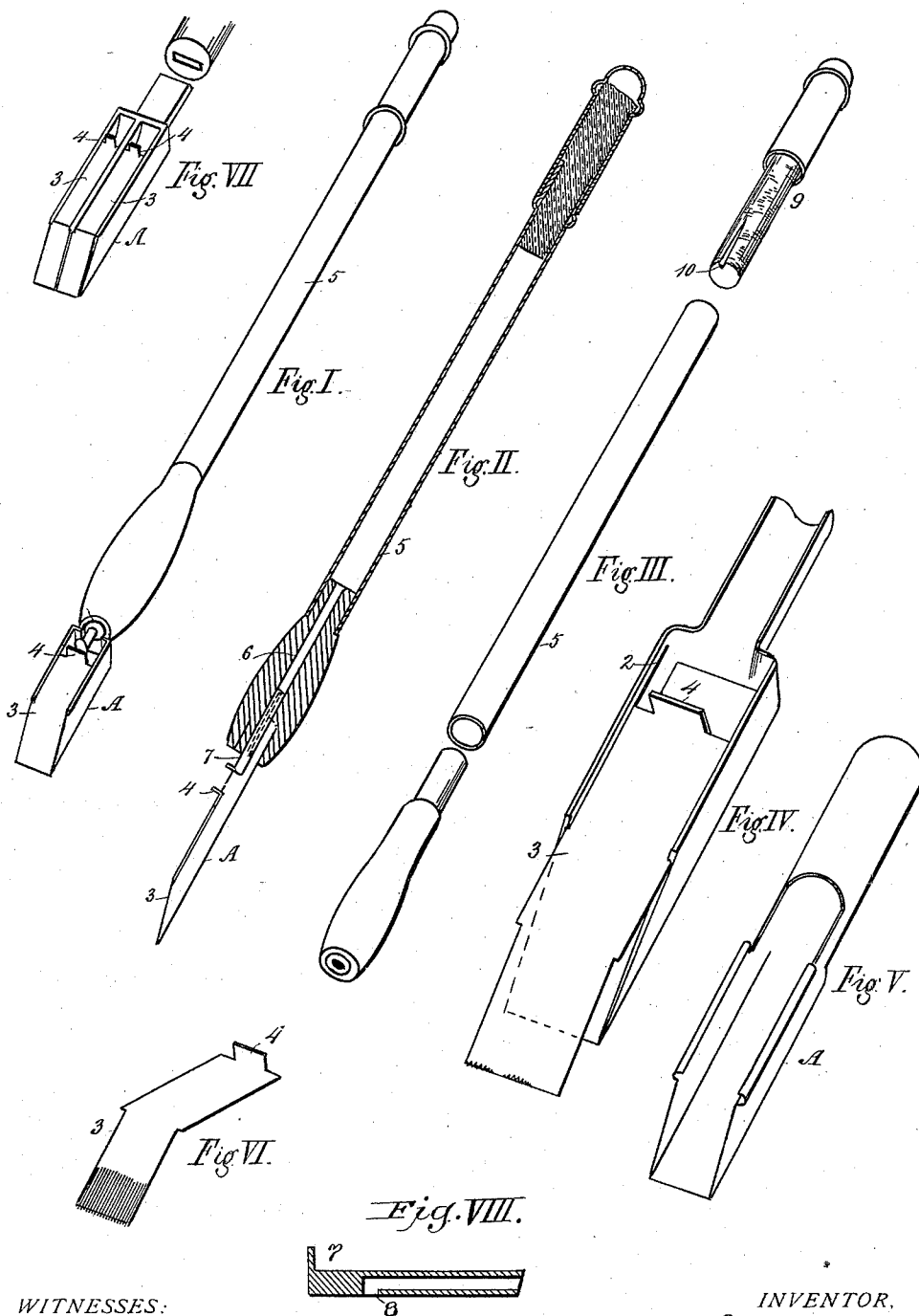


(No Model.)

M. B. MOORE.
MARKING AND SHADING PEN.

No. 535,257.

Patented Mar. 5, 1895.



WITNESSES:

R. L. Millar
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BY

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UNITED STATES PATENT OFFICE.

MILTON B. MOORE, OF MORGAN, KENTUCKY.

MARKING AND SHADING PEN.

SPECIFICATION forming part of Letters Patent No. 535,257, dated March 5, 1895.

Application filed June 18, 1894. Serial No. 514,970. (No model.)

To all whom it may concern:

Be it known that I, MILTON B. MOORE, a citizen of the United States, residing at Morgan, in the county of Pendleton and State of Kentucky, have invented a new and useful Improvement in Marking and Shading Pens, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure I is a perspective view of my improved marking and shading pen; Fig. II, a longitudinal sectional view showing the tubular handle forming an ink reservoir and the movable plug for regulating the discharge of ink from the reservoir; Fig. III, a modified form of the tubular handle and the plug adapted to govern the discharge of ink to the pen; Fig. IV, an enlarged view of the main body or ink receptacle showing the adjustable nib partly withdrawn and provided at its point with graduated notches; Fig. V, a modified form of constructing the main body of the pen; Fig. VI, a view of the flexible nib provided at its point with bristles or similar fibers, and Fig. VII, a duplex form of the main body or ink receptacle. Fig. VIII is a detail view of the plug for regulating the flow of the ink.

My invention pertains to improvements in marking and shading pens and my object is to provide a simple, durable and highly effective device whereby that instrument is not only better adapted to the work for which it has hitherto been employed, but is also made capable of producing a great variety of novel and beautiful effects, which are limited only by the skill and taste of the artist or the character of the work which it is designed to illustrate.

The peculiar features and various advantages of the device will be understood by referring to the accompanying drawings, in which—

A designates the ink receptacle or body of the pen, which is made of sheet metal, hard rubber or othersuitable material, bent or cast in scoop form, as shown in the drawings, and provided on the inner sides and near the top with grooves 2 to receive the flexible upper nib 3, having an upwardly bent lug 4 by which it may be readily adjusted or removed when desired. If the body of the pen be made of

thin sheet metal the upper edges may be bent to form the grooves for the upper nib as shown in Fig. V. The handle 5 is made of wood or any preferred material and if desired may be tubular, forming a reservoir for ink which flows to the pen through a passage 6 which is normally closed by a movable plug 7, the inner portion of which is hollow and has a discharging orifice 8. It will be understood that if the plug be partly withdrawn so that the orifice may pass beyond the end of the handle, the ink is free to pass into the body of the pen. It is also obvious that when the plug is closed the ink is entirely protected from the air and cannot evaporate or lose its fluidity. Another method of supplying the pen with ink is shown in Fig. III. The upper end of the reservoir is provided with a closely fitting adjustable plug 9 having a graduated longitudinal crevice 10. The flow of ink may be thus regulated as desired by adjusting the plug in such a position as may be required to admit a greater or less quantity of air into the reservoir.

A great variety of shaded characters or letters may be executed by providing the point of the flexible nib with a series of small scores or notches which may be arranged in groups. See Fig. IV. The depth or degree of shade is regulated by the size of the notches and the width of the intermediate spaces. By this means an artist can at a single stroke of the pen, form a mark or letter having one or both borders uniformly or differently shaded with intermediate lines of shading, graduated as desired, presenting altogether new and highly ornamental effects, which may be further enhanced by providing the ink receptacle with two or more compartments as shown in Fig. VII. Inks of different colors may thus be utilized producing wonderful and beautiful results. The compartments of the duplex pen may be of uniform width or otherwise if preferred, in order to admit pens of different sizes. The adjoining points of the pens are so arranged that their marks will unite or be separate according to the pleasure of the operator. The flexible nib may be made to operate as a brush by providing its point with bristles or other fibrous material which are attached to its upper or lower surface by cement as shown in Fig. VI.

When the pen is employed for ordinary purposes the receptacle is supplied with a slowly flowing ink, but when required for ornamental work a more fluid ink is necessary and a sponge or other suitable absorbent is introduced to prevent an excessive discharge from the pen.

It will be observed that this instrument may be utilized with great advantage for many purposes. Memorial cards, diplomas, testimonials, mottoes, &c., may be readily executed in the highest artistic style with the utmost facility and a vast saving of time.

What I claim as new is—

1. The herein described marking and shading pen comprising an ink receptacle A, provided with one or more compartments, and having a tapering front extension forming the lower point or nib of the pen, and the conformable and flexible upper point or nib adjustably

attached to the ink receptacle, as and for the purpose herein specified:

2. In a shading and marking pen the combination with the ink receptacle provided with a compartment and having a tapering front extension forming the lower point or nib of the pen and the flexible upper point or nib adjustably attached to the ink receptacle, of the tubular handle forming an ink reservoir and the adjustable plug having a central bore and an exit opening whereby the discharge of the ink can be regulated, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand, this 11th day of June, 1894, in the presence of witnesses.

MILTON B. MOORE.

Witnesses:

B. B. HENSLEY,
E. D. MCMEACH.