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COMBINATION POCKET AND DESK SET FOUNTAIN PEN

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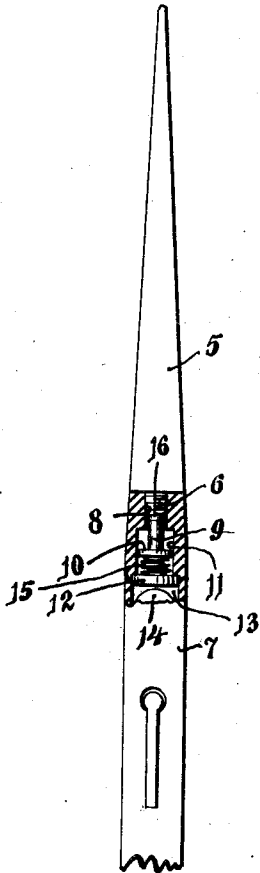


Fig. 1.

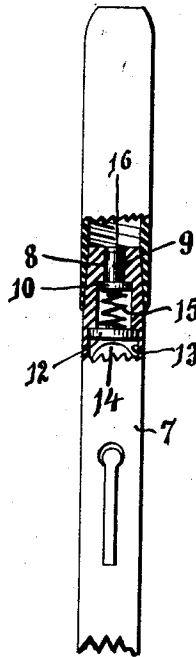


Fig. 2.

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UNITED STATES PATENT OFFICE

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COMBINATION POCKET AND DESK SET FOUNTAIN PEN

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My invention relates to means for coupling a tapered extension to a fountain pen barrel without any detachable means, to render the coupling joint unobtrusive on the fountain pen barrel, when from the same the tapered part is disconnected.

In the appended drawings, forming part of this application,

Figure 1 is a fragmentary elevation of a fountain pen for a desk set in which the coupling joint between the tapered extension and the fountain pen barrel is shown in section to illustrate the relative position of its parts, and

Figure 2 is a fragmentary elevation of a fountain pen barrel, and the fountain pen cap thereon also showing in section that part of the barrel and cap where the coupling joint is provided in the barrel.

Referring to the drawings, 5 is the tapered section which has a threaded stud 6 for which the normally closed end of the fountain pen barrel 7 has a threaded socket 8. By means of said stud 6 and socket 8, the fountain pen barrel 7 may be coupled to the tapered part 5 to form therewith a fountain pen for a desk set.

When the fountain pen barrel 7 is to be used as a pocket fountain pen, it is desirable to obliterate or render unobtrusive the end opening of the socket 8. For this purpose generally a detachable part is provided which may be mislaid. To remove this objectional feature, I close the socket opening by means of a spring actuating plunger 9, which fits closely into socket 8. The plunger 9 is provided with a head 10 for which a proper recess 11 is provided within the barrel 7. This recess 11 is closed by a disk 12, fitting into the bore 13 of the barrel 7, wherein the sack 14 is located.

Between the disk 12 and the head 10 of the plunger, a spring 15 is positioned to normally move the plunger so that its end, remote from the head 10, comes flush with the end of the barrel. This is obtained by properly locating the head 10 on the plunger 9. The end of the plunger 9 may be provided with a tip 16, which either matches the color

of the barrel end or decorates it in obliterating or hiding the socket opening.

When the tapered section 5 is unscrewed from the socket 8 of the barrel 7, the spring 15 moves the plunger to the position in Figure 2, and therefore hides the opening formed by the socket, by means of which the tapered section 5 is coupled to the barrel 7 when the pen is to be used as a desk set pen. This construction obviates the necessity of using a detachable part which may be mislaid or lost in the constant interchange between the pocket pen and a desk set pen, and adds to the finish of the article by decorating the end of the pen when exposed.

I claim:

1. In a combination pocket and desk set fountain pen, a fountain pen barrel having means for coupling a section thereto, and means carried by the barrel for hiding the point of said coupling.

2. In a combination pocket and desk set fountain pen, a barrel having a socket at the normally closed end thereof, for engaging a stud and a spring actuated plunger in the barrel normally tending to enter into the socket and become flush with the end of the barrel.

3. In a combination pocket and desk set fountain pen, a fountain pen barrel having a socket at the normally closed end thereof, for receiving a stud of a removable section, and means associated with the barrel, for entering or receding from said socket, accordingly whether the section is connected or disconnected from the barrel.

4. In a combination pocket and desk set fountain pen, a fountain pen barrel having a socket at the normally closed end thereof, for engaging a stud of a removable section and, a spring actuated plunger located in the barrel, and normally tending to enter the socket to fill the same.

5. In a combination pocket and desk set fountain pen, a barrel having means for coupling and uncoupling therefrom of a removable section, and spring actuated means carried by the barrel for hiding the point at which the removable section is coupled to the barrel.

6. In a combination pocket and desk set

fountain pen, a barrel having a threaded socket in the normally closed end of the fountain pen barrel for engaging a threaded stud of a removable section, and a spring actuated
5 plunger in the barrel for slidably engaging the threaded socket to be flush with the end of the barrel.

7. In a combination pocket and desk set fountain pen, a barrel having a socket at the
10 normally closed end thereof for engaging a stud of a removable section of the fountain pen, a plunger mounted to reciprocate in said socket, a spring normally tending to maintain the plunger in the socket, and means
15 on said plunger for limiting the motion thereof into the socket by the action of the spring.

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