

# PATENT SPECIFICATION

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## COMPLETE SPECIFICATION.

### Improvements in Reservoir Pens.

We, THOMAS DE LA RUE AND COMPANY, LIMITED, a company organised under the laws of Great Britain, and HENRY JOHN DIXON, British subject, both of 110, Bunhill Row, London, E.C. 1, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The invention relates to improvements in the reservoir pen of the collapsible sac type which is the subject matter of our prior Patent No. 239,274.

The improvements consist in (1) in securing the bar 2 of the prior invention to the barrel by a fork at one end and by a sleeve inserted into the barrel at the other, instead of by two forks, (2) in means for retaining the pressure bar 8 on the plate 5 when the sac is withdrawn, and (3) in the formation of the screw plug which closes the end of the barrel so as to conceal the joint.

Referring to the drawings which illustrate the invention, Figure 1 is a longitudinal section showing the general arrangement, Figure 2 is an end view and Figure 3 a side elevation of the sleeve, and Figures 4 and 5 are cross-sections along the lines 4—4 and 5—5 of Figure 1 respectively, certain parts being omitted.

1 is the barrel of the pen, 2 is a bar secured in a slot therein, 3 a lever pivoted at 4 to the bar 2 and carrying by a pivoted joint 6 a plate 5. This plate carries slidably mounted upon it a bar 8 adapted to compress the sac 9 when the lever 1 is raised as in Figure 1. The bar 8 has inturned edges for engagement with the plate 5. The above construction is the same as in our prior Specification No. 239,274.

According to the present invention, the bar 2 instead of being forked at both ends for engagement with the barrel, is forked only at the end 7 towards the nib. The other end, towards the closed end of the barrel, has a projection 10 which engages with the inside of the barrel and is held in place by a sleeve 11 which has a small depression 12 to receive it. The sleeve is

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preferably made of a thin sheet of metal bent into cylindrical form so that the edges do not meet, as shown in Figures 2, 4 and 5. This provides a slight resilience. The sleeve abuts at its other end against a screw plug 13 which closes the end of the barrel. The outer face of this plug is made with a sharp edge 14 which comes flush with the end of the barrel and thus conceals the joint. The plug 13 is hollow and the bar 8 may extend into it, and overlap the end of the sac. Means are provided, such that the bar can be removed only through the plug end of the barrel and is prevented from falling out at the nib end when the sac is withdrawn. In the drawings such means consists of a small inwardly directed projection 15 on the bar as shown in Figure 1. This projection is adapted for engagement with the end of the plate 5 towards the plug end of the barrel.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A reservoir pen of the type described having in combination a single bar of metal secured to the barrel or casing and an actuating lever pivoted on and astride the bar, characterized in that the said bar is forked at one end for engagement with the barrel and provided at the other with a projection adapted to engage with the inside surface of the barrel and to be held in place by a sleeve.

2. A reservoir pen as claimed in Claim 1, and having a screwed plug which closes the end of the barrel, characterized in that the end of the sleeve remote from the bar is held in place by the plug.

3. A reservoir pen as claimed in Claims 1 and 2, and having a plate pivoted to the actuating lever and a depression bar slidably engaged by the plate, characterized in that movement towards the nib end of the pen of the depression bar on the pivoted plate is restrained, for example, by an inwardly directed projection on the said bar.

4. A reservoir pen as claimed in Claim 2, characterized in that the outer end of

the plug has a sharp edge adapted to be flush with the exterior of the barrel and to conceal the joint.

5. A reservoir pen substantially as described with reference to the accompanying drawings.

Dated the 7th day of February, 1927.

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[This Drawing is a reproduction of the Original on a reduced scale.]

