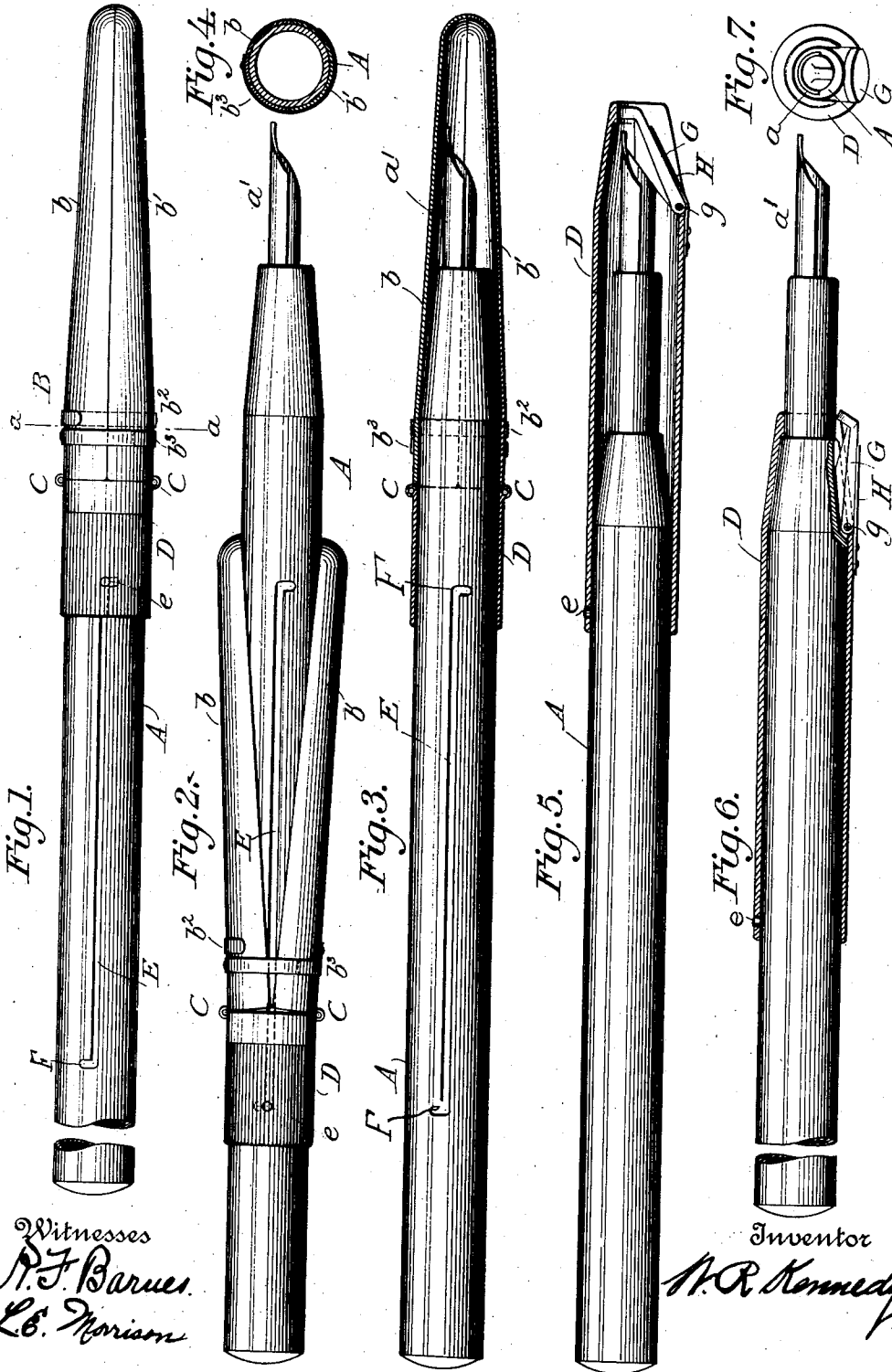


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W. R. KENNEDY.
CAP FOR FOUNTAIN PENS.
APPLICATION FILED JUNE 9, 1906.



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CAP FOR FOUNTAIN-PENS.

No. 832,981.

Specification of Letters Patent.

Patented Oct. 9, 1906.

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To all whom it may concern:

Be it known that I, WILLIAM R. KENNEDY, of Washington, District of Columbia, have invented a new and useful Improvement in Caps for Fountain-Pens, of which the following is a specification.

This invention relates to a closure or cap intended more particularly for fountain-pens, the object of the invention being to provide a cap which will be confined on the barrel or body of the pen, but which may be moved forward to cover the pen-point when the pen is not in use and drawn back to expose the pen-point when the pen is to be used, thus avoiding the necessity of removing the cap bodily from over the pen-point and applying it to the opposite end of the pen, as is necessary with fountain-pen caps now in general use.

With this end in view my invention consists primarily of a closure or cap adapted to close over and cover the pen-point and movable rearwardly on the pen body or barrel to uncover and expose the pen-point.

The invention consists also in forming the cap with a relatively movable portion adapted to open automatically when the cap is moved rearward.

The invention consists also in constructing the movable portion of the cap so that it will open laterally, whereby it will clear the point of the pen when the cap is drawn back on the body.

The invention consists also in the details of construction and combination of parts hereinafter described and claimed.

In the preferred embodiment of my invention the cap or closure comprises two conical half-shells adapted when in contact to close over and cover the point of the pen and separable to uncover the pen-point, the said shells being pivoted to a carrying-sleeve movable along the barrel of the pen, the movement of the sleeve rearward serving to automatically separate the half-shells to uncover the pen-point and acting to carry them rearward free of the pen-point, so as to expose the end of the pen to the grasp of the fingers for writing; but it will be understood that the invention may be embodied in other forms, as will be more fully described later on and illustrated in the drawings, the essential feature being that the cap or closure will be confined on the

pen-body and will be movable rearwardly to uncover and expose the pen-point.

In the accompanying drawings, Figure 1 is a side elevation of a fountain-pen equipped with my improved cap, the latter being shown in closed position. Fig. 2 is a similar view with the cap in open position and retracted on the pen-body. Fig. 3 is a side elevation of a pen, showing the cap in longitudinal section and in closed position. Fig. 4 is a transverse section on the line *a a* of Fig. 1. Fig. 5 is a longitudinal section through a cap of modified construction and in closed position. Fig. 6 is a similar view of the same opened. Fig. 7 is an end view of Fig. 6 looking in the direction of the arrow in said figure.

Referring to the drawings, referring particularly to Figs. 1 to 4, inclusive, A represents a fountain-pen embodying the barrel portion *a*, carrying, as usual, the pen-point *a'*. B represents my improved cap or closure comprising two opposing conical half-shells *b b'*, pivoted, as at C, to opposite sides of a carrying-sleeve D in such manner that they may be spread apart when the cap is to be opened or closed together over the pen-point, as shown in Figs. 1 and 3, the two half-shells being normally and when in closed position held yieldingly closed by means of two curved springs *b²* and *b³*, the spring *b²* being fixed at one end to the side of the shell *b'* and passing horizontally around and bearing with a spring-pressure against the opposite side of the shell *b*, while the spring *b³* is fixed to the side of the shell *b* and passes around and bears with a spring-pressure against the opposite side of the shell *b'*.

When in closed position, the sleeve D and half-shells of the cap are in the position shown in Fig. 1, at the forward end of the pen-barrel, with the half-shells held yieldingly together by the springs and conjointly forming a cap surrounding and covering the pen-point. In opening the cap when the pen is to be used the sleeve is drawn rearward along the pen-barrel, which action will cause the inner surfaces of the half-shells to contact with the forward end of the barrel, and thereby spread the half-shells apart against the closing action of the springs, the continued rearward movement of the sleeve serving to draw the two parts of the cap back to the

position illustrated in Fig. 2, thereby exposing the pen-point and the adjacent end of the barrel, so that the latter will be free of any obstruction and will offer a comfortable grasp to the fingers of the user.

In order that the cap may be guided in its movements back and forth and prevented from twisting around the barrel, so that it may maintain its proper relation to the pen-point and barrel, I form in the latter a longitudinal groove E, adapted to receive a pin e, carried by the sleeve, the contact of the pin with the ends of the slot acting to limit the forward and rearward movements of the cap and the slot and pin serving to confine the cap movably on the pen-barrel. The opposite ends of the slot may be provided with lateral recesses F, into which the pin may be turned by a lateral twisting motion in order to lock the cap against endwise movement when in either of its extreme positions.

Instead of forming the cap with the two spreading or movable sections or shells, as described, but one movable section may be provided, as illustrated in Figs. 5, 6, and 7, where it will be seen that the sleeve D extends forwardly and continuously at one side and is recessed in its opposite side to receive a movable section or door G, pivoted in the recess on a transverse axis *g* and having its outer end adapted to cooperate with and close against the extended end of the sleeve when the latter is moved forward, and thereby close over and cover the point of the pen. The section G is acted on by a flat spring H, fixed to the sleeve and bearing against the movable section and acting to yieldingly urge it toward the extended end of the sleeve, with which it cooperates. In opening the cap when the pen is to be used the sleeve, as in the first instance described, is drawn rearward along the body of the pen, which action will cause the section G to open laterally, the continued movement of the sleeve causing the parts to be drawn rearward free of the pen-point and adjacent parts of the barrel; so that the latter may be grasped for writing.

In both instances described the cap is of such form that it is confined movably on the pen-body, so that it may be moved back and forth, its construction being such that when in its forward position it will close over and cover the pen-point and when in its rearward position the pen-point will be uncovered and exposed.

While I have illustrated and described a construction by which the rearward movement of the cap serves to automatically open it laterally, it will be understood that this is not absolutely essential to the invention. Instead of providing for the automatic opening of the movable part of the cap it may be so formed as to be opened independently of the movement of the sleeve and before the sleeve is moved rearward. It is preferable,

however, to arrange the parts so that the lateral opening movement of the cap will be performed automatically by the longitudinal movement of the sleeve.

The invention is susceptible of various modifications as regards the detailed construction and arrangement of the parts. I believe myself, however, to be the first to provide a closure or cap which is confined on the pen-body and movable longitudinally thereof and adapted to respectively cover and uncover the point of the pen. I believe myself also to be the first to provide a cap or closure which is longitudinally movable on the pen-body and which opens in a lateral direction. I believe myself to be the first also to provide a cap or closure which when moved rearwardly along the pen-body will be automatically opened to expose the pen-point. It is obvious, therefore, that the invention may be embodied in various specific constructions without departing from the limits of my invention, provided the operation is substantially as set forth.

Having thus described my invention, what I claim is—

1. In combination with a fountain-pen, a laterally-opening cap or closure movable longitudinally thereon.

2. In combination with a fountain-pen, a cap for the same formed with a relatively movable section adapted to close over the pen-point, and movable to uncover the same, said cap being movable bodily rearward to expose the pen-point.

3. In combination with a fountain-pen, a closing-cap comprising two members adapted to close over the pen-point and separable to uncover the same, said members being movable bodily rearward to expose the pen-point.

4. In combination with a fountain-pen, a cap adapted to be opened and closed over the pen-point, and movable bodily on the pen-body, and means controlled by the bodily movement of the cap for opening it to uncover the pen-point.

5. In combination with a fountain-pen, a sleeve mounted to slide thereon, a cap comprising separable members carried by the sleeve, and means for holding said separable members yieldingly together to cover the pen-point; whereby the said members may be separated to uncover the pen-point, and withdrawn bodily to expose the same.

6. In combination with a fountain-pen, a cap adapted to be closed over the pen-point, and means for confining said cap on the body of the pen, said cap being movable bodily rearward on the pen-barrel to expose the pen-point.

7. In combination with a fountain-pen, a cap provided with a relatively movable section adapted to close over the pen-point and movable to uncover the same, said cap being movable bodily rearward on the pen-barrel,

and means controlled by the bodily rearward movement of the cap for operating its movable section to uncover the pen-point.

5 8. In combination with a fountain-pen, a cap confined thereon and adapted to close over and cover the pen-point, and movable rearwardly to expose the pen-point.

In testimony whereof I hereunto set my hand, this 9th day of June, 1906, in the presence of two attesting witnesses.

WILLIAM R. KENNEDY.

Witnesses:

CHAS. E. RIORDON,
L. E. MORRISON.