(No Model.)

T. H. WRIGHT.

MEASURING RULE.

No. 392,143. Patented Oct. 30, 1888.

Fig. 1.

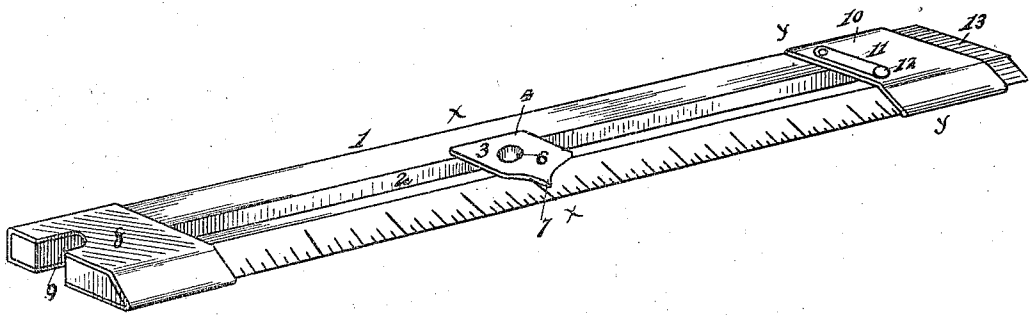


Fig. 2.

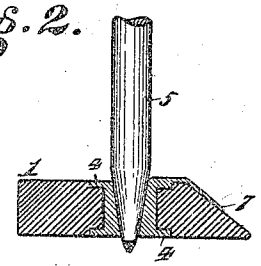
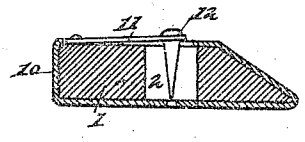


Fig. 3.



Attest.

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UNITED STATES PATENT OFFICE.

THOMAS H. WRIGHT, OF COVINGTON, KENTUCKY.

MEASURING-RULE.

SPECIFICATION forming part of Letters Patent No. 392,143, dated October 30, 1888.

Application filed May 29, 1888. Serial No. 275,451. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. WRIGHT, of Covington, in the county of Kenton and State of Kentucky, have invented certain new and useful Improvements in Measuring-Rules, of which the following is a specification.

The object of my invention is to provide a rule which carries a slide-gage supporting a pencil, whereby any given length of mark can be drawn on a given line.

Another object of my invention is to provide means for employing the same pencil for describing a circle or portion of a circle.

Other features and objects of my invention will be fully set forth in the description of the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improvement. Fig. 2 is a cross section on line *x x*, Fig. 1. Fig. 3 is a cross-section on line *y y*, Fig. 1.

1 represents a rule, made of any desired material.

2 represents a longitudinal slot pierced through the rule.

3 represents a slide-guide, preferably made of metal, and stamped out so as to have the body fit within said slot, and it is provided with flanges 4, that overlap the edges of the slot and hold the slide firmly in position, preventing the least lateral movement and still allowing a free longitudinal movement of the gage.

5 represents a pencil inserted through the orifice 6 in said guide. When it is desired to rule a line, the pencil can be placed as shown in Fig. 2, and the slide 3 moved by means of the pencil on the line drawn in any given direction for the desired length.

7 is a point upon said guide or slide. It is placed to overlap the bevel of the rule and points to the index figures of the scale.

8 represents a metallic ferrule placed over one end of the rule. It is provided with a pencil-sharpener, 9. 10 represents a similar ferrule over the opposite end of the rule. This is slotted and provided with a spring-plate, 11, carrying a point, 12, rigidly secured to said plate 11.

When it is desired to employ the rule to describe a circle, the point 12 is depressed and enters the surface to be marked, and serves as a pivot on which to turn the rule. If at the same time the pencil be placed in the orifice 6 of the slide 3, a circular pencil-line may be described. When the point 12 is released, it is withdrawn up within the slot 2 by the spring 11 and is out of the way. The ferrules 8 and 10 are placed upon the wood and of the same height as the upper plate of slide 3. Consequently, when the rule is drawn over, they form a lever bearing or rest.

13 represents a rubber inserted in the end of the ferrule 10.

The rule 1 is slotted clear through, as indicated by the dotted lines in Fig. 1. The ferrule is inserted in position to hold the rule and prevent it from springing. This is one feature of my invention; but I do not wish to limit myself to the slotted rule through at one end, as the slide 3 may be inserted and bent in position and still accomplish some of the purposes of this invention.

Having described my invention, what I claim is—

1. A ruler having a longitudinal slot 2, extending entirely through it, in combination with a slide located in the slot, and having a pencil-receiving orifice arranged in the plane of the slot between the sides thereof, substantially as described.

2. In combination with a rule, 1, provided with slot 2 and the pencil-support 3, the spring-pivot 12, projecting through said slots, substantially as herein specified.

3. In combination with the rule 1, the ferrules 8 and 10, the pencil-slide 3, and spring-pivot 12, substantially as specified.

4. In combination with a rule having the longitudinal slot 2 and the pencil-slide 3, the ferrule 10, detachably connected to one end thereof and carrying the spring-pivot 12, and forming a socket for the rubber 13, substantially as herein specified.

In testimony whereof I have hereunto set my hand.

THOMAS H. WRIGHT.

Witnesses:

H. R. PROBASCO.

J. WATSON SIMS.