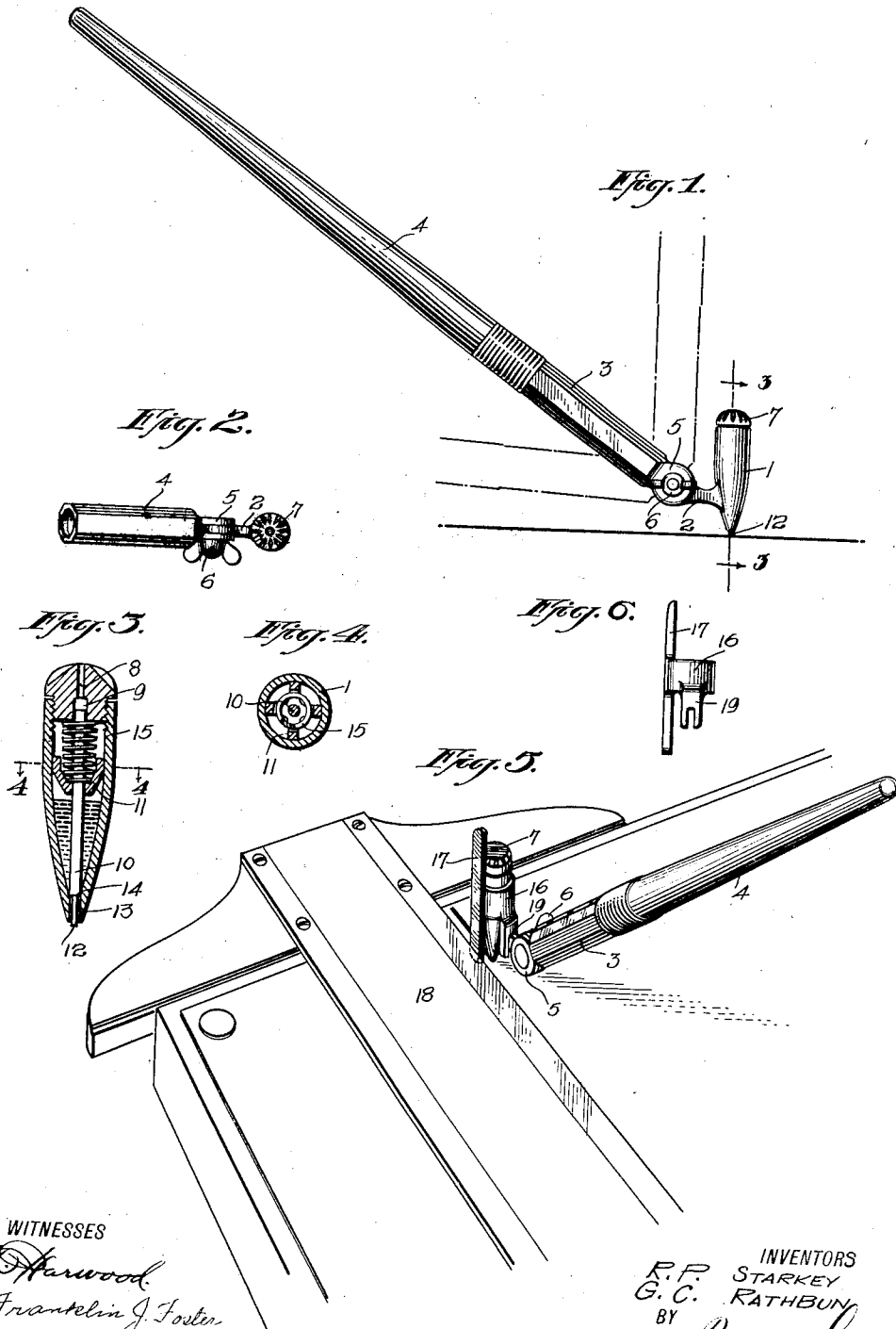


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PEN.

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To all whom it may concern:

Be it known that we, ROBERT PIERPONT STARKEY and GEORGE CLAYTON RATHBUN, both citizens of the United States, and residents, respectively, of San Francisco, in the county of San Francisco and State of California, have invented a new and Improved Pen, of which the following is a full, clear, and exact description.

This invention relates to improvements in pens and particularly to lettering or drawing pens, an object of the invention being to provide a pen of this character having an ink reservoir and to provide improved means for keeping the ink from drying in the reservoir so that it is unnecessary to fill and clean the pen each time it is used.

A further object is to provide a pen which is readily adjustable relative to its holder so that the user may incline the pen holder at any angle and the pen will still be presented in upright position on the paper.

A still further object is to provide a pen of this character which will be simple and practical in construction, neat and attractive in appearance and durable and efficient in use. It is also an object of the invention to provide an improved attachment for the pen which will act as a spacing member when the pen is used in connection with a T-square or other device having a ruling edge.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a view in side elevation of my improved pen and pen holder, the dotted lines indicating other positions which may be assumed by the pen holder.

Figure 2 is a top plan view of the pen and a portion of the holder.

Figure 3 is a view in vertical section on the line 3—3 of Figure 1.

Figure 4 is a view in transverse section on the line 4—4 of Figure 3.

Figure 5 is a perspective view illustrating my improved attachment applied to the pen and showing its manner of use.

Figure 6 is a view in side elevation of the attachment.

Referring in detail to the drawings, 1 represents the fount of the pen. The fount is of cylindrical shape tapering at its lower end and internally threaded adjacent its upper end. An apertured lug 2 projects laterally from the fount 1 adjacent its lower end.

The pen holder preferably comprises a metal sleeve 3 into one end of which any appropriate handle member 4 is fitted. The other end of the sleeve is closed and a bifurcated member 5 is made integral therewith. The arms of the bifurcated member are perforated and receive the apertured lug 2 between them. A screw 6 and thumb nut 6' are used to pivotally connect the lug 2 and the member 5 so that the pen is pivotally connected to its holder.

A threaded cap 7 screws into the upper end of the fount. The cap is formed with a vertical air passage or vent 8, the inner end of which is enlarged as indicated at 9 to receive the upper end of a spring actuated plunger 10. A member 11 including an annular series of outwardly and upwardly flaring arms is fixedly connected to the intermediate portion of the plunger. At its lower end the plunger 10 is provided with a reduced portion 12 constituting the stylus of the pen. The stylus is movable through an ink duct 13 in the lower end of the fount. A shoulder 14 around the plunger just above the stylus is held against the walls of the inner end of the ink duct by a coiled spring 15 located around the plunger 10 between the cap 7 and the member 11.

The shoulder 14 thus functions as a spring-held valve. When the stylus is pressed against the paper it compresses the spring 15, forces the upper end of the plunger 10 into the enlarged portion 9 of the vent 8, unseats the shoulder 14 from its position against the inner end of the ink duct 13 and allows ink to flow through the duct around the stylus. When the pen is lifted off the paper the spring will automatically restore the parts to their normal position closing the ink duct.

In Figure 5 I have illustrated my improved spacing attachment applied to the pen. The spacing attachment comprises an annular ring 16 fitting over the fount. A vertically disposed straight edged member 17 is made integral with the ring and is adapted to engage the ruling edge of a T-square or similar device 18. A depending

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bifurcated portion 19 integral with the ring 16 straddles the lug 2 and prevents circumferential or downward movement of the ring relative to the fount.

5 It will be readily seen that the pen will always be in vertical position relative to the paper while the pen holder may be tilted at any angle to suit the individual preference of the user.

10 With the ordinary drawing or letter pens commonly employed, it is necessary to clean and fill them every time they are used. My improved pen is always ready for use since the valve mechanism prevents drying or
15 caking of the ink.

Various slight changes and modifications might be made in the general form and arrangement of the parts described without departing from the spirit of the invention, and
20 hence I do not limit myself to the precise details set forth but shall consider myself at liberty to make such slight changes and modifications as fairly fall within the spirit and scope of the appended claims.

25 We claim:

1. A device of the character stated including a fount, a spring held stylus in the fount, an apertured lug extending laterally from the fount, a pen holder including a
30 bifurcated end portion straddling the lug and pivotally connected thereto and a spacing member including a ring fitting over the fount, a vertically disposed straight edged member integral with the ring and
35 means preventing circumferential movement of the ring relative to the fount.

2. A device of the character stated in-

cluding a fount, a spring held stylus in the fount, an apertured lug extending laterally from the fount, a pen holder including a
40 bifurcated end portion straddling the lug and pivotally connected thereto and a spacing member including a ring fitting over the fount, a vertically disposed straight edged member integral with the ring and
45 means preventing circumferential movement of the ring relative to the fount, said means comprising a bifurcated member depending from the ring and straddling the
50 lug.

3. In a pen a cylindrical fount tapering and having an ink duct in its lower end, a cap fitting into the open end of the fount, said cap having a vent therein, the inner
55 end of said vent being enlarged, a spring held plunger, a stylus carried by the lower end of the plunger and movable in the ink duct, the upper end of said plunger being movable in the enlarged portion of the vent and a shoulder around the plunger limiting
60 the movement of the stylus in the ink duct and normally closing said duct.

4. In a pen, a fount, a stylus in the fount, an arm extending laterally from the fount, a pen holder connected to the arm, a ring
65 around the fount, a vertically disposed straight edged spacing member integral with the ring, means carried by the ring straddling the arm and preventing circumferential movement of the ring relative to the
70 fount.

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