

April 5, 1932.

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1,852,944

ATTACHMENT FOR DRAWING PENS

Filed July 8, 1931

FIG. 1. FIG. 2. FIG. 3. FIG. 4.

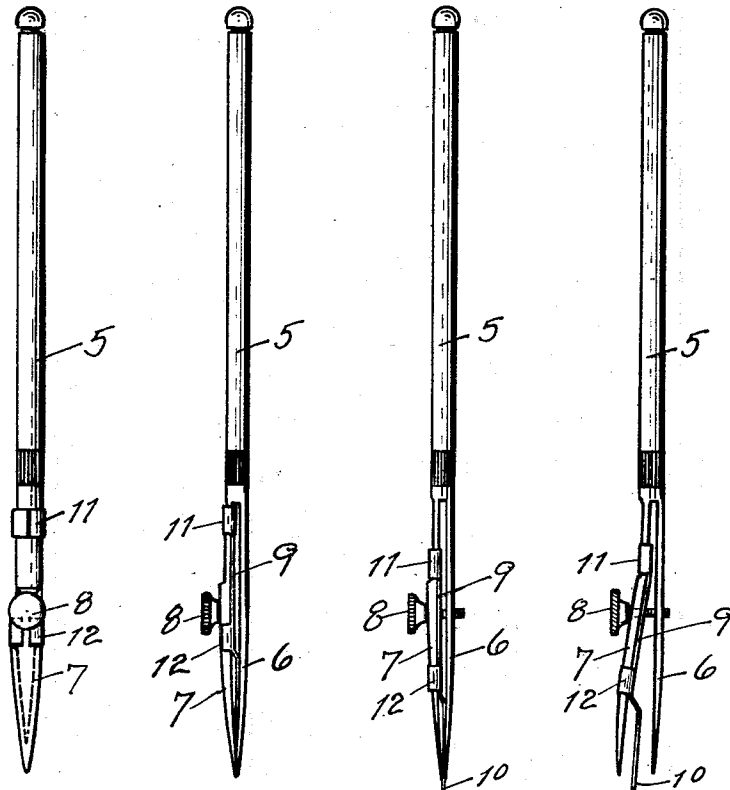


FIG. 5.

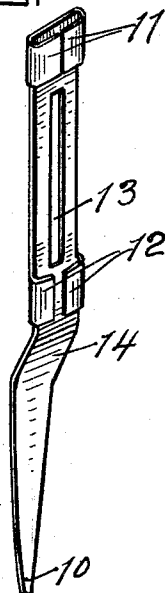


FIG. 6.

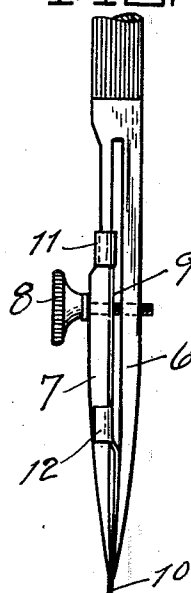
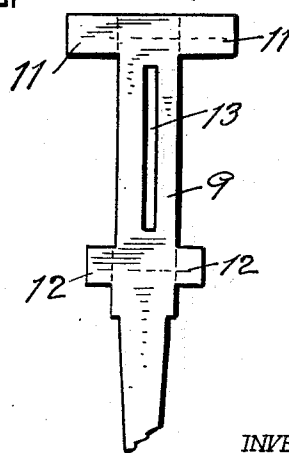


FIG. 7.



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Application filed July 8, 1931. Serial No. 549,541.

This invention relates to improvements in drawing pens and has reference to a device for clearing obstructions to the flow of ink between the nibs of a drawing pen thereby eliminating the frequent and perplexing process of pen cleaning.

The principal object of this invention is to provide a simple and effective device whereby the aperture between the nibs of a drawing pen can be kept clear from obstructions without removing the ink from the pen or changing the gauge of the pen or changing the position of the operator at work.

A further object is to produce a device which will not add material weight to the pen.

A still further object is to produce a device which is economical to manufacture and one which may be added to the pen without materially increasing the cost.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a front elevation of one type of drawing pen to which my device, a runner, is applied thereto,

Figure 2 is a side elevation of Figure 1 showing the position of runner when pen is ready for use,

Figure 3 is a view similar to Figure 1 showing the runner produced past the pen nibs after removing obstructions therefrom,

Figure 4 is a side elevation of a pen in open position showing the cleaner in depressed position,

Figure 5 is an enlarged perspective view of runner,

Figure 6 is an enlarged detailed view of the runner produced past the nibs of a pen, and

Figure 7 is a fragmentary plan of a runner blank.

Drawing pens employ a thick and rapid

drying ink known as india ink, owing to the small amount present in the pen atmospheric drying is continuously creating an incrustation upon the nibs of the pen which finally stops the flow of ink and all drawing operations until the pen is cleaned and refilled.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention the numeral 5 designates the handle of a ruling pen to which is secured a drawing pen having blades 6 and 7. The nibs at the points of these blades are adjusted with relation to each other by the customary thumb screw 8. Slidably mounted upon the blade 7 is a runner which consists of a blank 9 having wings 11 and 12 and a slot 13 formed therein. The wings 11 and 12 are adapted to be bent toward each other as best illustrated in Figure 5 for the purpose of slidably engaging the blade 7. It will here be noted that there is an offset 14 which serves the purpose of preventing the ink from following the contact surfaces between the runner and the blade to which it is attached. The slot 13 permits the thumb screw to pass through the blank as is best shown in Figure 6.

It will thus be seen that I have produced a very simple device which may be slid along the blade 7 so as to insert the tip 10 between the nibs of a drawing pen and thus break up and remove any incrustation or ink clot formed therein.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

In a device of the character described, the combination with a pen having a pair of

blades, of a runner slidable on one of said blades, said runner having a tip adapted to pass between the nibs of said pen and an offset formed in said runner substantially midway of its length whereby the offset portion of the runner slides along the inner surface of the opposite blade from that on which said runner is mounted.

In testimony whereof I affix my signature.

CHARLES MILLER THOMAS.