

(No Model.)

L. P. THOMPSON.
PLOW JOINTER.

No. 435,617.

Patented Sept. 2, 1890.

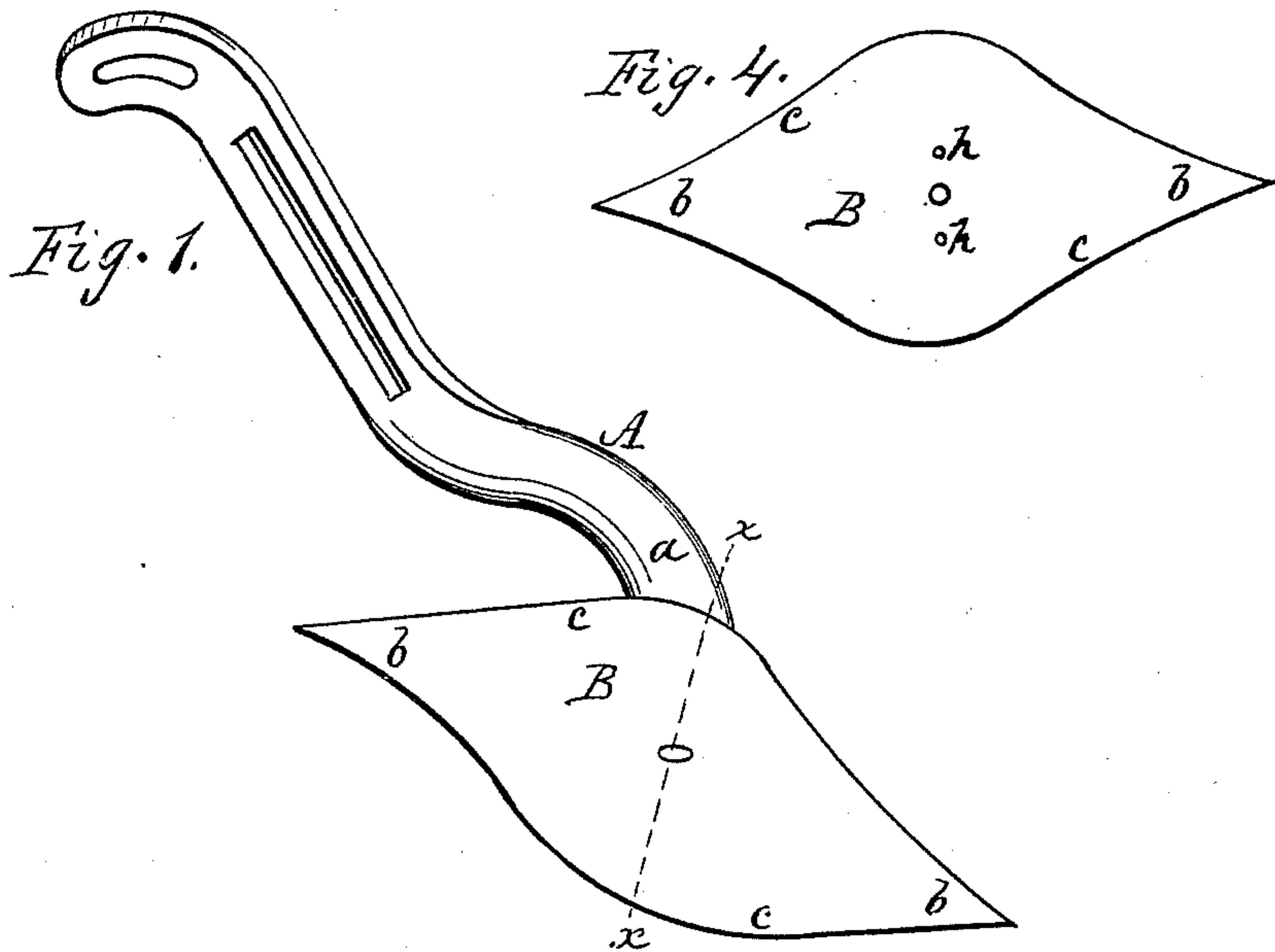


Fig. 2.

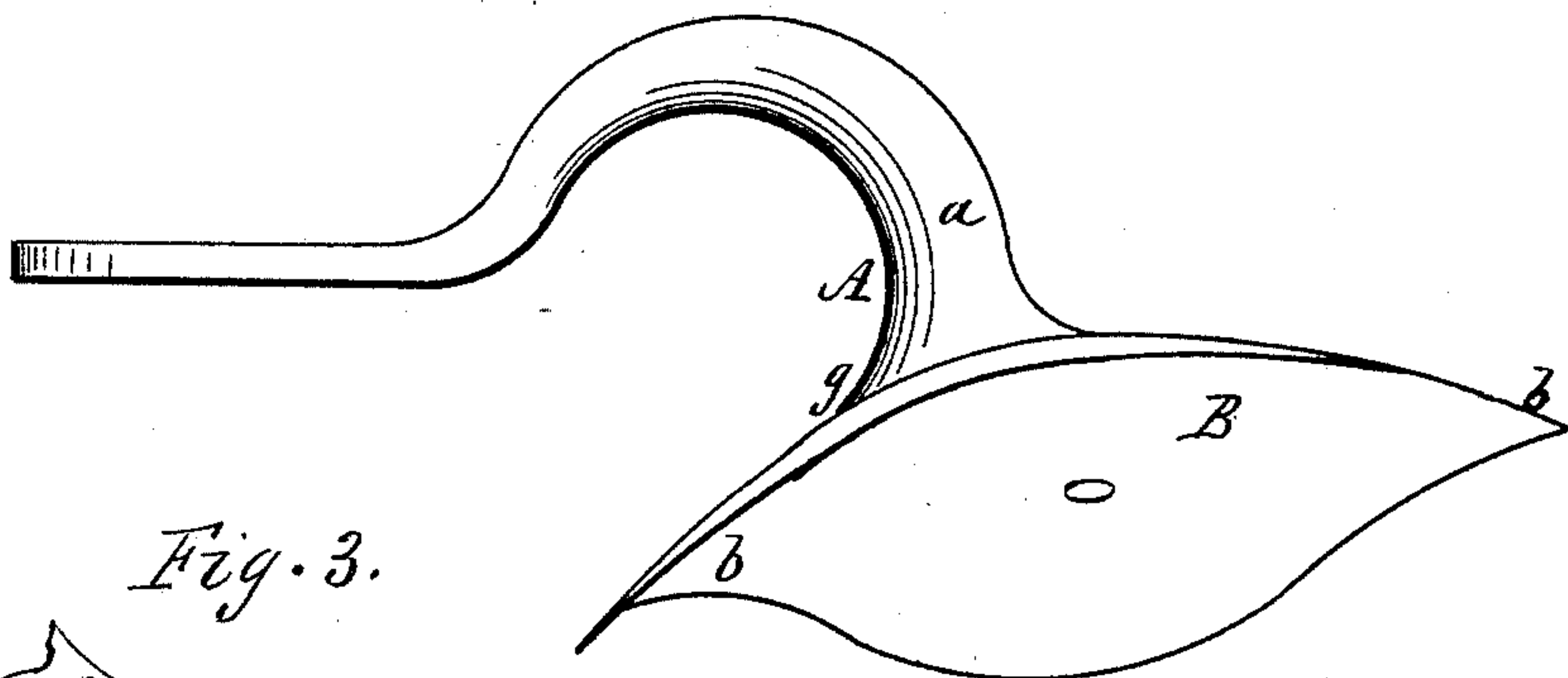


Fig. 3.

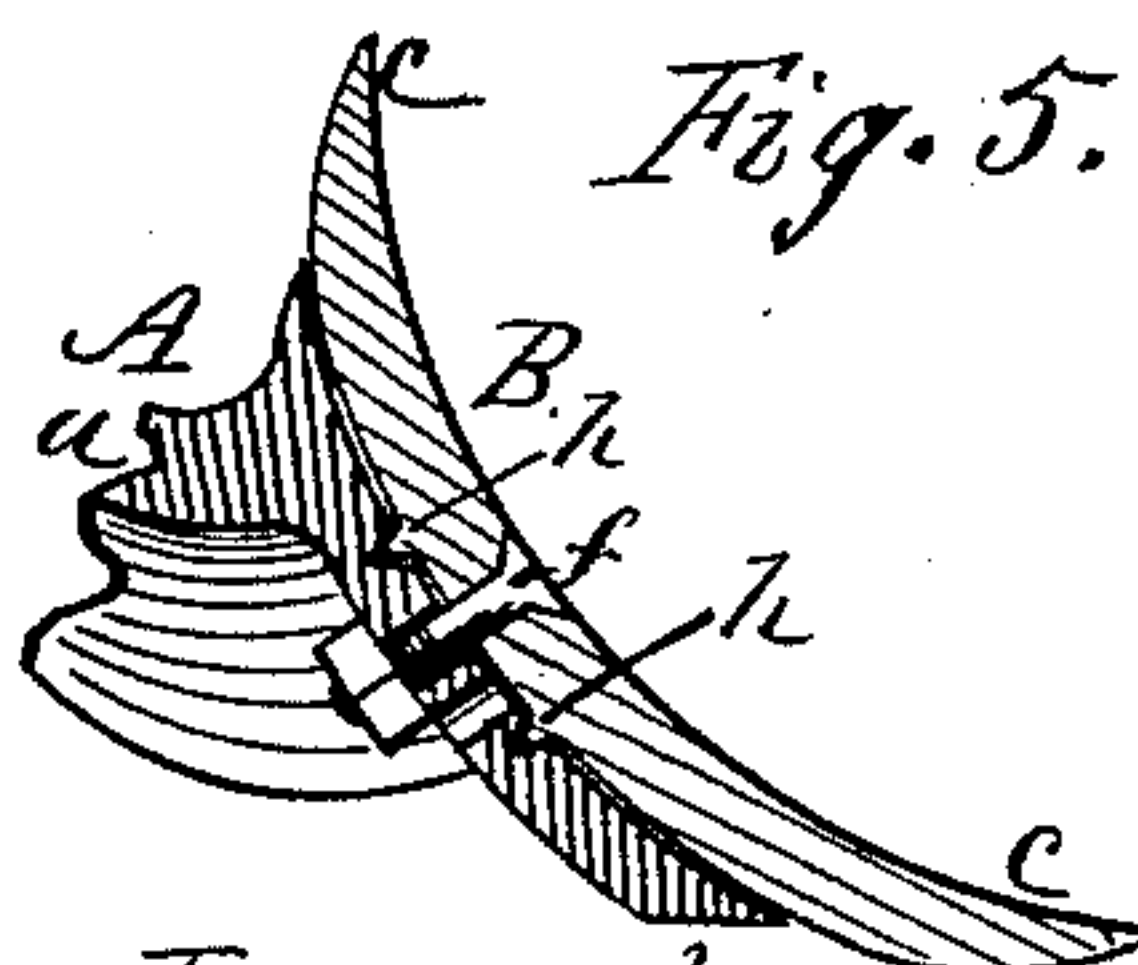
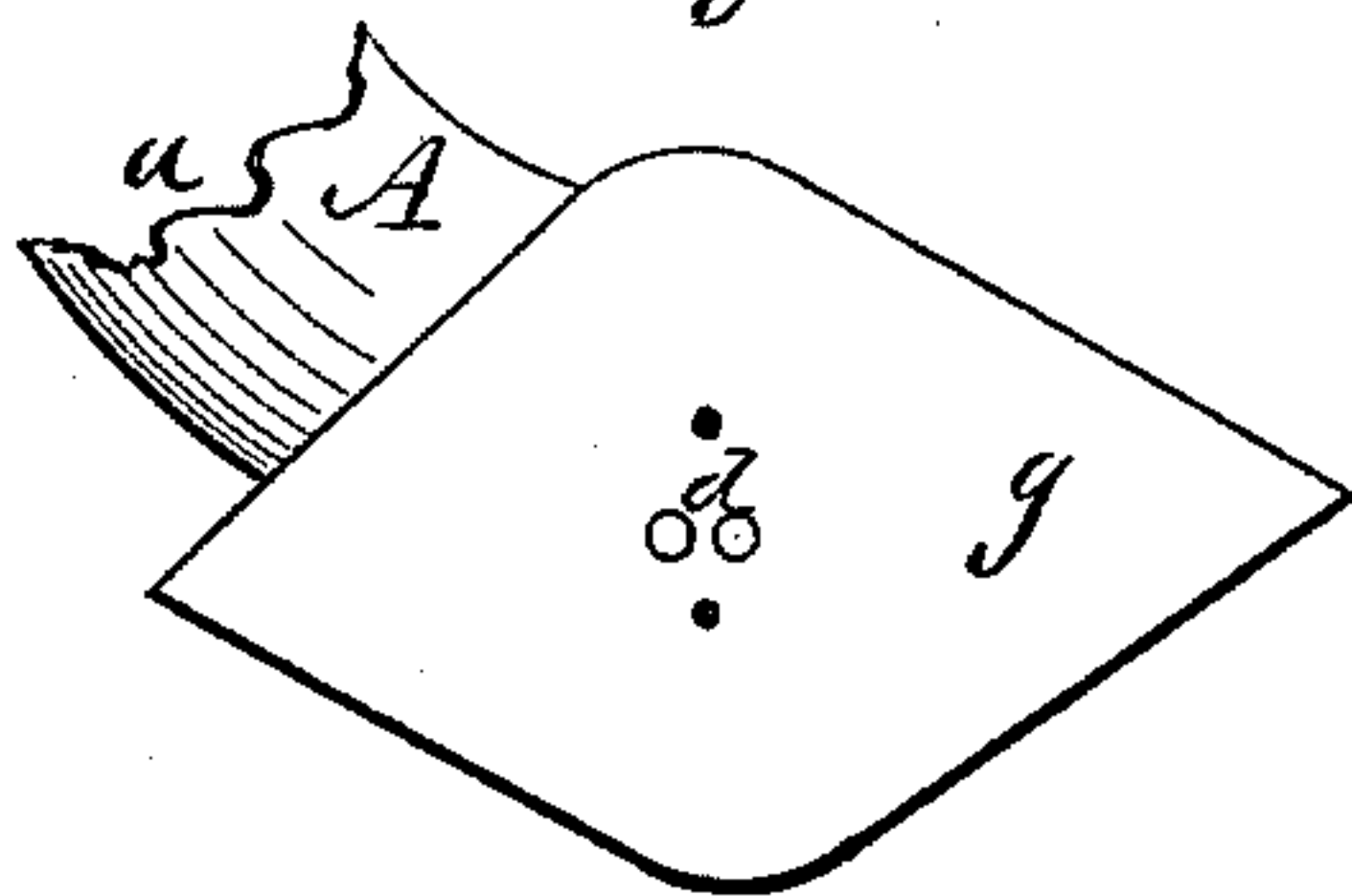


Fig. 5.

Attest.
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UNITED STATES PATENT OFFICE,

LESTER P. THOMPSON, OF PHELPS, NEW YORK.

PLOW-JOINTER.

SPECIFICATION forming part of Letters Patent No. 435,617, dated September 2, 1890.

Application filed December 31, 1885. Serial No. 187,211. (No model.)

To all whom it may concern:

Be it known that I, LESTER P. THOMPSON, of Phelps, in the county of Ontario and State of New York, have invented a certain new and useful Improvement in Plow-Jointers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a top view of the same. Fig. 3 is a side view of the standard removed from place. Fig. 4 is a bottom or back view of the wing. Fig. 5 is a section in line $x x$ of Fig. 1.

My invention consists of a reversible plow-jointer having two opening-points and two side wings, the latter when in position forming a horizontal cutting-edge, while the other wing and point serve the purpose of a turning mold-board by reason of their special curvature and having a central bolt-hole and two bosses for the securing of the jointer to the share, as hereinafter more fully described.

In the drawings, A shows the standard, and B shows the wing. The standard is of usual form, but has a curve or bend a near the lower end, which brings the blade in proper position to cut in advance of the plow, and also allows proper clearance. The wing is made with two opening-points $b b$, which are counterparts, also two side wings $c c$ for turning the furrow. In the center is a hole d , through which passes a bolt f , that secures the wing to the foot g of the standard. On each side of the bolt and equidistant therefrom the wing has on its under side two bosses or studs $h h$, which strike into holes in the foot of the standard, and thus hold the wing in position and prevent it from swinging around. In cross-section the wing has such a curve as to properly throw the furrow over whichever of the points stand forward.

By the form of the wing as above described, with two points and two curved sides, which are counterparts and equidistant from the center, the wing can be used either end forward with the same result. The curves are reverse to each other, by which means, when standing in front, each will turn its furrow. The bosses or studs $h h$ hold the point in place with the assistance of a single bolt.

As ordinarily constructed, the beam of the plow is swiveled or pivoted on the front end of the landside or mold-board, so that the beam can be set at different angles, according to the necessities of the case. For instance, if three horses are used instead of two, the beam is set to the left. This of course carries the jointer with it and presents the point at a different angle to the cut of the plow. It is necessary, therefore, to change the jointer on its standard, so as to stand square or in line with the cut. This is done by making two holes $d d$ in the foot of the standard, through either of which the bolt f can pass. It is only necessary to change the bolt from one to the other of the holes to accomplish the result. A single hole only is required in the point, and as one at least of the bosses h will remain in its hole the point will be always held in a fixed position.

Having described my invention, I do not claim, simply and broadly, a plow-point made double pointed and reversible in position; but

What I claim as new, and desire to secure by Letters Patent, is—

1. A reversible jointer formed with two opening-points $b b$ and two side wings $c c$, the latter when in position forming a horizontal cutting-edge, while the other wing and point serve the purpose of a turning mold-board by reason of their special curvature, and having a central bolt-hole and two spurs or bosses, substantially as shown and described.

2. The combination of the reversible jointer having a central bolt-hole and two bosses with a standard A, curved outward, as at a , and provided with an enlarged share-seat having two nearly central holes and two perforations to receive the bosses on the back of the jointer, as specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LESTER P. THOMPSON.

Witnesses:

WM. B. HOTCHKISS,
NATHAN OAKS.