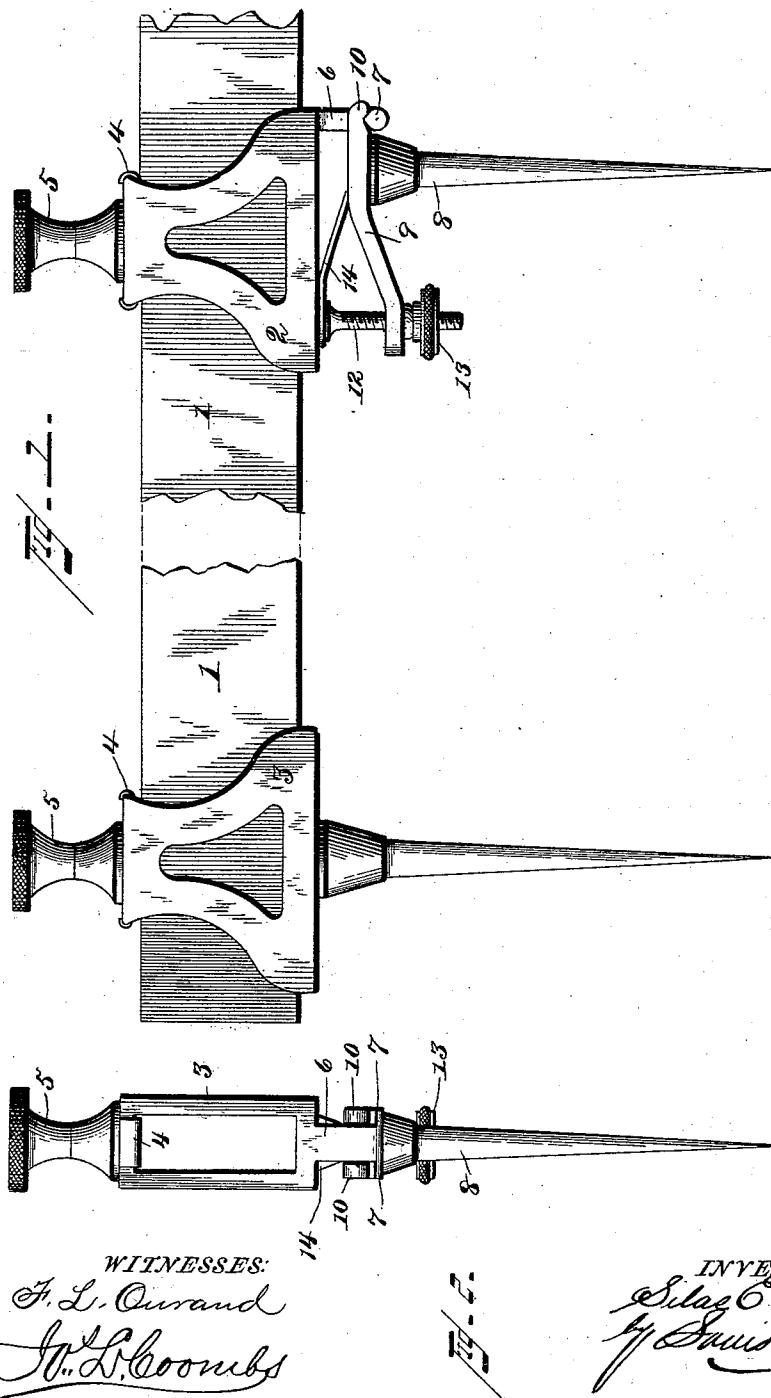


(No Model.)

S. E. SELLECK.  
TRAMMEL.

No. 472,829.

Patented Apr. 12, 1892.



*WITNESSES:*

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Attorneys.

# UNITED STATES PATENT OFFICE.

SILAS E. SELLECK, OF WEST TROY, NEW YORK.

## TRAMMEL.

SPECIFICATION forming part of Letters Patent No. 472,829, dated April 12, 1892.

Application filed August 28, 1891. Serial No. 404,011. (No model.)

*To all whom it may concern:*

Be it known that I, SILAS E. SELLECK, a citizen of the United States, and a resident of West Troy, in the county of Albany and State of New York, have invented certain new and useful Improvements in Trammels; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to 10 which it appertains to make and use the same.

My invention relates to improvements in trammels or beam-compasses, the object being to provide a simple, economical, and efficient device in which the trammel-points may 15 be adjusted with accuracy and precision.

The invention consists, essentially, in a trammel-head having an adjustable spring-actuated trammel-point and an adjusting device, as will be hereinafter more fully 20 described, and definitely pointed out in the claims.

In the accompanying drawings, Figure 1 represents a side elevation of a trammel or beam-compass constructed according to my 25 invention. Fig. 2 is an end view of the trammel-head.

In the said drawings the reference-numeral 1 designates the beam, which may be provided with a graduated scale, as usual.

30 2 and 3 designate the trammel-heads, which are movable upon the beam. These heads are provided with spring-blocks 4 in their upper ends and set-screws 5, pressing upon said blocks, so as to securely hold the heads in 35 place on the beam in the ordinary manner.

Depending from the under side of trammel-head 2 is an arm 6, having an outwardly-projecting lug 7 upon each side of the lower end thereof.

40 The numeral 8 designates the trammel-point secured to the plate 9. This plate is recessed at one end, forming two shoulders 10, which engage with the lugs 7 when the arm 6 is placed in the recess in plate 9, which 45 it is adapted to fit, thus forming a hinge or pivotal connection between said plate and arm. At the opposite end of the trammel-head is a downwardly - depending screw-threaded rod 12, which passes through an aperture in the end of plate 9 and is provided

with a screw-threaded adjusting-nut 13, bearing against the under side of plate 9 and by which it may be adjusted. Interposed between the trammel-head and plate 9 is a spring 14, which presses said plate down upon the 55 adjusting-nut.

The operation of the device will be readily understood. The trammel-head 2 is moved or slid along the beam until it approximately reaches the point desired. It may now be adjusted with great precision by turning the nut in the desired direction. By turning the nut one way the plate 9 will be depressed by the spring 14, causing the point which is connected with it to be moved in a corresponding direction. By reversing the movement of the nut the end of plate 9 will be elevated, thus reversing the direction of movement of the trammel-point, as will be obvious. 60 65

The trammel-head 3 may be of the ordinary 70 construction, or it may be similar to head 2, if desired. It will also be understood that the point illustrated in the drawings may be replaced by a pencil-point when desired.

Having thus described my invention, what 75 I claim is—

1. The combination, with a beam, of a horizontally-movable trammel-head, a spring-actuated point - carrying plate pivotally connected therewith, and a screw-threaded rod secured to said head and passing through an aperture in said plate, substantially as described. 80

2. A trammel-head having a depending arm 6, provided with two outwardly-projecting lugs 7 at its lower end, a point-carrying plate 9, recessed at one end so as to form two shoulders 10, a screw-rod depending from the under side of the trammel-head, passing through an aperture in the plate 9, and provided with an 85 adjusting-nut 13, and a spring 14, interposed between plate 9 and the under side of the head, substantially as described. 90

In testimony that I claim the foregoing as my own I have hereunto affixed my signature 95 in presence of two witnesses.

SILAS E. SELLECK.

Witnesses:

W. W. ROBSON,  
W. H. MULLINS.