W. L. WALKER.

PEN.

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1,288,314. Patented Dec. 17, 1918.

Fig. 1.

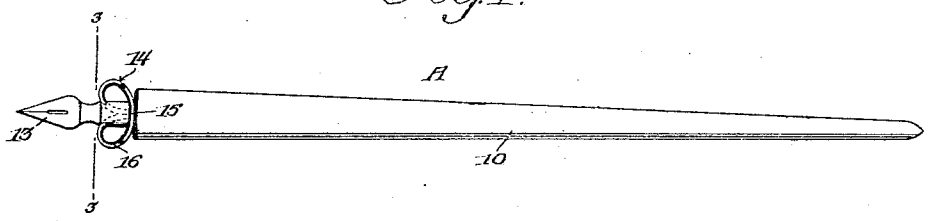


Fig. 2.

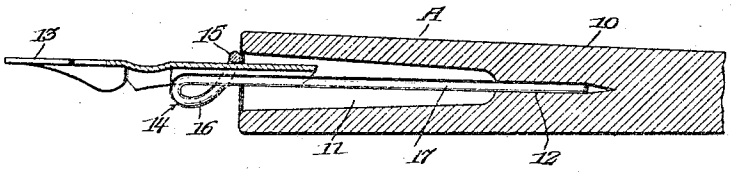


Fig. 3.

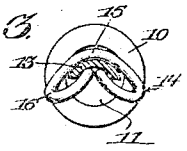
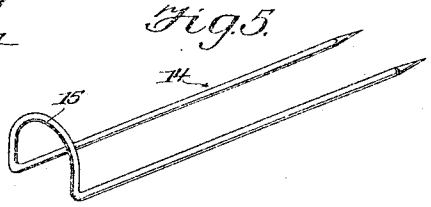


Fig. 5.



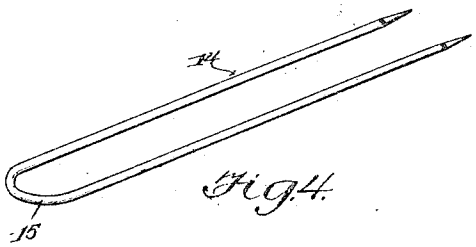
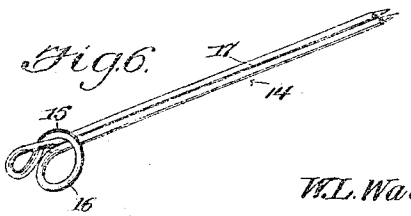


Fig. 4.

Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

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PEN.

1,288,314. Specification of Letters Patent. Patented Dec. 17, 1918.

Application filed February 20, 1918. Serial No. 218,295.

To all whom it may concern:

Be it known that I, WILLIAM L. WALKER, a citizen of the United States, residing at Portland, in the county of Cumberland and State of Maine, have invented new and useful Improvements in Pens, of which the following is a specification.

This invention relates to a pen and more particularly to the holder for the point thereof.

The primary object of the invention is to provide a pen having a point holder which is so constructed and mounted in the handle of the pen that although the pen point is firmly retained in the handle it may yield under depression resulting from the movements of the hand as the point is guided over a surface while the pen is in use.

Another object of the invention is to so construct the holder for the point of the pen that it may be substituted for the pen point holders in the handles of most of the pens now in use.

With these and other objects now in use the invention resides in the novel combination and arrangement of parts which will be hereinafter described and particularly pointed out in the claims.

In the drawing:

Figure 1 is a perspective view of a pen wherein the handle and point holder are constructed in accordance with the invention.

Fig. 2 is a longitudinal sectional view upon an enlarged scale through a portion of the pen.

Fig. 3 is a vertically transverse section on the line 3—3 of Fig. 1.

Fig. 4 is a perspective view of the strip of resilient material from which the pen point holder is formed.

Fig. 5 is a view similar to Fig. 4 showing the strip after the first bending thereof.

Fig. 6 is a perspective view of the pen point holder.

Like characters of reference denote the corresponding parts throughout the several views in the drawing.

Referring now to the drawing in detail the letter A designates a pen wherein the handle and point holder are constructed in accordance with the invention to allow the pen point to yield under the pressure exerted thereon by the movement of the hand as the point is guided over a surface when the pen is in use.

The pen A includes a tapered handle 10 which may be of any material suitable for the purpose and is provided in its larger end with a socket 11. The socket 11 is of circular shape in cross section and is provided at its inner end with an extension 12 and it is preferable that the socket taper from its outer end toward its inner end as shown in Fig. 2 in the drawing although this is not necessary.

The shank of the pen point 13 which may be of any type desired is retained within the socket 11 in the handle 10 by a resilient holder 14.

The holder 14 is formed from a strand of wire which is initially bent into U shape and then bent adjacent the closed end of the U to provide a yoke 15 between the sides of which the shank of the point 13 is passed with the curved portion of the yoke overlying the convex side of the shank. The portions of the strip of material which comprise the sides of the U are now passed between the sides of the yoke 15 and provide the sides of the yoke at their lower ends with loops 16 which are arranged in advance of the yoke and receive between the sides thereof a portion of the shank of the point 13. The portions of the sides of the U which extend the loops 16 provide the holder with attaching arms 17 which extend the entire length of the socket 11 and are embedded and within the extension 12 thereof. The arms 17 are bent to contact with each other for the greater portion of their length and are held firmly pressed against the concavity side of the shank of the pen point 13 by the loops 16. The ends of the arms 17 distant from the loops 16 are preferably pointed, so that when the holder 14 is to be substituted for the holder in the handle of the pen of some of the types now in use the arms may be driven into the handle of the pen through the end wall of the socket in the pen handle from which the holder has been removed.

When it is desired to apply a pen point to a pen handle constructed and equipped with the pen point holder as shown in the drawing, the shank of the pen point is passed between the yoke and the arms 17 and forced within the socket 11, thus enabling the pen point to yield under pressure while the pen is in use although the pen point is prevented from working out of the socket 11.

Having thus described the invention what is claimed as new, is:

1. A pen handle having a socket in one end thereof, a pair of resilient arms removably mounted in said handle and extending exteriorly of the handle through said socket, coils at the outer ends of said arms, and a yoke connecting said coils between the sides of which said arms pass.

2. A pen holder comprising a handle and a U-shaped member having its ends connected with said handle, said member having its legs brought together and its closed end looped upon the legs to provide a pair of coils for engaging the pen point.

In testimony whereof I affix my signature.

WILLIAM L. WALKER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."