M. S. STROCK.

DRAWING PEN REGULATOR.

APPLICATION FILED JAN. 20, 1915.

1,167,228.

Patented Jan. 4, 1916.

Fig. 1,

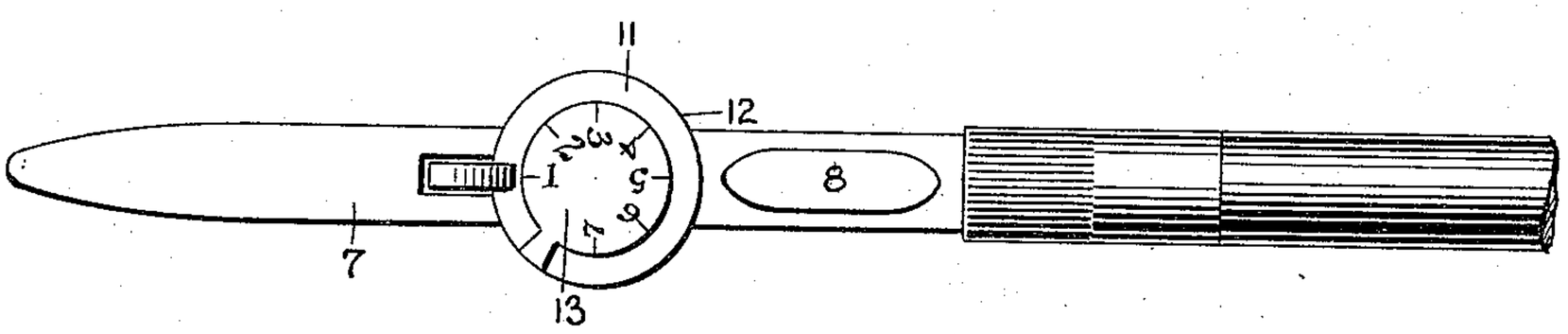


Fig. 2,

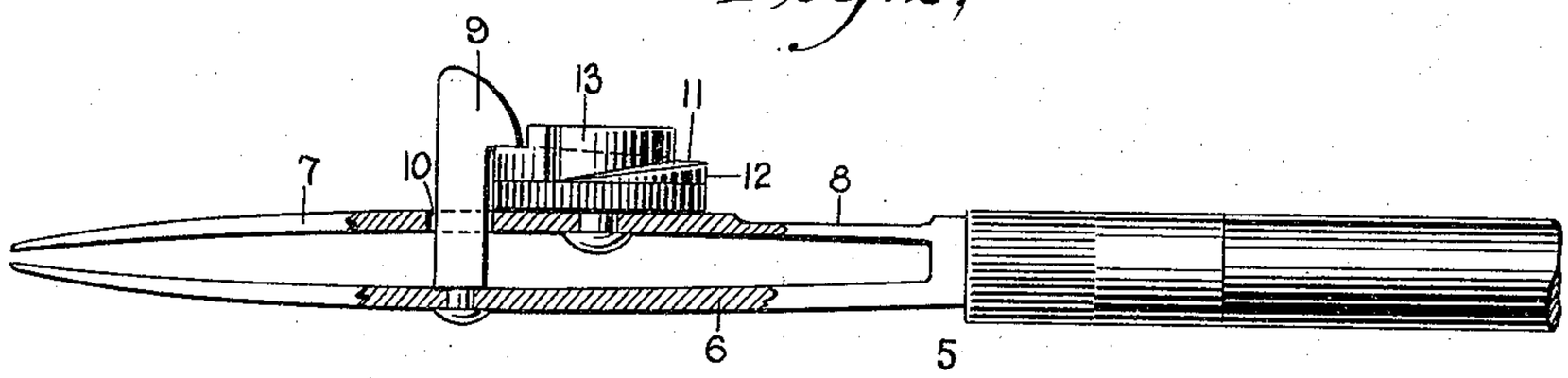


Fig. 3,

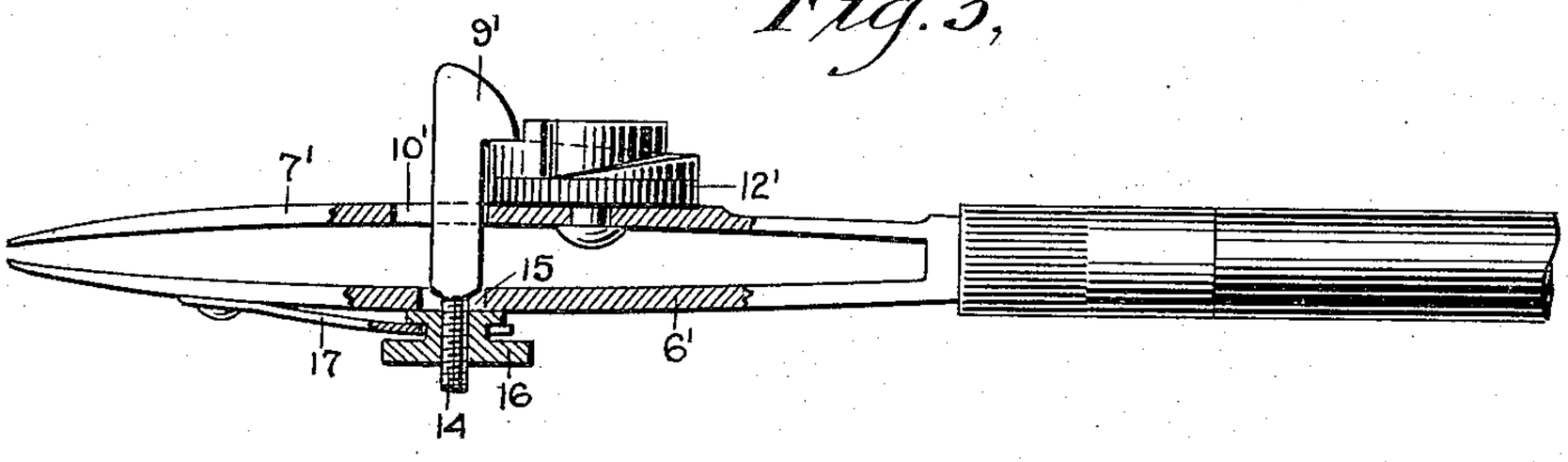
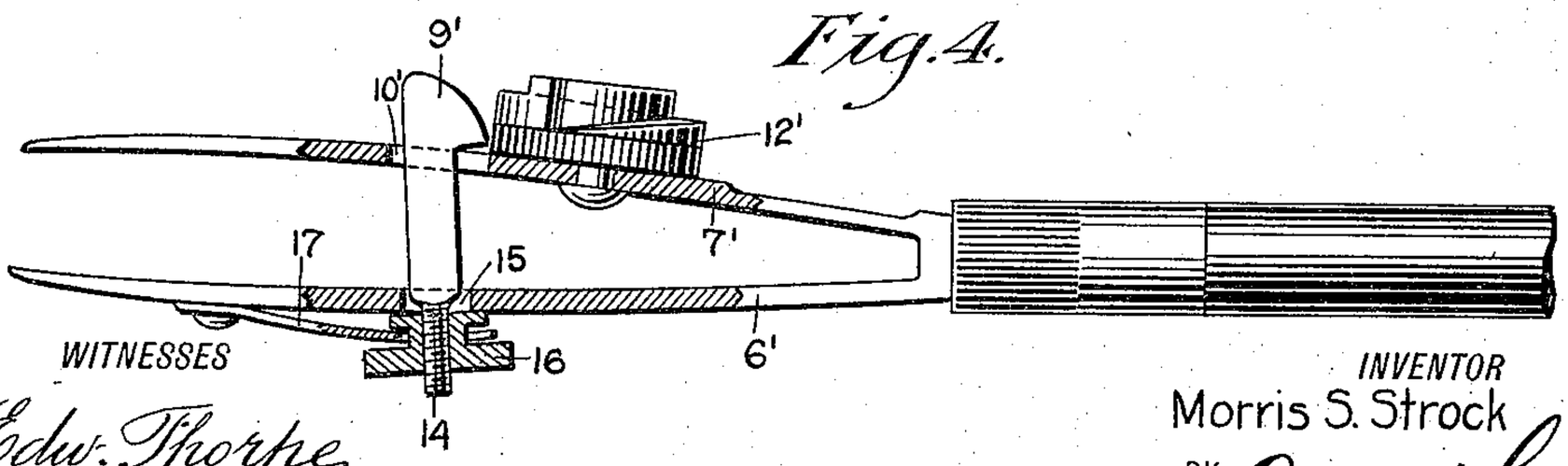


Fig. 4.



WITNESSES

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DRAWING-PEN REGULATOR.

1,167,228. Specification of Letters Patent. Patented Jan. 4, 1916.

Application filed January 20, 1915. Serial No. 3,251.

To all whom it may concern:

Be it known that I, MORRIS S. STROCK, a citizen of the United States, and a resident of Boulder, in the county of Boulder and State of Colorado, have invented a new and Improved Drawing-Pen Regulator, of which the following is a full, clear, and exact description.

My invention relates to drawing pens, and has reference more particularly to means for regulating the width of the line to be drawn and whereby any predetermined width of line can be easily obtained by setting the regulator of the pen at a predetermined position.

The object of the invention is to provide a simple, strong and inexpensive drawing pen having a regulator for the purpose specified.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated and claimed.

In the accompanying drawings, forming part of the application, similar characters of reference indicate corresponding parts in all the views, and Figure 1 is a plan view of an embodiment of my invention; Fig. 2 is a side elevation partly in section and showing the details of construction; Fig. 3 is a side elevation partly in section of a modified structure of my pen; and Fig. 4 is a similar view showing the pen in position to be cleaned.

Referring to the drawings, the pen 5 is formed of the customary blades 6 and 7, of which the blade 7 is reduced at the base, as shown at 8, to render this blade resilient at its point, and normally causing the said blade 7 to part from the blade 6. The blade 6 carries a trigger 9, which is preferably riveted thereto, and which trigger projects through an opening 10 in the blade 7. The trigger head engages an incline 11 of a member or regulator 12 mounted to turn on the blade 7. The diameter of said member 12 is preferably larger than the width of the blade 7, and the lateral surface thereof is gnarled to facilitate the turning of said member. The member 12 has preferably a central projection above the incline which forms a dial 13. The divisions on this dial, when brought in alinement with the head of the trigger, will vary the distance between the pen points of the blades 6 and 7; and by rotating the pen from 1 toward the larger numbers, the distance between the pen points is increased, and thus lines of predetermined width can be drawn by means of my pen.

In Figs. 3 and 4 a modified structure of my pen is shown. The trigger 9′ in this case is not directly connected to the blade 6′, but the end 14 of said trigger is threaded and made to project through a rectangular opening 15 in the blade 6′. The opening 10′ in the blade 7′ is, in this case, large enough to allow the head of the trigger 9′ to pass therethrough. The engagement of the trigger head with the member or regulator 12′ in this case is the same. The engagement of the trigger end 14 with the blade 6′ is maintained by a gnarled nut 16 threaded thereon, which nut is maintained against the blade 6′ by a spring 17 having a bifurcated end engaging the neck of the gnarled nut 16, the other end of said spring being attached to the blade 6′. By the provision of the nut 16, the initial line and, consequently, the successive variation of lines relative to the first line may be varied. Furthermore, the provision of the opening 10′, permitting the passing of the head of the trigger 9′ therethrough, allows a better cleaning of the pen point.

From the foregoing description, taken in connection with the accompanying drawings, the advantage of the construction and operation of my pen will be readily understood by those skilled in the art to which the invention pertains; and I desire to have it understood that such changes may be made in the pen as are within the scope of the appended claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a pen, blades tending normally to part, a trigger associated with one of the blades and projecting through the other, a member mounted to rotate on said other blade, said member having an incline engaging the trigger whereby in turning said member the distance between the points of the blades may be varied, said member having means for indicating the distance between the pen points as said member is rotated.

2. In a pen, a pair of blades normally tending to part, a trigger the ends of which project through said blades, a threaded member, one end of the trigger being threaded

to adjustably receive the said threaded member, a resilient member associated with one of the blades and maintaining said threaded member against said blade whereby the trigger is adjustably connected to said blade, and a member mounted to rotate on the other blade, said member having an incline engaging the other end of the trigger projecting through said blade and whereby the distance between the blades may be varied.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MORRIS SPERRY STROCK.

Witnesses:

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MARGARET H. REED.