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R. F. GEORGE

1,747,701

LETTERING PEN

Filed May 11, 1927

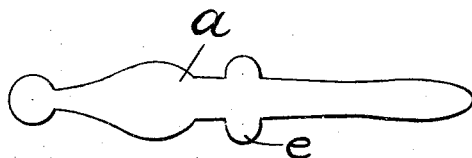


FIG. 1.

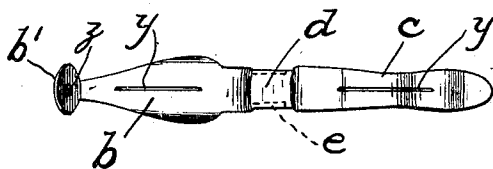


FIG. 2.

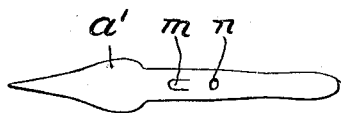


FIG. 8.

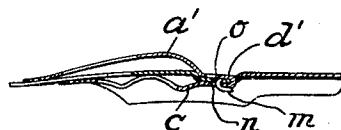


FIG. 9.

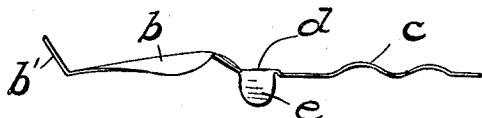


FIG. 3.

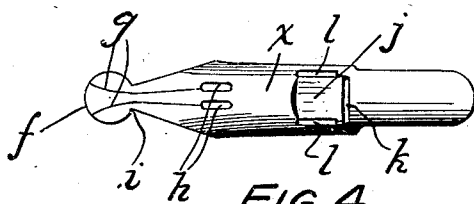


FIG. 4.

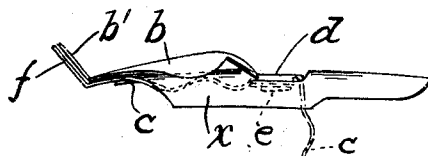


FIG. 5.

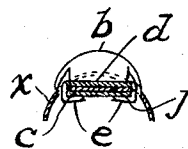


FIG. 7.

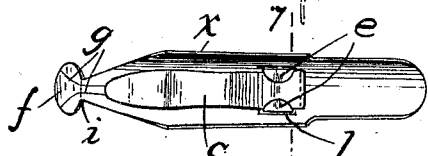


FIG. 6.

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LETTERING PEN

Application filed May 11, 1927. Serial No. 190,629.

My invention relates to improved pens. Heretofore pens have been produced which include a pen point proper, provided with a writing surface or a special marking surface formed by bending or turning up the nibs of the pen, and a feeder so combined with the pen point as to form therewith a reservoir for ink. Pens as heretofore produced have been provided with both under and over feeders, formed singly and in one piece, and such feeders have been secured to the pen point in a variety of ways.

Heretofore pens of the character indicated have not been found entirely satisfactory for the reason, among others, that no entirely satisfactory or commercially practical method for attaching the feeder to the pen point has been developed; and for the reason that the rear portion of the feeder, as heretofore attached, acts to unduly limit the insertion of the pen point into a pen holder.

Now, it is the object of my invention to provide a lettering pen involving in its construction a novel and efficient method of combining the pen point and feeder and of effectively securing the feeder to the pen point.

Having now indicated, in a general way, the nature and purpose of my invention, I will proceed to a detailed description thereof with reference to the accompanying drawings in which there is illustrated a preferred embodiment and in which:—

Fig. 1 is a plan view of a blank for the formation of a feeder for a lettering pen embodying my invention.

Fig. 2 is a plan view of a feeder formed from the blank shown in Fig. 1.

Fig. 3 is a side view of the feeder shown in Fig. 2.

Fig. 4 is a plan view of a pen point.

Fig. 5 is a side view of the pen point shown in Fig. 4, with the feeder shown in Fig. 3 attached; the application of the feeder being indicated by dotted lines.

Fig. 6 is a bottom view of the subject of Fig. 5.

Fig. 7 is a sectional view on line 7—7, Fig. 6.

Fig. 8 is a plan view of a blank for a modified form of feeder.

Fig. 9 is a sectional view of a lettering pen embodying a modification of my invention.

Referring to Figures 1–7 inclusive, in which I have shown an embodiment of my invention as applied to a lettering pen, *a* indicates a feeder blank, preferably stamped from some light metal, as brass. The feeder formed from the blank *a* and shown in Figures 2 and 3 comprises an over feeder portion *b*, of conventional shape and including a portion *b'* adapted to overlie the writing surface *f* of a pen point, an under feeder portion *c*, and a body or connector portion *d* from opposite sides of which extend lateral ears *e*. The feeder may be provided, if desired, with longitudinal slots *y* to facilitate cleaning, or in place of the slots *y* grooves may be provided to effect a division of the end load; and the portion *b'* may, if desired, be provided with an aperture *z* through which ink will pass when pressure is applied to the marking surface and through which it will return on release of pressure, thus avoiding spreading over the edges of the marking.

The pen point *x* is provided with nibs bent up to form a marking surface *f*, the nibs being formed by slits *g* extending from the pierce holes *h*. The ends of the nibs are enlarged to produce a marking surface of substantial area and of desirable shape and the slits *g* are extending in substantial parallelism from the pierce holes through the neck *i* of the nibs beyond which they are curved away from each other, or extended at an angle, in order that the side members of the marking surface may not be unduly large in relation to the central member, as would occur did the slits continue to the end of the nibs in substantial parallelism, without weakening the neck of the nibs. The pen point at a distance from the pierce holes may be provided with a formation *j* in its upper surface corresponding generally in size and shape to the body of connector portion *d* of the feeder. At the rear end of the formation *j* the pen point is provided with a transverse slot *k* and longitudinal slots *l* are

provided along the side edges of the formation.

In the assembly of the feeder and pen point, the feeder, having been formed into the shape shown in Figs. 2 and 3, is positioned on top of the pen with the body *d* lying within the formation *j*, the under feeder portion *c* extending through the transverse slot *k* and the ears extending through the longitudinal slots *l*, see Fig. 5. The under feeder portion is then bent up to the underside of the pen point and the ears bent against the under feeder portion, thereby fastening the feeder as a whole securely to the pen point.

It will be understood that the formation *j* may be either a depression or a raised portion, the body portion *d* of the feeder being shaped to fit the pen point; and it will be further understood that the formation *j* may be eliminated if desired.

Referring now more particularly to Figures 8 and 9, which illustrate a modification of my invention, in connection with a marking pen, the feeder *a'* has formed in its body portion *d'* a tongue *m* and in its under feeder portion *c'* an opening *n*.

The feeder *a'* is formed and assembled with the pen point in the same manner as is the feeder *a*, however the tongue *m*, when the feeder is assembled is passed through an opening *o*, in the formation *j'* in the pen point, through the opening *n* in the under feeder portion and finally bent against the under feeder, as shown in Fig. 9, to fasten the feeder securely to the pen point.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:—

1. A pen comprising, in combination, a pen point provided with an opening spaced from the marking surface of the pen and a feeder extending through said opening and bent upon itself to form a pair of members extending toward the nibs of said pen point adjacent the upper and lower surfaces of the pen point respectively.

2. A pen comprising, in combination, a pen point provided with an opening spaced from the marking surface of the pen and a feeder extending through said opening and bent upon itself to form a pair of members extending toward the nibs of said pen point adjacent the upper and lower surfaces of the pen point respectively, a portion of said feeder being provided with a tongue adapted to engage with another portion of said feeder to secure said feeder to the pen point.

3. A pen comprising, in combination, a pen point provided with an opening spaced from the marking surface of the pen and a feeder extending through said opening and secured to the pen point, said feeder being bent upon itself to extend toward the nibs of said pen point adjacent the upper and lower surfaces of the pen point respectively.

4. A pen comprising, in combination, a pen point provided with a formation in its upper surface and slotted transversely adjacent said formation and a feeder having a body portion adapted to engage said formation, the feeder extending through said transverse slot and being bent upon itself to extend toward the nibs of said pen point adjacent to the upper and lower surfaces of the pen point.

5. A pen comprising, in combination, a pen point provided with a depression in its upper surface and slotted transversely and longitudinally adjacent said depression and a feeder having a body portion adapted to seat in said depression, the feeder extending through said transverse slot and being bent upon itself to extend toward the nibs of said pen point adjacent to the upper and lower surfaces of the pen point, said feeder being provided with an ear extending through said longitudinal slot and adapted to secure the feeder to the pen point.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Pennsylvania, on this 3rd day of May, 1927.

ROSS F. GEORGE.