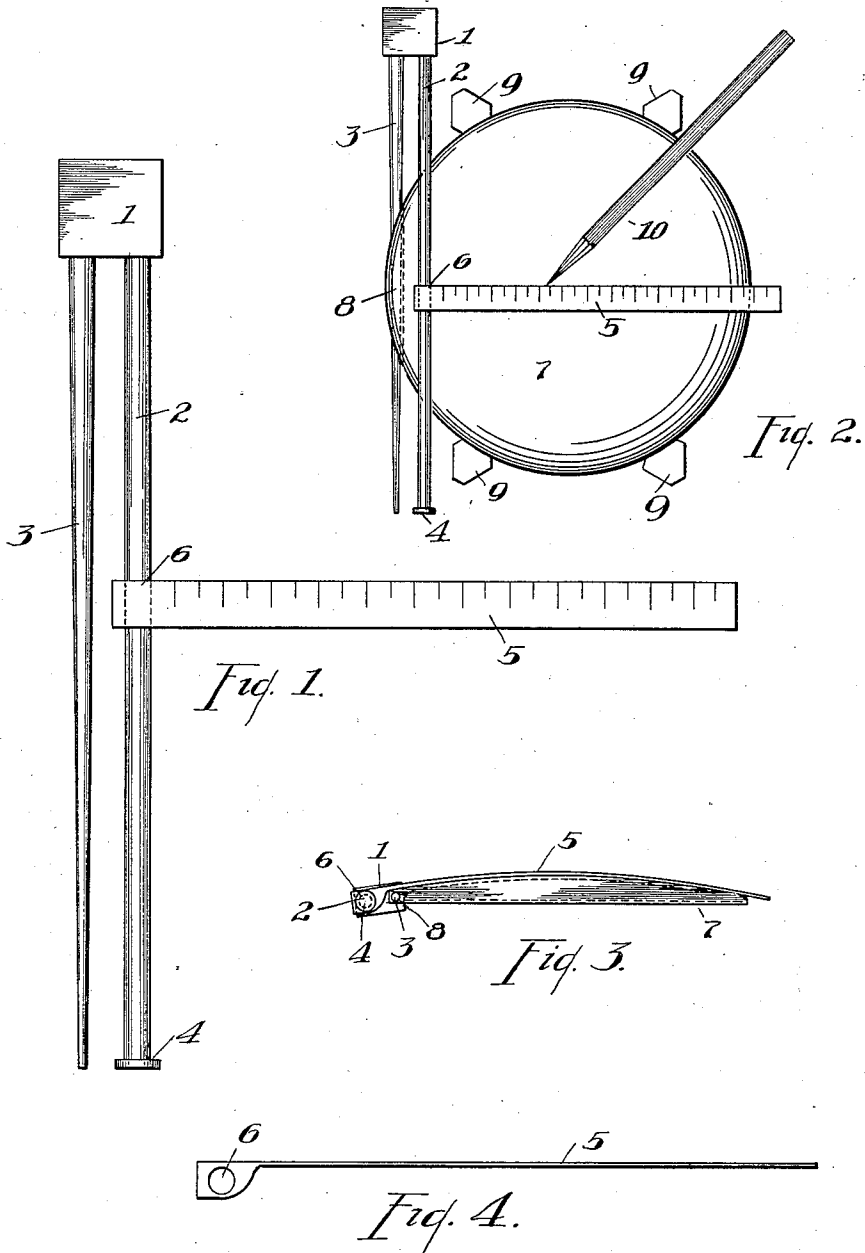


P. P. WENTZ.
 ENGRAVER'S TOOL.
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1,018,348.

Patented Feb. 20, 1912.



WITNESSES:

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PAUL P. WENTZ, OF SHARON, PENNSYLVANIA.

ENGRAVER'S TOOL.

1,018,348.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, PAUL P. WENTZ, a citizen of the United States, residing at Sharon, in the county of Mercer and State of Pennsylvania, have invented certain new and useful Improvements in Engravers' Tools, of which the following is a specification.

My invention relates to an engraver's rule and is directed particularly to such a rule by means of which lines may be accurately drawn on a watch cap at right angles to the hinge.

One of the objects of my invention is the provision of a rule and attachment for accomplishing the foregoing purpose.

Another object is the provision of such a rule, the attachment upon which it is secured being so constructed as to afford quick application to any size watch cap.

Further objects and purposes of my invention will appear from the drawing, the specification describing the same, and the claims appended thereto, in which are shown and set forth the combination of elements, arrangement of parts, and novel structural details properly comprised within the scope of the same.

Referring now to the drawing in which is shown one of the possible embodiments of my invention, Figure 1 is a greatly enlarged plan view of my rule and attachment. Fig. 2, drawn on a smaller scale than Fig. 1 but enlarged for the sake of clearness, shows my rule and attachment as applied to a watch cap. Fig. 3 is a cross sectional side view of the rule and attachment and watch cap showing the position assumed by the parts where the rule is curved, Fig. 3 being drawn on the same scale as Fig. 2. Fig. 4 is a side view of the rule as shown in Fig. 1 and on the same scale.

Referring now to the several figures in which like reference characters designate like parts, (1) is the block base of my attachment, which will be hereafter referred to as the block, in one end of which are rigidly secured the arms (2) and (3) which are spaced from each other and substantially equal in length. The arm (2) is of uniform diameter throughout, upon which the rule (5) is adapted to slide, and will hereafter be referred to as the slide. Arm (3) tapers uniformly throughout its entire length and having a very small diameter at its outer end. Secured to the outer end of the slide is the stop (4). This stop is preferably

threaded into the end of the slide to permit its removal when it is desired to change the rule. The rule (5) which may be either flat or curved, as shown in Figs. 4 and 3, is provided with a head having an aperture (6) ground therethrough, so that it accurately fits on the slide and will permit of the longitudinal movement of the rule on the slide, while steadying the rule and preventing any play in any position to which it may be adjusted.

(7) represents a watch cap, which in the standard construction is provided with pintle apertures (8) by means of which a hinge joint is formed with the back lid, not shown.

(9) represent pins for holding the watch cap on an engraver's block.

For the purpose of illustrating the use of my rule, (10) represents a pencil which may be drawn along the edge of the rule to line the watch cap before lettering and engraving.

In lining the curved surface of a watch cap, I have found it difficult to draw the lines perpendicular to the hinge joint, and also to get lines accurately parallel to each other. This difficulty I have solved by the construction of the foregoing rule and attachment.

In operation either a curved or flat rule may be used.

The operation of my device is as follows: The cap being secured to the engraver's block and the hinge pintle and lid having been removed, the arm (3) is pressed into the hinge aperture (8) until it is slightly wedged therein. The block will afford an additional steadying means for the attachment when the left hand rests thereon. In using the flat rule, the attachment assumes the position shown in Fig. 2, while in using a curved rule, it is changed to the position shown in Fig. 3. The rule is now moved along the slide to the proper places and the lines drawn.

I claim—

1. In an engraver's tool, a block having two arms secured to one side thereof and extending therefrom in the same direction, one arm being adapted to be secured to the object to be engraved, and the other arm having a rule slidably mounted thereon, substantially as shown and described.

2. In an engraver's tool, a block having two arms secured thereto, one of said arms being tapered and the other arm of uniform

diameter, and a rule slidably mounted on the latter arm, substantially as shown and described.

3. In an engraver's rule, a block having
5 two arms secured thereto, one of said arms being tapered and the other arm being of uniform diameter throughout, a stop secured to the outer end of the latter arm, and a rule slidably mounted on said latter arm,
10 substantially as shown and described.

4. In an engraver's tool, a block having
two arms secured to one end thereof and extending therefrom in the same direction, one of the said arms being tapered, and
15 the other arm being of uniform diameter throughout, a rule slidably mounted on the said latter arm, and a stop for preventing

the accidental removal of the said rule, substantially as shown and described.

5. For use with a watch cap having a 20 hinge bearing therein, a two armed member, one of the arms of which is adapted to fit into the hinge bearing, and the other arm having a rule slidably mounted thereon, said arms being substantially parallel, whereby 25 the rule is maintained at right angles to the hinge bearing.

In testimony whereof I have affixed my signature in presence of two witnesses.

PAUL P. WENTZ.

Witnesses:

CHAS. H. HOAR,

EUGENE E. ANDERSON.

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