C. A. LUCK.

FOUNTAIN PEN CAP.

APPLICATION FILED MAY 21, 1919.

1,326,206. Patented Dec. 30, 1919.

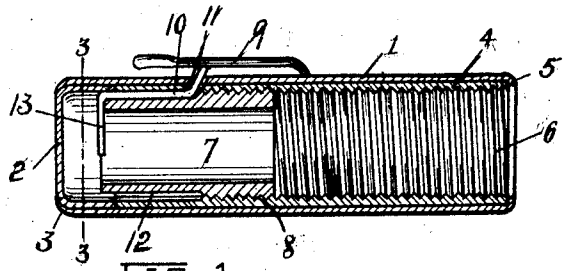


FIG -1-

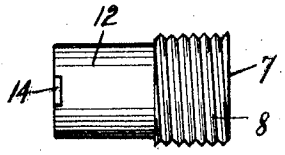


FIG-2-

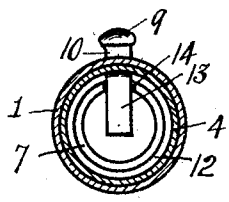


FIG-3-

INVENTOR

Charles A. Luck,

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UNITED STATES PATENT OFFICE.

CHARLES A. LUCK, OF TOLEDO, OHIO, ASSIGNOR TO THE CONKLIN PEN MANUFACTURING COMPANY, OF TOLEDO, OHIO, A CORPORATION OF OHIO.

FOUNTAIN-PEN CAP.

1,326,206. Specification of Letters Patent. Patented Dec. 30, 1919.

Original application filed January 22, 1919, Serial No. 272,480. Divided and this application filed May 21, 1919. Serial No. 298,709.

To all whom it may concern:

Be it known that I, CHARLES A. LUCK, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Fountain-Pen Cap; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to caps of the type more particularly intended for use in connection with fountain pens to inclose the pen point thereof when not in use, and has for its object the provision of a novel construction of cap adapting it to be made from thin metal or other suitable material in place of the hard rubber now commonly employed in the construction of caps of this character. The invention, however, does not exclude the use of hard rubber, but is more particularly directed to a construction which renders the use of metal practicable as a substitute for hard rubber.

The invention is fully described in the following specification, and while, in its broader aspect, it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a central longitudinal section of a cap embodying the invention and having a clip attached thereto. Fig. 2 is a side elevation of the clip holding member removed from the cap, and Fig. 3 is a cross section on the line 3, 3 in Fig. 1.

This application is filed as a division of the application for United States Letters Patent, filed by me January 22, 1919, Serial No. 272,480 for a fountain pen.

Referring to the drawings, 1 designates the outer cylindrical shell of the cap, which is preferably of thin metal, with its outer end closed by a cup form of plug 2, which is fitted therein and reinforced against outward movement by an inward crimping of the adjacent end edge of the shell 1 around its outer edge, as shown at 3. The plug 2 may be soldered, electric welded, or otherwise suitably fixed within the shell 1, as may be desired.

An intermediate shell 4 is fitted into the outer shell 1 with its inner end in abutment with the inner end edge of the plug 2 to retain the plug to its seat in the shell 1, and the outer or opposite end of the shell 4 is engaged by an inturned edge portion or flange 5 of the outer shell to prevent removal of the shell 4 from the outer shell. The shell 4 is provided for a distance back from its outer or open end with an internal thread 6 and an inner shell 7, which is considerably shorter than the shell 4, is provided at its outer end portion with threads 8 to adapt it for threading into the shell 4. When the inner shell 7 is screwed to desired position within the shell 4 its threaded end terminates a distance within the open end of the shell 4 to form a shoulder against which the outer end of the pen point carrying section of a fountain pen may abut to form an ink tight joint therebetween when the cap is mounted over the pen point carrying end of the pen, as is customary in fountain pens.

A clip 9 is carried by the cap and has its carrying spring or shank 10 extended through registering openings 11 in the outer and intermediate shells 1 and 4, adjacent to the inner ends thereof, and thence extends lengthwise of the cap toward the closed end thereof in the space 12 formed between the inner end portions of the shells 4 and 7 by reducing the outer diameter of the shell 7 or enlarging the inner diameter of the shell 4, or both, as desired. The inner end or tail piece 13 of the shank 10 is turned inward or crosswise of the inner end of said section to lock it against a back turning movement relative to the shell 4.

It is evident that the shank 10 has its inner end portion positioned within the shell 4 before the inner shell 7 is screwed home within the shell 4, and that when the shell 7 has been screwed a predetermined distance into the shell 4 the inturned end of the shank 10 will spring into the notch 14 and prevent a back turning of the shell 7.

It is evident that I have provided a simple and efficient construction of cap, the parts of which may be easily and quickly assembled, and which, when assembled, se-

cure the clip 9 in position, and which are also locked against relative loosening movements by the shank member of the clip, and that the thread 6 of the intermediate shell 4 may serve as the thread of the cap member for engaging it with the customary holding thread on the pen point carrying end of a fountain pen barrel.

I wish it understood that my invention is not limited to any specific construction, arrangement or form of the parts, as it is capable of numerous modifications and changes without departing from the spirit of the claims.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is,—

1. A fountain pen cap having three telescoped shells, the outer shell having one end closed and the two inner shells being in threaded engagement, with the outer end of the inner shell terminating short of the outer end of the intermediate shell, said intermediate shell being exposed for a portion of its length without the outer end of the inner shell.

2. A fountain pen cap having three telescoped cylindrical shells, the outer shell having one end closed and its other end turned inward to abut against the outer end of the intermediate shell, the two inner shells having threaded engagement, with the inner shell terminating within the outer shell in spaced relation to its open end to provide a stop shoulder.

3. A fountain pen cap comprising three telescoped cylindrical shells, the outer shell having one end closed and its other end turned inward to abut against the outer end of the intermediate shell, the two inner shells having threaded engagement, with the inner shell terminating within the other in spaced relation to its open end to provide a stop shoulder, and means engaging the inner end of the inner shell when in assembled position to prevent a back turning thereof with respect to the shell within which it is threaded.

4. A fountain pen cap having an opening through its side, a member threaded in said cap and terminating short of its open end to form a stop shoulder at its outer end and having its inner end notched, and a clip carrying shank extended through said opening and lengthwise for a distance between the cap and said member and having its tail piece extended inwardly transversely of the cap and engaging the notch in said member.

5. In a fountain pen cap, an outer shell having one end closed and its other end open, an intermediate shell fitted into the outer shell and threaded for a distance back from the open end of the outer shell, said outer end intermediate shells having registering side openings, an inner shell threaded into said intermediate shell with its outer end spaced a distance inwardly from the open end of the intermediate shell and having a notch in its inner end, and a clip carrying shank extended through said openings and thence rearwardly of the cap between portions of the inner and intermediate shells and having a transversely angled tail piece in engagement with the notch of the inner shell to prevent a back turning thereof.

In testimony whereof I have hereunto signed my name to this specification.

CHARLES A. LUCK.