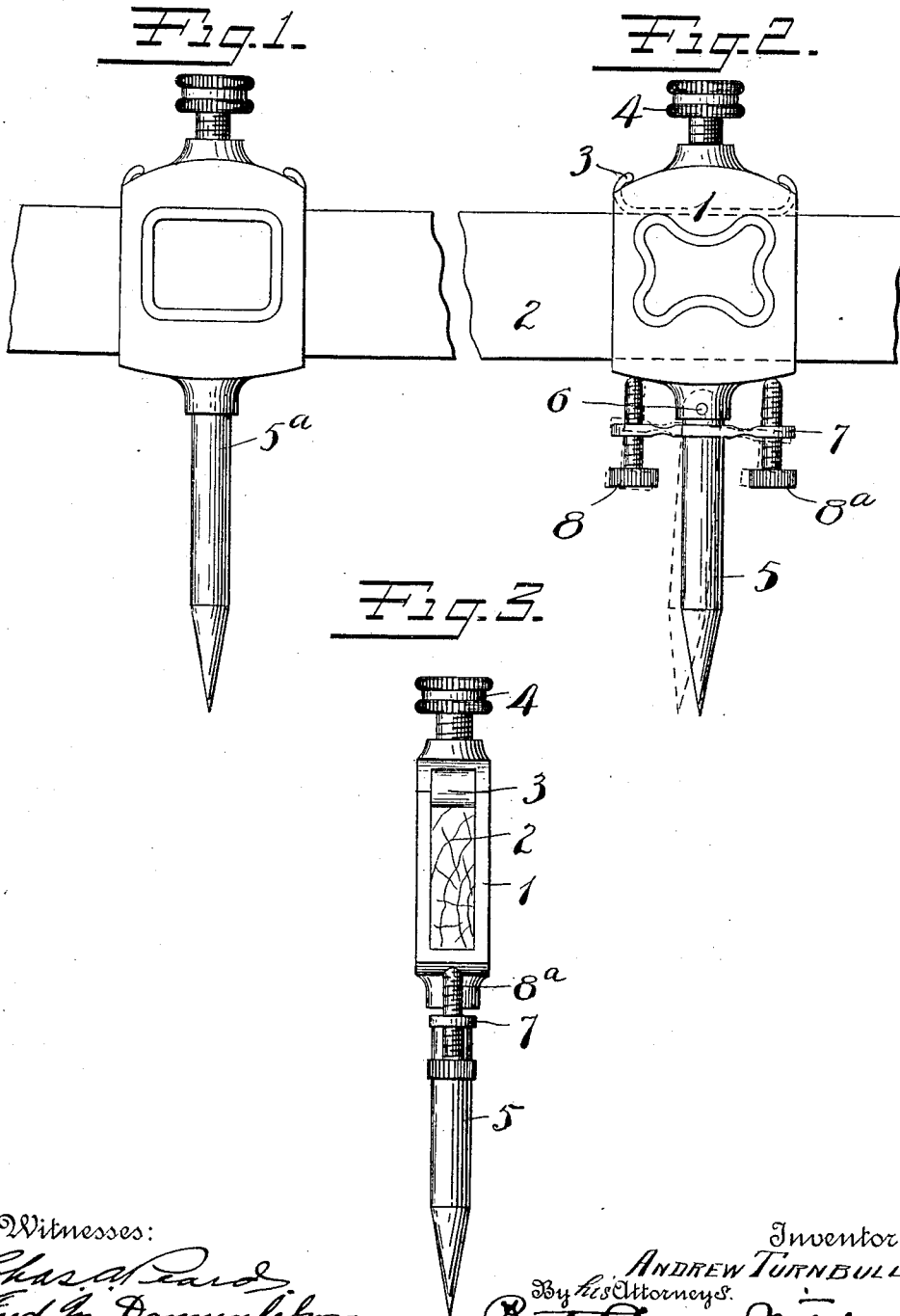


A. TURNBULL.
TRAMMEL POINT.

APPLICATION FILED MAY 28, 1908.

913,993.

Patented Mar. 2, 1909.



Witnesses:
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UNITED STATES PATENT OFFICE.

ANDREW TURNBULL, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE STANLEY RULE & LEVEL COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

TRAMMEL-POINT.

No. 913,993.

Specification of Letters Patent.

Patented March 2, 1909.

Application filed May 28, 1908. Serial No. 435,452.

To all whom it may concern:

Be it known that I, ANDREW TURNBULL, a citizen of the United States, residing at New Britain, county of Hartford, State of Connecticut, have invented certain new and useful Improvements in Trammel - Points, of which the following is a full, clear, and exact description.

My invention relates to improvements in 10 trammel points, so-called, for carpenters and mechanics use, the object being to provide an improved construction whereby a very delicate adjustment may be made without shifting the trammel point upon the beam or bar 15 arranged to carry the same, said adjustment being such that the point proper is securely located in its adjusted position, ready for use.

In the accompanying drawings, Figure 1 is a side elevation of one of a pair of trammel 20 points mounted upon a beam. Fig. 2 is a side elevation of the other one of the pair of trammel points mounted upon the same beam. Fig. 3 is an end elevation of the device shown in Fig. 2, looking from right to 25 left.

The trammel point constituting my improved invention is shown at the right hand side of Fig. 1 and in Fig. 2, and is constructed substantially as follows. 1 is the frame or 30 body portion thereof, slidable upon a beam or bar 2. 3 is a shoe preferably employed to lock the frame on the bar 2, this being effected through the medium of a set screw 4 carried in the upper part of the frame 1 and bearing 35 against shoe 3. 5 is the trammel point proper, the same being hinged at 6 to the lower end of the body or frame 1. 7 is a cross head fixed upon the point 5 closely adjacent to the hinged connection 6. 8—8^a 40 are adjusting screws passing through the ends of the cross head 7 and projecting toward the under side of the frame 1 on opposite sides of the hinged connection. The adjusting screws 8—8^a are arranged in substantially the plane 45 of the beam 2.

When an approximate adjustment is made by the frame 1 upon the beam 2, the set screw 4 is turned down until this frame is clamped thereon. A more delicate adjustment may now be obtained through the medium of the adjusting screws 8—8^a, for by 50 turning one forward and the other back it will cause the point 5 to rock in a direction to

shift the extreme point to the right or left to precisely the desired degree. The solid and dotted lines in Fig. 1 will illustrate two different positions of said point. 55

Both of the trammel points employed for the beam 2 may correspond to the construction previously described, although this is 60 not essential, since the second trammel point may have a fixed end 5^a, as shown in Fig. 1, the accurate or fine adjustment being easily effected by the use of a single trammel point member constructed as heretofore described. 65

What I claim is:

1. A trammel point comprising a frame, means for locking said frame upon a beam, a point member hinged to the side of said frame, and adjusting devices carried by the 70 hinged member on opposite sides of said hinge for swinging said point member upon its hinge and rigidly locking the same in each adjusted position.

2. A trammel point comprising a frame, 75 means for locking said frame upon a beam, a point member hinged to the side of said frame, and adjusting devices carried by the hinged member on opposite sides of said hinge for swinging said point member upon 80 said hinge, its adjusting devices comprising adjusting screws coöperating with the frame.

3. A trammel point comprising a frame, means for locking said frame upon a beam, a point member hinged to the side of said 85 frame, and an adjusting means for swinging said point member upon said hinge, said adjusting means comprising a cross head carried by the point member and two adjusting screws coacting with said cross head and said 90 frame, on opposite sides of the trammel point and arranged to both adjust and rigidly lock said point in any of its adjusted positions.

4. A trammel point comprising a frame, means for locking said frame upon a beam, a 95 point member hinged to the side of said frame, and an adjusting device for swinging said point member upon said hinge, said adjusting means comprising a cross head on the point member, and an adjusting screw at 100 each end of said cross head, the end of each screw being arranged to engage the frame.

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