C. E. HIGBEE.

WRITING DEVICE.

APPLICATION FILED APR. 10, 1914.

1,143,393. Patented June 15, 1915.

Fig. 1.

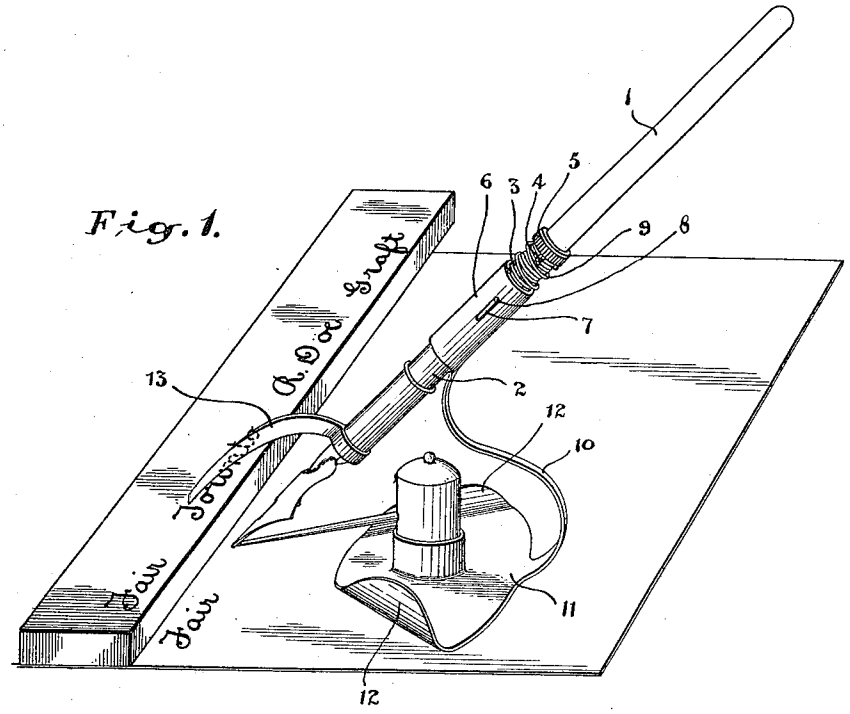
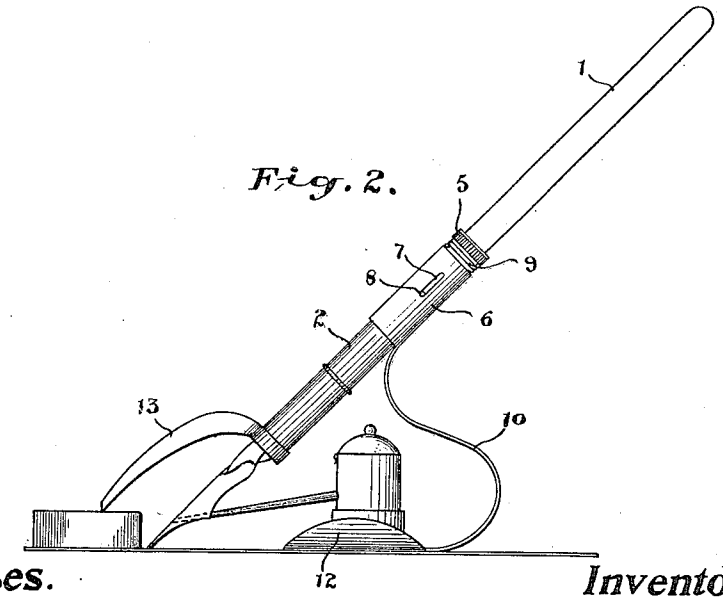


Fig. 2.



Witnesses.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES E. HIGBEE, OF GRAND PRAIRIE, ALBERTA, CANADA.

WRITING DEVICE.

1,143,393. Specification of Letters Patent. Patented June 15, 1915.

Application filed April 10, 1914. Serial No. 830,923.

To all whom it may concern:

Be it known that I, CHARLES E. HIGBEE, a citizen of the United States of America, and residing at Grand Prairie, Province of Alberta, in the Dominion of Canada, have invented certain new and useful Improvements in Writing Devices, described in the following specification and illustrated in the accompanying drawings, that form part of the same.

The principal object of the invention is, to provide an attachment for a pen, pencil or other writing instrument which is particularly adapted to the teaching of penmanship and to guide the pupil in learning to write with a proper muscular movement of the arm.

A further object is to provide a device which will materially assist the writer in maintaining the easiest position of writing thus avoiding the malady known as writers' cramp and also to provide a support for the pen which always will be ready to hand and will obviate the blotting of the paper or book by the dropping of the pen or by its accidental rolling over the sheet.

The principal feature of the invention consists in attaching to the writing instrument a guiding foot which will necessitate the holding of the pen in the proper manner by the writer and will guide the pen or other writing instrument.

In the drawings, Figure 1 is a perspective view of my device. Fig. 2 is a side elevational view.

Like numerals of reference indicate corresponding parts in each figure.

Referring to the drawings, 1 is the handle or shank of the pen or pencil upon which is secured an adjustable sleeve 2, the said sleeve having a threaded upper portion 3 having a slot 4 at its upper end and a nut 5 threaded thereon. The sleeve is clamped securely in the desired position upon the handle of the writing instrument by tightening the nut 5 upon the sleeve which acts as a binding nut springing the slotted end inwardly to grip the handle of the pen or pencil.

6 is a sleeve member slidably encircling the sleeve 2 having a slot 7 in the side thereof through which a pin 8 secured in the sleeve 2 extends.

9 is a light spiral spring encircling the inner sleeve 2 and arranged between the upper end of the sleeve 6 and the nut 5 holding the pin 8 normally at the outer end of the slot 7.

10 is a curved stem of light stiff material secured to or forming part with the sleeve 6 extending downwardly from the lower end thereof having an enlarged end 11 forming the guiding foot.

The foot 11 is in the form of a substantially oval plate having the rounded ends 12 rolled upwardly and converging toward the front. The bottom of this foot is highly polished so as to slip over the paper freely and the broad flat surface presented to the paper prevents the person using the device from tilting the hand sidewise and thus writing incorrectly. The spring 9 yields to a very light touch and allows the pen to move into contact with the paper but immediately the downward pressure is released the spring raises the point from the writing surface and blotting of the characters will thus be avoided.

In the use of this device, the penman grasps the pen handle in the usual way and the foot member is not conspicuous but rests under the hollow of the hand. If the writer maintains the proper position of the hand for the execution of the best work and operating by the muscular movement of the arm, the pen follows smoothly along the writing surface but if through inattention or otherwise the writer tilts the hand sidewise the projecting sides of the foot member will cause the pen to lift off the surface of the paper.

By providing a positive guide for the writer in holding the pen at a proper angle the pen will write with uniformity of touch on up and down strokes. When a rolling motion required for some figures and characters is desired if the proper movement is obtained the foot will roll properly without lifting the pen point from the paper as the curved ends thereof form the convex surface of a cone whose apex is at point of contact of the pen.

For teaching beginners the proper formation of letters, I provide a stylus 13 which is secured to the pen handle and projects forwardly over the pen nib. In conjunction with this I provide an engraved plate having the desired characters sunk therein into which the point of the stylus extends. The point is so arranged in relation to the pen point that it will always rest lightly within

the grooves in the guide plate when the pen point is resting lightly upon the paper.

What I claim as my invention is:—

1. A writing device, comprising, a sliding foot adapted to rest upon the writing surface having an arm extending upwardly from the rear side thereof, an inclined slideway arranged at the upper end of said arm, and means for carrying the writing instrument slidably arranged in said slideway.

2. A writing device, comprising, a sliding foot adapted to rest upon the writing surface, and having an upwardly extending arm, an inclined sleeve arranged on the upper end of said arm, and means for adjustably and slidably holding the writing instrument within said inclined sleeve.

3. In a writing device, the combination with the writing instrument, of a sleeve adjustably secured upon said writing instrument, a sleeve slidably encircling the aforesaid sleeve, a curved stem secured to the outer sleeve and extending downwardly therefrom, a sliding foot secured to the bottom end of said stem having a flat bottom surface adapted to rest upon the writing surface, and spring means for holding the point of the writing instrument raised from the writing surface.

4. In a writing device, the combination with the writing instrument, of a sleeve encircling the writing instrument and having a split threaded upper end, a binding nut threaded upon said sleeve adapted to bind it securely upon the writing instrument, a sleeve slidably and non-rotatably encircling the aforesaid sleeve, a light spiral spring encircling the inner sleeve between the upper end of the outer sleeve and said nut, a curved stem extending downwardly from said outer sleeve, and a foot member secured to the lower end of said stem and adapted to slide freely over the writing surface.

5. A writing device, comprising, a broad flat plate having the end edges rolled upwardly and inwardly in a converging arrangement, a curved stem extending upwardly from the rear of said foot and having a sleeve at its upper end adapted to support the writing instrument.

6. A writing device, comprising, a foot member adapted to slide over the writing surface, a curved stem extending upwardly from said foot and supporting the pen at an incline so that the point thereof will engage the writing surface to the front of said foot, an ink well carried on said foot, and an ink feeding tube leading from said ink well to the point of the pen.

7. In a writing device, the combination with the writing instrument, of a sliding foot member having an upward extension adapted to support the pen in an angular position, a stylus rigidly secured to said writing instrument and projecting forwardly of the point thereof, and a guiding plate having grooved characters therein adapted to receive the point of said stylus to guide the point of the writing instrument.

Signed at Beaverlodge, Alberta, this first day of November, 1913.

CHARLES E. HIGBEE.

Witnesses:

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