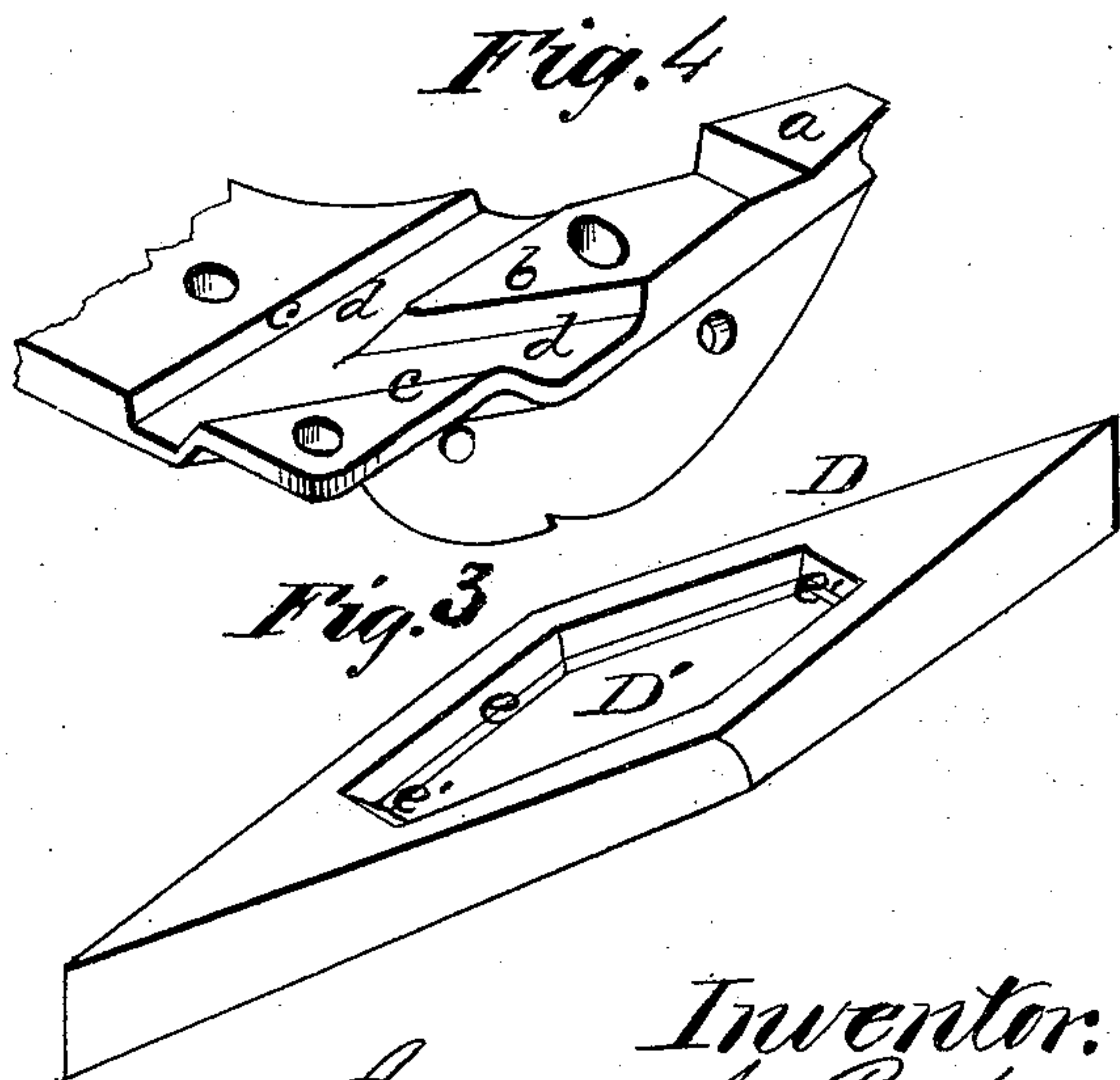
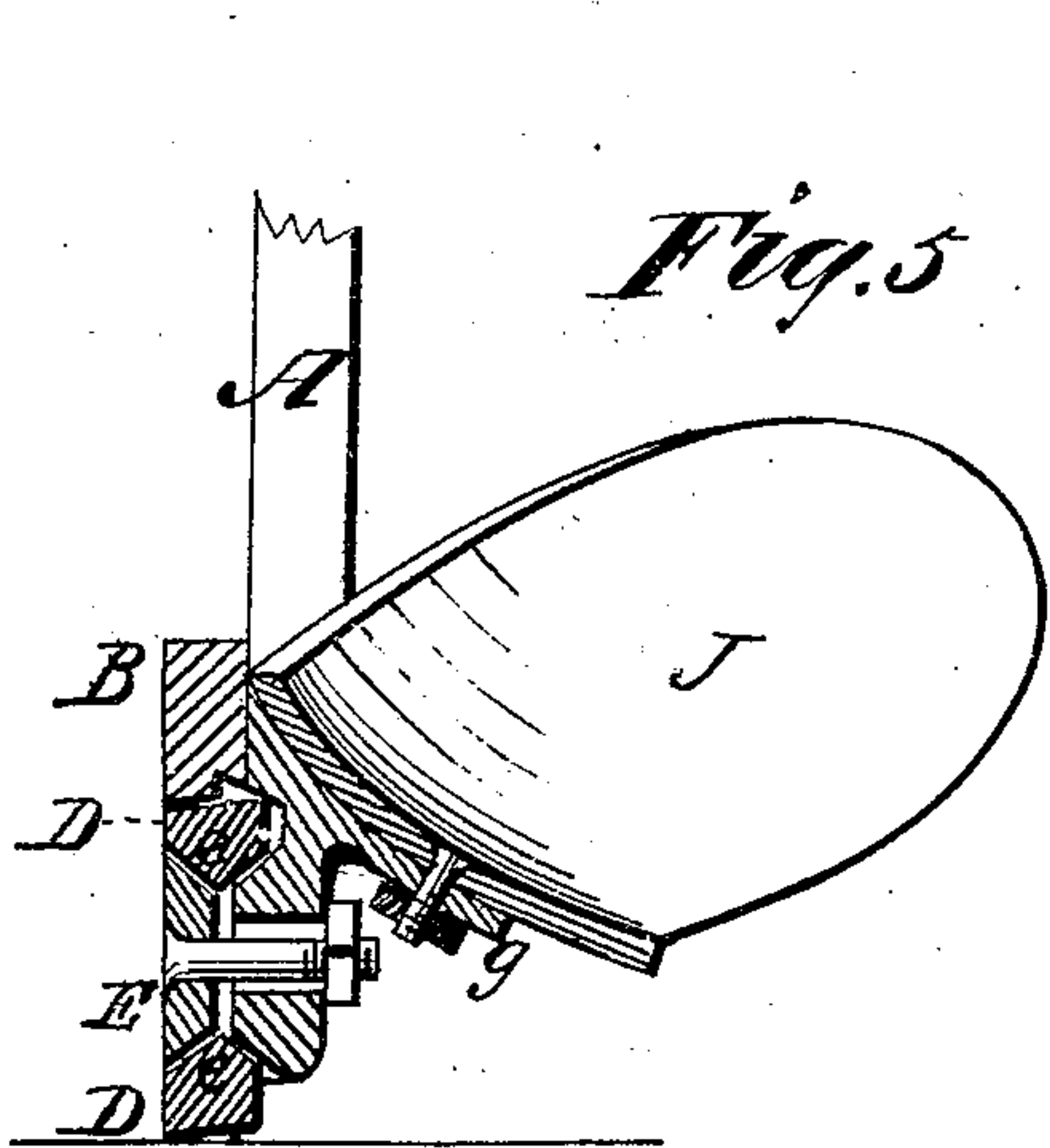
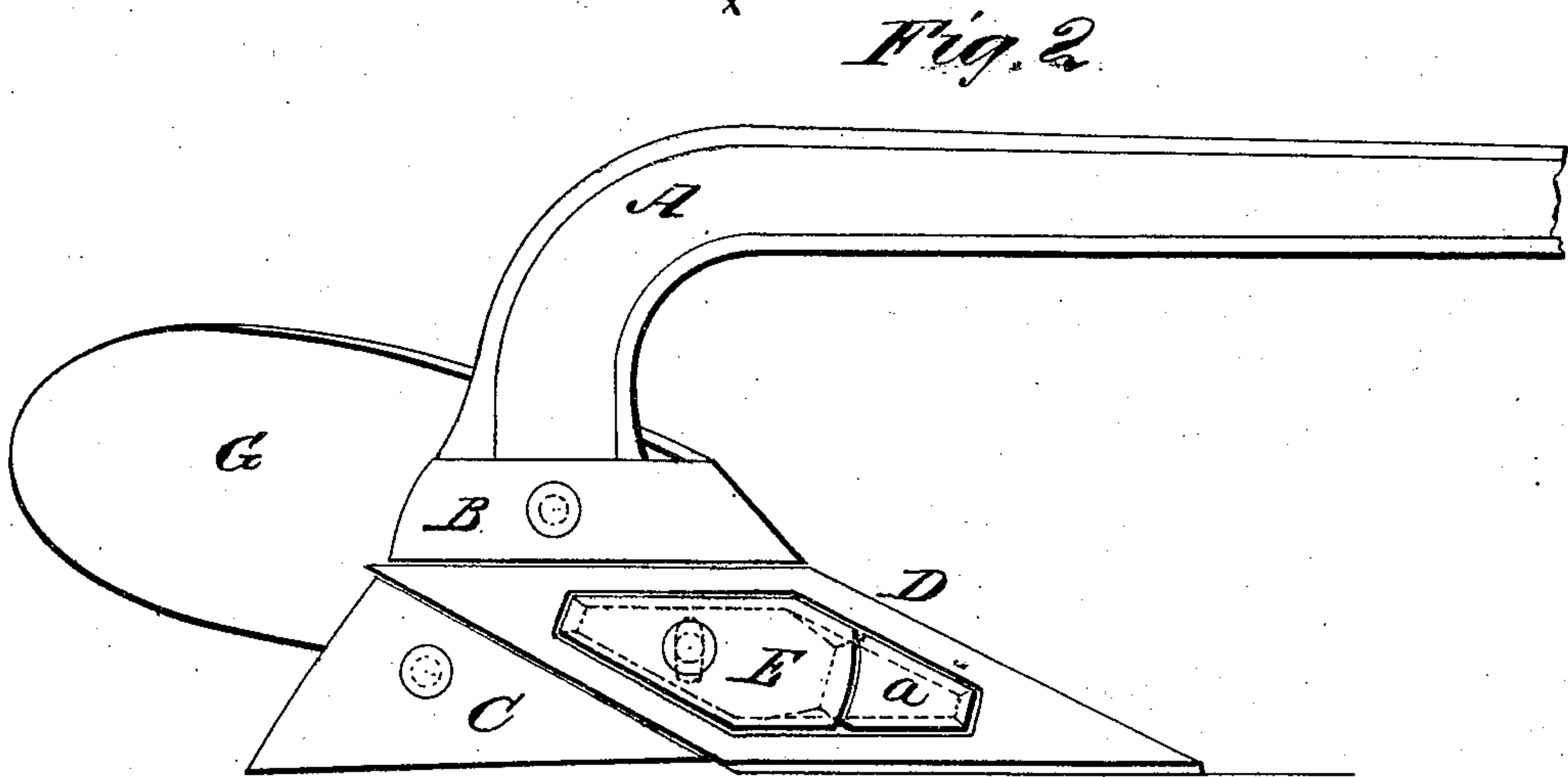
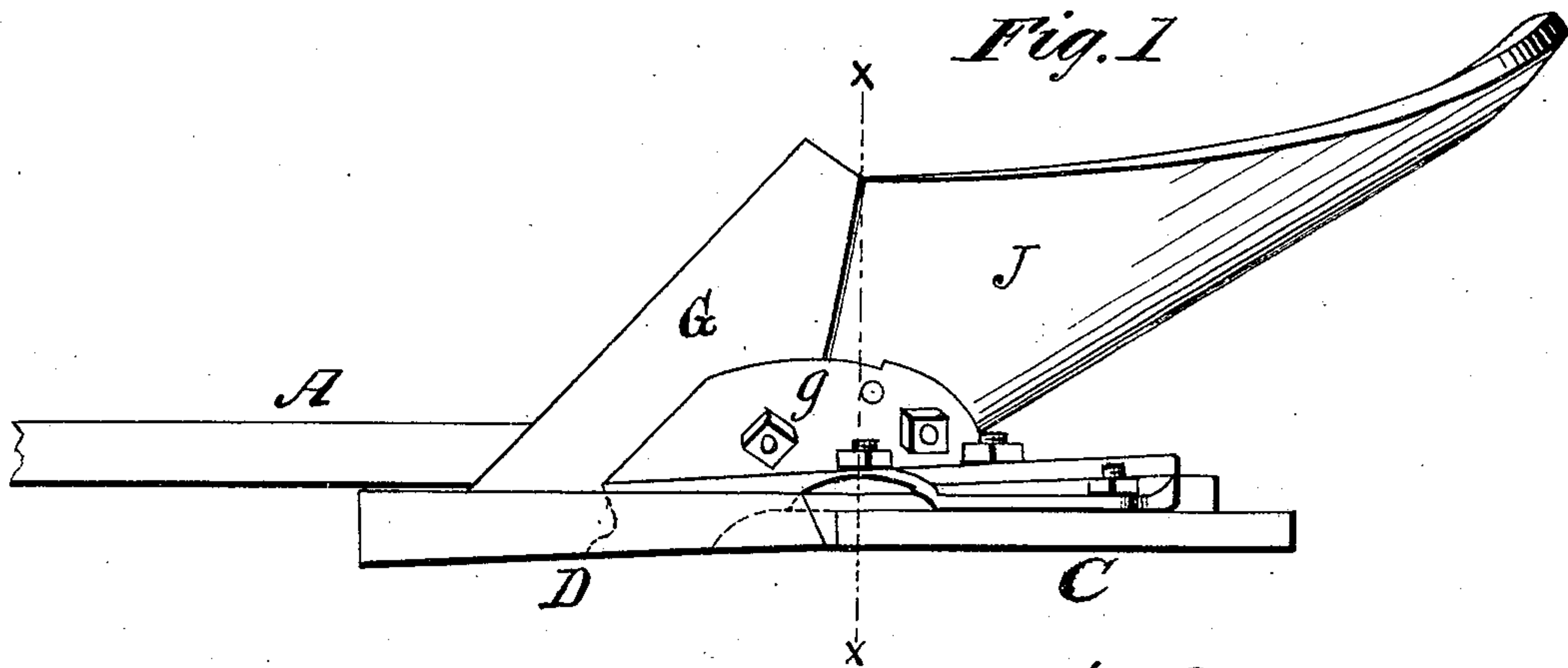


J. A. PEEK.
Plow-Points.

No. 153,109.

Patented July 14, 1874.



Witnesses:
George C. Upham,
Emory H. Bates

Inventor:
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UNITED STATES PATENT OFFICE.

JAMES A. PEEK, OF NORTH MANCHESTER, INDIANA.

IMPROVEMENT IN PLOW-POINTS.

Specification forming part of Letters Patent No. **153,109**, dated July 14, 1874; application filed May 9, 1874.

To all whom it may concern:

Be it known that I, JAMES A. PEEK, of North Manchester, in the county of Wabash and State of Indiana, have invented a new and valuable Improvement in Self-Sharpening and Supporting Reversible Plow-Points; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a bottom view of my plow, and Fig. 2 is a side view. Figs. 3 and 4 are detailed views, and Fig. 5 is a sectional view.

This invention has relation to turn-plows having curved metal beams and reversible points. It consists in constructing the land-side of the plow of four separate pieces or sections, removably secured to the lower portion of the beam, one of said pieces or sections being of such a shape that it forms a double ended reversible and self-sharpening point, and wedges itself in its place, as will be hereinafter explained.

The following is the description of my invention: In the annexed drawing, A designates the plow-beam, the rear or standard portion of which is made broad and terminates at its front end in a dovetailed point, *a*, which is grooved longitudinally and notched vertically, as shown in Fig. 4. This dovetailed portion *a* is formed on the land side of the standard portion of the plow-beam, and in rear of this portion *a* is a diamond-shaped portion, *b*, having beveled edges, and forming in combination with two shoulders, *c c*, two backwardly-converging grooves, *d d*. The general outline of the parts described on the land side of the plow-standard is that of a diamond. B C designate two plates, which have beveled edges, and which are removably bolted to the plow-standard, so as to form, in combination with the shoulders *c c* and the grooves *d d*, an angular recess, which is adapted for receiving the rear half of a dia-

mond-shaped plow-point, D, the upper and lower edges of which are beveled to correspond snugly to the beveled edges of the two plates B C. The lower edge of this point, which is exposed beyond the plate C, and the lower edge of the latter, form the land-side sole, as shown in Fig. 1. The point D has a diamond-shaped opening, D', centrally through it, which is bounded by double-beveled edges *e e'*, adapted to be received into the grooves and notch in the dovetailed portion *a*.

The plates B C are respectively secured to the standard by a single bolt, which will allow them to adjust themselves tightly to the plow-point, when it is forced backward between them. E designates a plate having beveled edges, which is fitted into the hole D' through the point D and constructed to bear in a wedging manner against the rear beveled end of the portion *a*, and when bolted to the standard to firmly hold the point in its place. When the parts B, C, D, and E are secured in their places their land side surfaces are all flush with the surface of the portion *a*.

I thus form a sectional land-side, the sections composing which can be renewed at pleasure. I also obtain a plow-point which is reversible end for end, which can be turned over, and which is self-sharpening.

The share G and mold-board, J are secured to an inclined flange, *g*, which is formed on the beam-standard, as shown in Fig. 1.

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

The land side of the beam standard A constructed with a grooved and notched portion, *a*, in combination with the removable plates B C, the grooves *d d*, the point D, and clamping-plate E, constructed substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES A. PEEK.

Witnesses:

JOHNSON M. BURDGE,
D. S. MILLER.