May 24, 1927. 1,629,775

S. COLLANDER

PEN ATTACHMENT

Original Filed Oct. 12, 1922

Fig. 1.

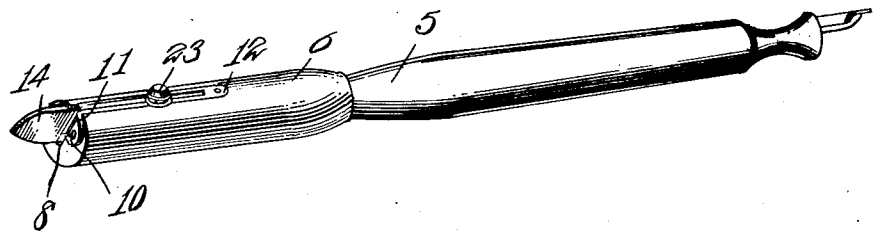


Fig. 2

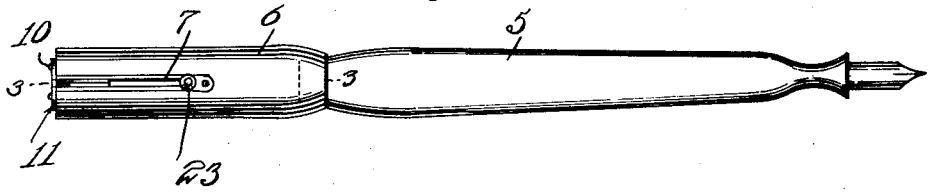


Fig. 3

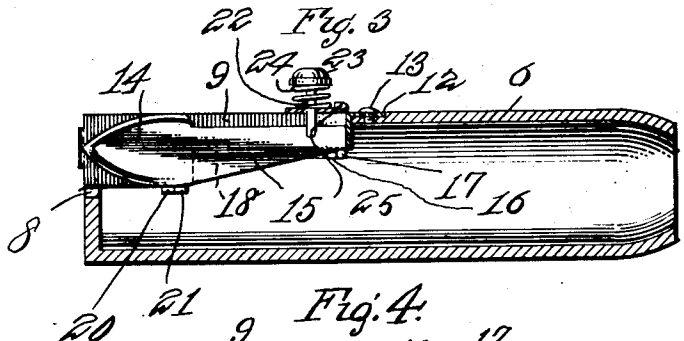
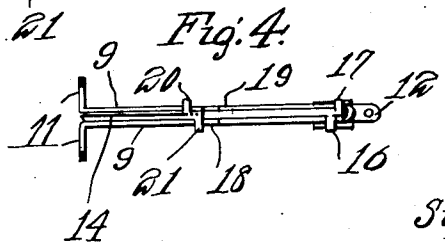


Fig. 4.



Inventor
Stanley Collander

Witnesses
G. H. Day Co.
Frank Fraser.

By Richard B. Owen.
Attorney

Patented May 24, 1927. 1,629,775

UNITED STATES PATENT OFFICE.

STANLEY COLLANDER, OF SCRANTON, PENNSYLVANIA.

PEN ATTACHMENT.

Application filed October 12, 1922, Serial No. 594,123. Renewed October 20, 1926.

My invention relates to improvements in pen attachments, and has particular reference to an attachment carried in the cap of the ordinary fountain pen.

An object of my invention is to provide an eraser that is adapted to be carried by the cap of the ordinary fountain pen and which, when not in use, may be swung out of an operative position.

A further object of my invention is to provide a pen attachment that will not interfere with the ordinary uses of the pen and which may be swung into and out of an operative position at ease when so desired.

A still further object of my invention is to provide a pen eraser attachment that is strong, durable, simple and inexpensive in construction, and that is well adapted to the use for which it is designed.

Other objects and advantages of the invention will become apparent during the course of the following description:

In the drawings, wherein like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of a fountain pen, showing the eraser in an operative position,

Figure 2 is a top plan view of the same, showing the eraser in an inoperative position,

Figure 3 is a section taken on line 3—3 of Figure 2, and

Figure 4 is a bottom plan of the eraser removed.

In the drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates an ordinary form of fountain pen, which is provided with the usual cap 6. The cap 6 may be, if it is so desired, a little longer than the usual cap, so that my attachment will not interfere in any way with the pen point when same is inserted within the cap.

The cap 6 is provided with a longitudinally extending slot 7 and a transverse slot 8 extending substantially one-half the diameter of the end of the cap. A metallic strip 9 is adapted to be received within the slots 7 and 8, said slots 7 and 8 being wide enough to allow the metallic strip 9 to be bent back upon itself as clearly shown in the drawings, and the sides thereof being in spaced relation. The ends of the strips 9 are bent angularly and small screws or the like 10 are passed through the angular extensions 11 into the cap 6 to hold the strip firmly in place. An angular lip 12 is also provided, and a screw 13 is passed therethrough into the cap 6 to more firmly hold the strip 9 in place.

An eraser member 14 which is carried on a shank 15 is adapted to be reciprocated between the sides of the strips 9. As is clearly shown in Figure 4 of the drawings, the end of the shank 15 is provided with integral diametrically opposed lugs 16 and 17 which are adapted to ride along the lower edge of the strip 9, said strip 9 being provided with the off-set notches 18 and 19, respectively, to receive the diametrically opposed lugs 16 and 17 whenever the eraser element 14 is in an operative position. At the juncture of the erasing element 14 and the shank 15, similar lugs 20 and 21 are provided to more rigidly hold the erasing element when the same is in an operative position. An upstanding pin 22 is mounted near one end of the shank 15, and a knob 23 is mounted thereon. A coiled spring 24 is adapted to be mounted on the upstanding pin 22 and a washer 25 is adapted to overlie the slot and to ride along the upper edge of the strip 9 as will be readily understood.

It will thus be seen that normally the erasing element 14 will be in a retroactive position as is clearly illustrated in Figure 3 of the drawings. When it is desired to use the erasing element 14 the knob 23 is pulled to retract the spring 24 thereby disengaging the diametrically opposed lugs 16 and 17, and the knob 23 is moved outwardly until the diametrically opposed lugs 16 and 17 are adapted to be seated within the notches 18 and 19. When the erasing operation is over, the knob 23 is again detached and the erasing element 14 may be swung out of an operative position. It will also be seen that I have devised a very efficient erasing attachment for fountain pens which may easily be swung into and out of an operative position and which will not in any way interfere with the usual operation of a pen.

It is to be understood that the form of my invention herein shown and described is to be taken as the preferred embodiment of the same and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claims.

Having thus fully described my invention what I claim is:

1. A device of the class described including a hollow handle having a longitudinally extending slot and a transverse extending slot communicating with the other slot and positioned in its end, a U-shaped member positioned in the hollow handle having its ends projected through the second mentioned slot and bent to provide angular extensions fixed to the end of the handle, said member provided with notches, an eraser having projections for engaging the slot and means on the eraser projecting from the first mentioned slot whereby the eraser may be moved to disengage its projection from the notches and move longitudinally of the handle either in a projected position or a withdrawn position.

2. A device of the class described including a hollow cap member having a slot formed therein, a U-shaped guide member positioned in the said slot having angular projections at the extremities for securing same to the said hollow cap, means formed on the U-shaped member for limiting the movement of a movable member, an eraser having projections for engaging the limiting means formed on the U-shaped member, and means for slidably actuating the said eraser in a projected or enclosed position.

3. A device of the class described including a hollow cap member having a slot formed therein, a U-shaped guide member positioned in the cap adjacent the said slot, projections formed on the extremities of the guide member for securing same to the cap, means formed on the said U-shaped member for limiting the movement of a member slidable therebetween, an eraser member slidably mounted in the U-shaped guide, projections formed on the eraser adapted to engage limiting means formed on the U-shaped guide member, and a projection adapted to slidably actuate the eraser.

In testimony whereof I affix my signature.

STANLEY COLLANDER.