and frictionally engaged as just described, the washer 14, by its inherent resiliency, will yield and grippingly engage and hold the pen within the receptacle, so that the pen will not be displaced in the receptacle by the swinging movements of the latter or upon its movement to any of its various angular positions with respect to the base.

The pen-receiving end of the receptacle 7 tapers inwardly as at 16 so as to render it more convenient to insert the pen into the receptacle. In some cases it may be found desirable to provide a cap 17 (Fig. 4) which will provide a space between the point of entrance and the point where the pen engages the rubber washer 14, or the wall of the hole drilled in the pen receiving receptacle, thus to insure a clean pen holder even though the pen should drop some ink.

The socket between the pen receptacle and base may take various forms and in Figs. 5 and 6 I have shown another form of socket. Specifically, this socket is formed of three fingers 18, which are conformed to the spherical contour of the ball 6, the resiliency of the metal out of which said fingers 18 are constructed serving to exert sufficient pressure upon the surface of the ball 6 to retain it in any desired position. These fingers 18 may be mounted upon the base 1 in any suitable or convenient manner.

Although I have shown and described certain forms of my invention, it is to be understood that I do not wish to be limited to the specific details shown and described, since it is obvious that various changes in details and arrangements of parts may be made without departing from the spirit and scope of my invention as defined by the claims which follow.

I claim:

1. In a fountain pen desk set, a pen-receiving receptacle having its outer end flared, resilient means within said receptacle frictionally engaged by the pen inserted therein, and a cap mounted upon the outer end of said receptacle and having a central opening therein through which the pen is initially passed.

2. In a fountain pen desk set, a pen-receiving receptacle having the outer end of its pen-receiving opening flared, pen-positioning means within said receptacle frictionally engaged by the pen inserted therein, and a cap mounted upon the outer end of said receptacle having a central opening therein of lesser diameter than the outer flared end of said receptacle opening through which the pen is initially passed.

3. In a fountain pen desk set, a pen-receiving receptacle having the outer end of its pen-receiving opening flared, a pen-positioning element within said receptacle frictionally engaged by the pen inserted therein, and a cap having an opening of lesser diameter than the diameter of the adjacent flared receptacle opening through which the pen is inserted whereby the pen is positioned in said receptacle and spaced from the outer part of the wall of the receptacle opening.

4. In a fountain pen desk set, a pen-receiving receptacle having its outer end flared, means within the receptacle adapted to support the writing end of the pen, and a cap carried by the outer end of the receptacle and having a central opening therein through which the pen is passed, the wall of said opening serving to align the pen substantially in central position in the receptacle upon said support means.

5. In a fountain pen desk set, a pen-receiving receptacle having an elongated receiving opening of greater width than the width of the pen to be inserted therein, means within the receptacle adapted to support the writing end of the pen with the latter spaced from the longitudinal wall of the receptacle opening, and a member carried at the receiving end of said opening and having an opening of lesser width than the width of the receptacle opening and through which the pen is passed into the receptacle opening, the said member together with said support means being adapted to support the pen centrally within the receptacle and spaced from the wall of the receptacle opening.

6. In a fountain pen desk set, a receptacle having an elongated opening open at one end to receive the fountain pen, pen-positioning means within said receptacle adapted to be frictionally engaged by the pen inserted therein, and a cap member mounted at the receiving end of said receptacle opening and itself having a central opening through which the pen is initially passed and the

wall of which is adapted to coact with the pen body to hold the pen in substantially central position in said receptacle engaged with said pen-positioning means.

7. In a fountain pen desk set, a receptacle having one end open to receive a fountain pen, means within said receptacle adapted to engage and support the writing end of the fountain pen, and means at the mouth of said receptacle and spaced substantially from said first means for engaging the barrel of the pen to prevent angular displacement of the pen relative to its end-support means.

8. In a fountain pen desk set, a receptacle having one end open to receive a fountain pen, means within said receptacle adapted to engage and support the writing end of the fountain pen, and means including a cap having a pen-receiving opening therein, at the mouth of said receptacle and spaced substantially from said first means for engaging the barrel of the pen, both of said means providing axially spaced supports for the pen to hold it in predetermined central position within the receptacle to prevent angular displacement of the pen relative to its end-support means.

9. In a fountain pen desk set, a pen-receiving receptacle, means within the receptacle adapted to surround the pen and engage its writing end, means at the entrance to the receptacle adapted to surround the pen and engage the same at a point spaced substantially from said first pen-engaging means for supporting the pen against displacement angularly with respect to the receptacle axis.

10. A receptacle for a fountain pen desk set which has an elongated opening of larger diameter than the pen to be received therein, a support within the receptacle opening adapted to engage the pen on all sides to support its writing end in spaced relation to the wall of the opening, and means at the mouth of said opening spaced from the first means and extending into the path of the pen when the latter is inserted in the opening to engage the pen at a point spaced from its writing end support to hold the pen in central position spaced from the wall of the opening.

11. A receptacle for a fountain pen desk set which has an elongated opening, a cap member supported at the mouth of said opening and having in itself an opening of less width than the receptacle opening, the wall of the cap member opening being adapted to fit the body of the pen, and a support element in the receptacle spaced inwardly from said cap member and adapted to engage the writing end of the pen, said cap member and support element being adapted to hold and position the pen centrally within the receptacle and spaced from the receptacle wall.

12. A holder for fountain pens comprising a base, a pen-receiving receptacle, means for swingingly mounting said receptacle on said base, and a rubber washer supported at its top and bottom edges within said receptacle frictionally engaged by the pen inserted therein for retaining the pen in central position in said receptacle.

13. In a desk set, a receptacle having an open and a closed end and adapted to be mounted upon a base for reception of a writing instrument, means for swingably mounting said receptacle on the base, and a resilient member mounted in said receptacle and through which the writing point of the writing instrument is adapted to pass freely, said member being adapted to yieldably embrace the writing instrument for supporting the same and for maintaining the same in central position as the writing instrument is grasped to move said receptacle from one position to another and said member also serving to seal the writing point of the writing instrument apart from the atmosphere.

14. A holder for fountain pens comprising a base, a pen receiving receptacle, means for swingingly mounting said receptacle on said base, a resilient member supported at its top and bottom edges within said receptacle, frictionally engaged by the pen inserted therein for retaining the pen in central position in said receptacle.

15. In a desk set, a receptacle for receiving a writing instrument, said receptacle being open at one end for the insertion of the writing instrument, and resilient means at the entrance to said receptacle for gripping and holding the writing instrument in place therein, and for sealing its writing point apart from the atmosphere.

In testimony whereof, I have subscribed my name.

WALTER GUYOT.