June 9, 1931. G. LARSEN 1,808,779

FASTENING CLIP AND MEANS FOR ATTACHING THE SAME

Filed Oct. 22, 1929

Fig. 1.

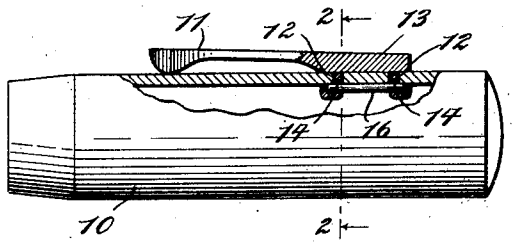



Fig. 2.

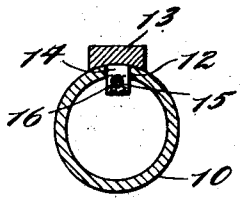



Fig. 3.

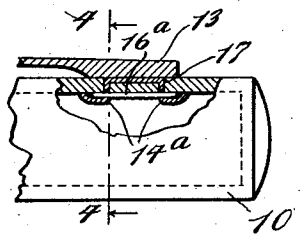



Fig. 4.

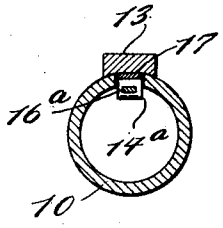



Fig. 5.

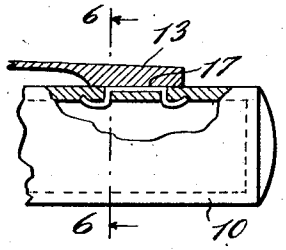



Fig. 6.

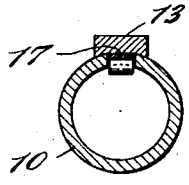



Fig. 7.

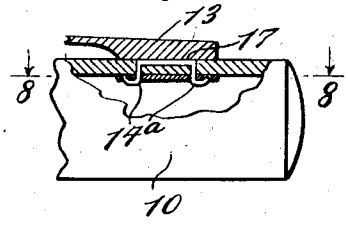
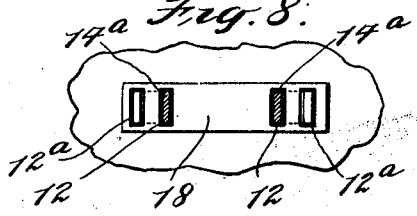



Fig. 8.




INVENTOR
Gabriel Larsen
BY
Gifford Scull Parmelee
ATTORNEYS

Patented June 9, 1931 1,808,779

# UNITED STATES PATENT OFFICE

GABRIEL LARSEN, OF SPRINGFIELD, NEW JERSEY, ASSIGNOR TO L. E. WATERMAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

## FASTENING CLIP AND MEANS FOR ATTACHING THE SAME

Application filed October 22, 1929. Serial No. 401,410.

My invention relates to new and useful improvements in a fastening clip for fountain pens, pencils and the like, and means for attaching the clip to the pen or pencil.

My invention more particularly relates to such a fastening clip and the means for attaching the same to a pen or pencil which are both durable and sightly.

My invention will best be understood by reference to the accompanying drawings, in which I have illustrated certain embodiments thereof, and in which Fig. 1 is a side view of the cap of a fountain pen in connection with which I have illustrated my invention, and a fastening clip attached thereto, a certain portion of the figure being broken away to illustrate parts in section; Fig. 2 is a section taken on the line 2—2 of Fig. 1; Fig. 3 is a view similar to Fig. 1 illustrating a modified form of the attaching means for the clip; Fig. 4 is a section taken on the line 4—4 of Fig. 3; Fig. 5 is a view similar to Fig. 1 illustrating a further modification of my invention; Fig. 6 is a section taken on the line 6—6 of Fig. 5; Fig. 7 is a view similar to Fig. 1 illustrating a still further modified form of my invention, and Fig. 8 is a sectional plan view taken along the line 8—8 of Fig. 7.

Like reference characters indicate like parts throughout the drawings.

Referring now to the drawings, and first to Figs. 1 and 2, 10 is the cap of a fountain pen, the same being of tubular form to which is attached a fastening clip 11. The wall of the cap 10 is perforated and is here shown as formed with two openings 12. The base portion 13 of the fastening clip is provided with lugs 14 which extend through the openings 12 in the wall of the cap 10. In the embodiment of my invention illustrated in Figs. 1 and 2, the lugs 14 are perforated as at 15, and a bar 16 passes through said openings on the inside of the wall of the tubular member and extends slightly beyond the perforated portion of the wall of the pen cap.

The ends of the lugs 14 are turned outwardly and upwardly over the ends of the bar 16 and preferably into engagement, or substantial engagement, with the inner wall of the pen cap. The operation of bending the ends of the lugs outwardly and upwardly over the ends of the bar is performed by a suitable tool which need not be described. In the embodiment of my invention here illustrated, the lugs 14 are struck up from the base portion 13 of the fastening clip.

In the embodiment of my invention illustrated in Figs. 3 and 4, a staple 17 provided with two lugs $14^a$ is secured to the base 13 of the fastening clip preferably by welding, and the lugs extend through openings in the wall of the pen cap as they do in Fig. 1. In the form of my invention here shown, the bar $16^a$ is flat and lies against the inner surface of the wall of the pen cap. The ends of the lugs 14 are bent up around the ends of the lugs $14^a$, as in Fig. 1.

In the embodiment of my invention illustrated in Figs. 5 and 6, a staple 17 is secured to the base portion 13 of the clip as in Fig. 3, and the ends thereof are bent outwardly and upwardly and preferably bite into the wall of the pen clip.

In the embodiment of my invention illustrated in Figs. 7 and 8, a flat or cylindrical plate 18 is provided with two sets of openings 12 and $12^a$. This plate is placed within the cap or other tubular member, and the lugs $14^a$ are inserted through the openings 12, 12 of the two sets, and the ends thereof are then bent outwardly and upwardly into the openings $12^a$, $12^a$, thereby securely attaching the fastening clip to the wall of the cap.

Fastening clips have usually been attached to a pen cap or the wall of a pencil by riveting the same thereto. Difficulty has been experienced, however, because of the tendency of the pivots to be torn out either of the clip or the wall of the tubular member to which it is fastened, or both.

In accordance with my invention, no rivets are provided which can in practice be loosened. Furthermore, the attaching means for the pen clip, which are provided in accordance with my invention, securely attach the pen clip to the tubular member with no possibility of its being disengaged therefrom. Furthermore, the outer portion of the fastening clip attached to the tubular member in accordance with my invention, presents a plain surface

with no rivets appearing and which is sightly in appearance.

I claim:

1. In a device of the character described, a tubular member the wall of which is provided with two spaced openings, a fastening clip the base of which comprises two lugs extending through said openings, and a bar provided with openings located within said tubular member and spanning said openings and extending beyond the same, the ends of said lugs passing through said openings and being bent upwardly and outwardly to secure said bar in position against the inner wall of said tubular member.

2. In a device of the character described, a tubular member the wall of which is provided with two spaced openings, a fastening clip having a base portion adapted to engage said tubular member, and a staple having a straight portion welded to the base portion of said clip and formed with lugs extending through said openings, the ends of said lugs being bent to secure the clip in position against the outer wall of said tubular member.

3. In a device of the character described, a tubular member the wall of which is provided with two spaced openings, a fastening clip the base of which comprises two lugs extending through said openings, and a flat bar provided with two sets of openings, each set comprising two openings, the respective lugs extending through one of the openings of each set and being bent at their ends upwardly into the other openings.

4. In a device of the character described, a tubular member having a perforated wall, a fastening clip the base of which comprises two perforated lugs extending through said perforated wall, and a bar extending through the perforations of said lugs within the wall of said tubular member and beyond the perforated portion of said wall, the ends of said lugs being turned upwardly and outwardly over the ends of said bar.

GABRIEL LARSEN.