

J. E. BECKER.

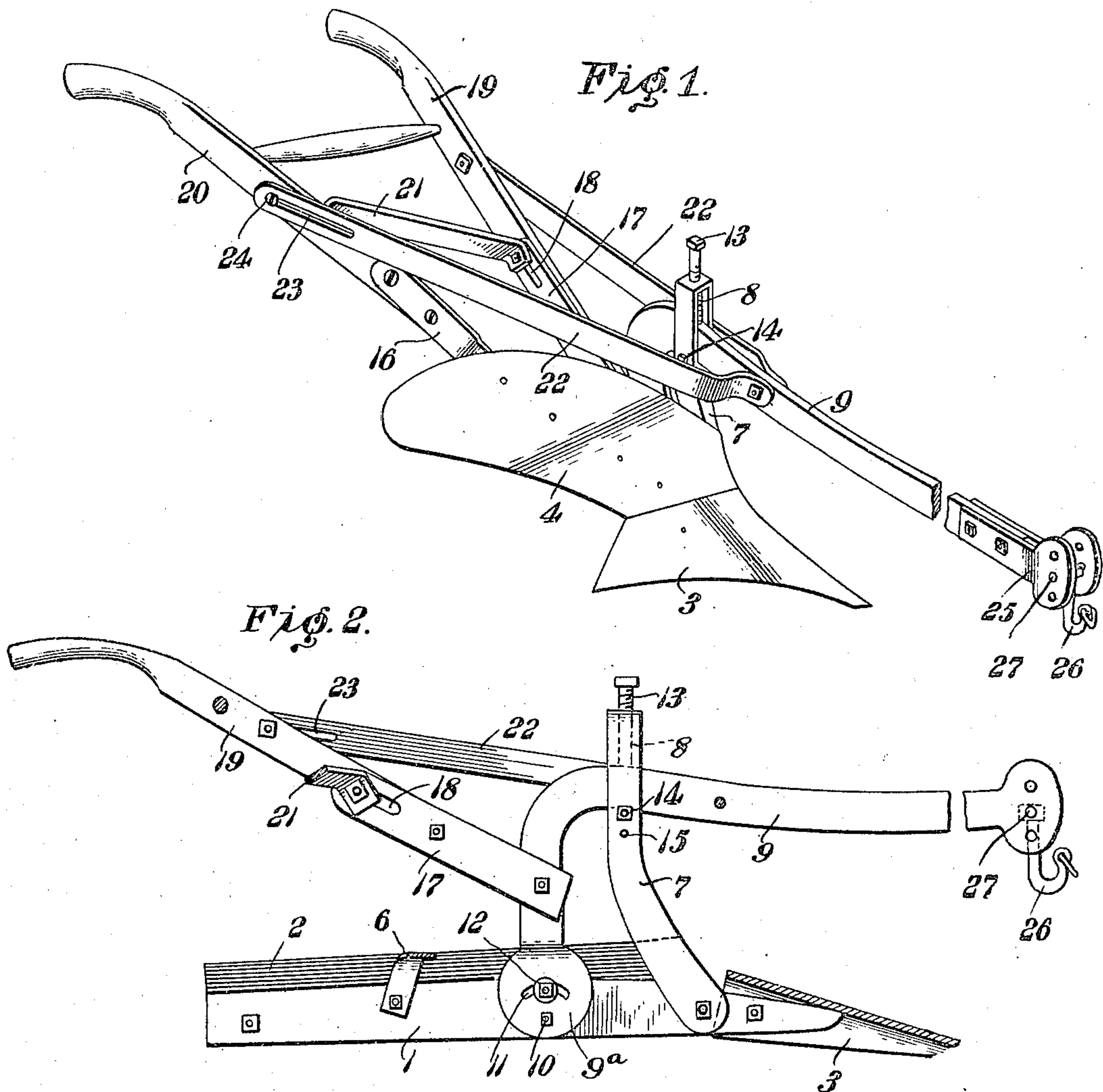
PLOW.

APPLICATION FILED MAY 23, 1908.

951,792.

Patented Mar. 15, 1910.

2 SHEETS—SHEET 1.



Inventor

J. E. Becker.

Witnesses

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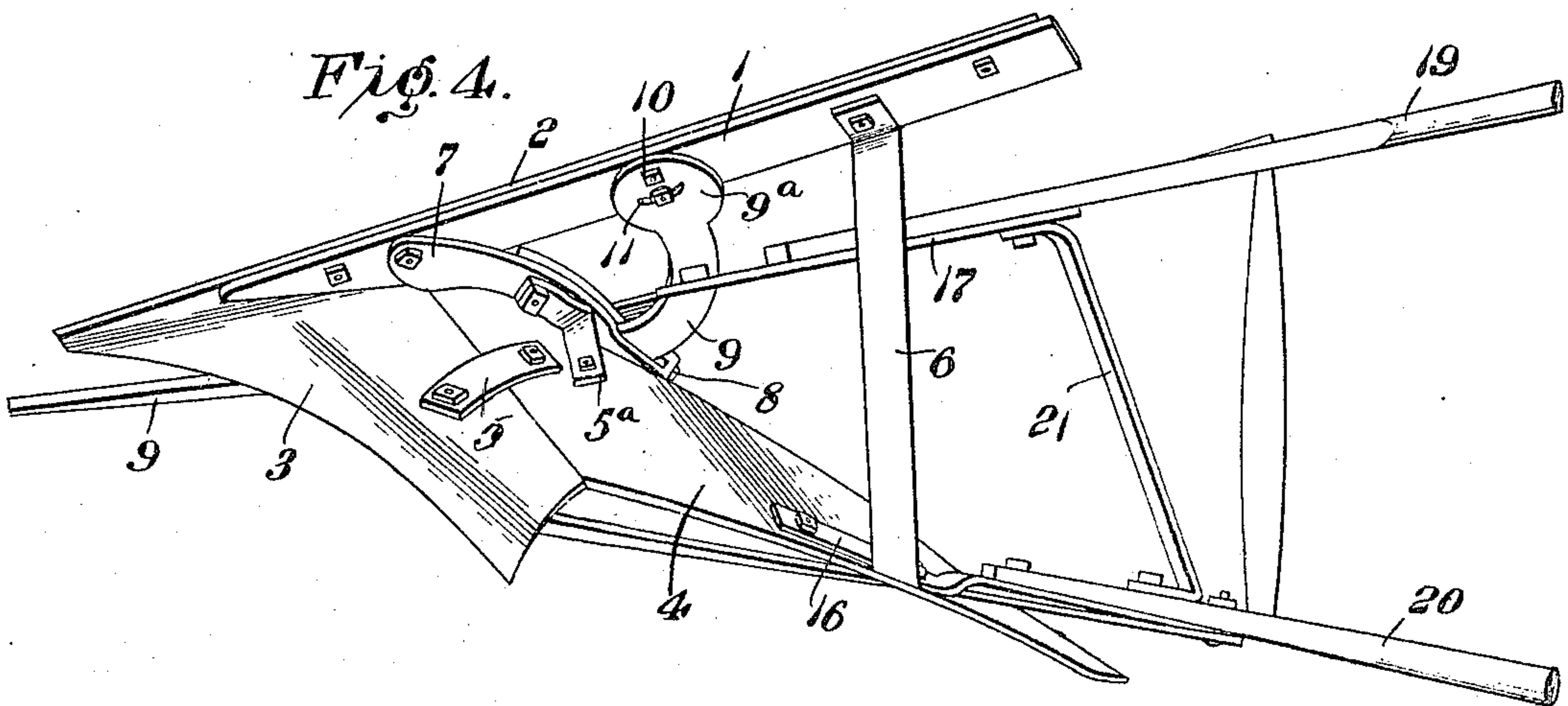
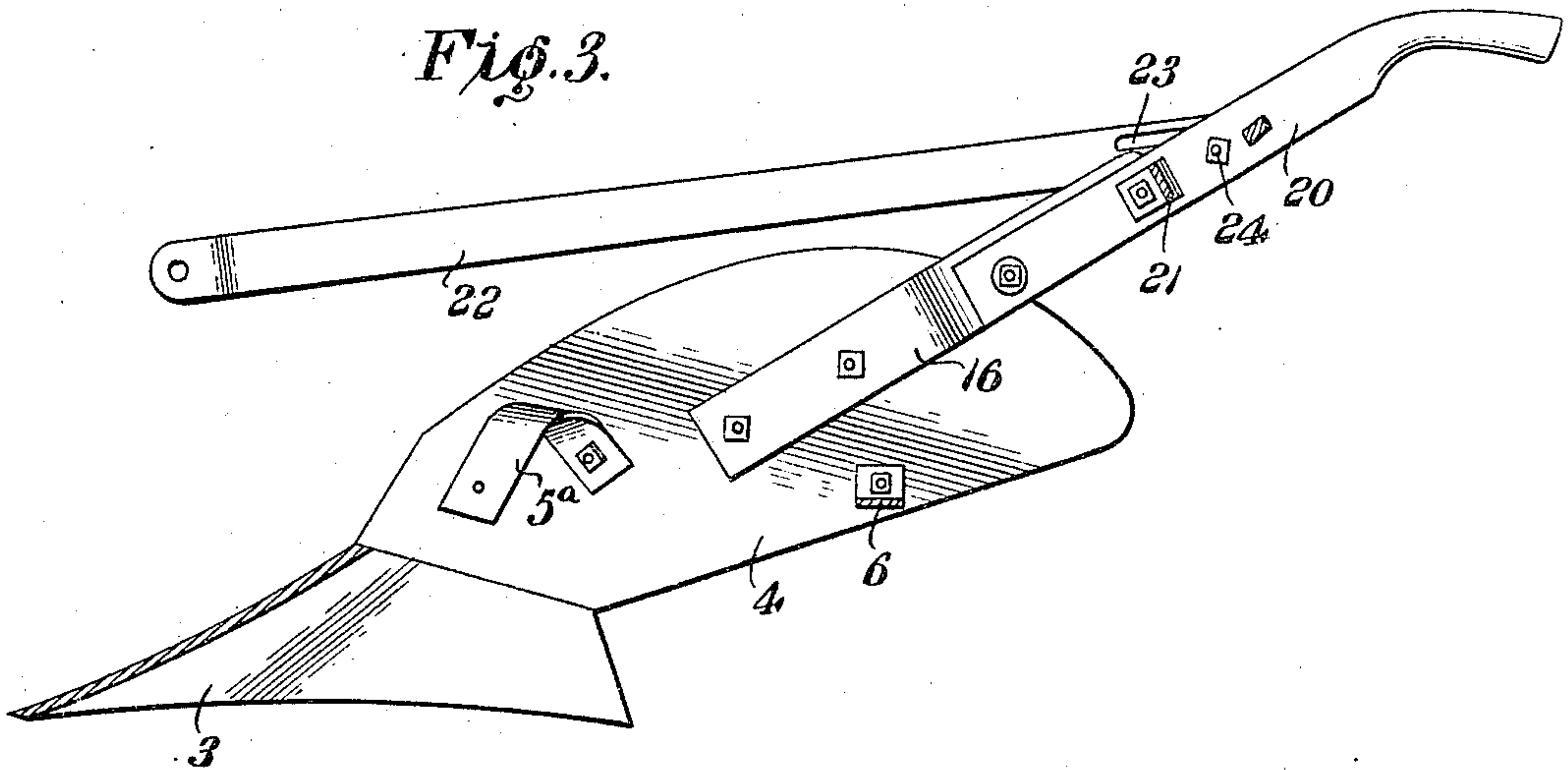
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Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH E. BECKER, OF FOREMAN, ARKANSAS.

PLOW.

951,792.

Specification of Letters Patent. Patented Mar. 15, 1910.

Application filed May 23, 1908. Serial No. 434,539.

To all whom it may concern:

Be it known that I, JOSEPH E. BECKER, citizen of the United States, residing at Foreman, in the county of Little River and State of Arkansas, have invented certain new and useful Improvements in Plows, of which the following is a specification.

This invention has for its object an improved construction of break beam plow which is capable of being easily adjusted to raise or lower the beam for deep or shallow plowing, and the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention and the merits thereof, and to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a plow constructed in accordance with my invention; Fig. 2 is a longitudinal sectional view thereof with the mold-board removed; Fig. 3 is a similar view looking in the opposite direction; and, Fig. 4 is a bottom plan view.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings, by the same reference characters.

Referring to the drawings, the numeral 1 designates the runner of my improved plow which embodies a longitudinally extending and vertically disposed bar, as shown, the land side 2 being secured by bolts or similar fastening devices to the outer side of the runner, as clearly illustrated in the drawings.

3 designates the share and 4 the mold board, the share being secured by bolts or the like to the front end of the runner 1 and being secured to the mold board by means of a brace 5. The mold board is in turn secured by means of a brace 6 to the runner 1 near the rear end thereof.

7 designates a vertically disposed standard having its lower end inclined in the direction of the share 3 and bolted or otherwise secured to the front end of the runner 1 and which is also secured as by bolts and an angular brace 5^a to the mold board 4. The standard 7 is provided at its upper end with a vertically disposed slot 8 through which the plow beam 9 extends. The rearwardly projecting end of the plow beam is

pivotally connected to the inner face of the runner 1 by a pivot bolt 10, and the said beam is formed at its lower extremity with a head 9^a that is formed with an arcuate slot 11 disposed concentric with the pivot bolt and in which a clamping bolt 12 works so as to rigidly connect the lower extremity of the plow beam to the runner after the former has been adjusted. A set screw 13 works downwardly in the upper end of the standard 7 and into the slot 8, and is designed to bear upon the upper edge of the plow beam 9 so as to force the same downwardly when it is desired to lower the front end of the plow beam, and a pin 14 is designed to extend through any pair of a plurality of pairs of apertures 15 formed in the slotted portion of the standard 7, the pin extending underneath the lower edge of the plow beam, so as to hold the same as against downward displacement, after it has been adjusted to the desired elevation.

16 and 17 designate respectively the right and left hand handle irons. The right hand handle iron 16 is bolted to the mold board 4 at one end, while the left hand handle iron 17 is bolted to the beam 9, near the lower end thereof, and is provided with slots 18 which accommodate bolts that are connected to the left handle 19.

20 designates the right handle which is connected to the rear end of the handle iron 16, as shown.

21 designates a cross brace for the handles, said brace being preferably secured at the left side of the plow by one of the bolts which extend through the end of the slot 18 of the handle iron 17.

22 designates the main braces which are connected at their forward ends to the beam in front of the standard 7, and which diverge rearwardly and are formed at their rear ends with the slots 23, clamping bolts 24 being accommodated in said slots and being secured to the wooden handles 19 and 20 in the rear of the handle irons.

In adjusting my improved plow for deep or shallow plowing, the clamping bolts 24 are loosened, as are also the clamping bolts that work in the slots 18 and the clamping bolt 12, and the set screw 13 is then adjusted, being loosened if the plow beam is to be raised, and tightened if the plow beam is to be lowered, the pin 14 being shifted correspondingly to lower or upper pairs of apertures 15. After the adjustment, it is mani-

fest that the parts are again tightened so as to maintain the plow beam at the desired elevation. As the handle iron 17 is secured to the downwardly extending rear end of the beam 9, it is therefore shoved forwardly or rearwardly as the beam is adjusted and the adjustable connection between said handle iron and the cross piece 21 is provided.

Having thus described the invention, what I claim is:

A plow comprising a runner, a landside secured to the outer face of the runner and terminating short of end thereof, a moldboard having connection with said runner, a plow share secured to the projecting end of the runner, a standard having its upper end provided with a yoke, and its lower end inclined in the direction of the share and interposed between the landside and moldboard for pivotal connection with the runner at the rear of said share, a plow beam extending through the yoke of the standard and provided with a depending extension having an enlarged flat head adapted to bear

against the inner face of the runner at the rear of the pivotal connection between the standard and said runner, said enlarged head having its lower end pivotally connected with the runner and its central portion provided with an arcuate slot disposed concentric with the pivotal axis of the enlarged head, a fastening device extending through said slot and engaging the runner, an adjusting screw threaded in the top of the yoke and bearing against the adjacent longitudinal edge of the plow beam, a pin extending transversely through the walls of the yoke beneath the plow beam, and an angularly disposed brace connecting the inclined end of the standard with said moldboard.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH E. ^{his} × BECKER. [L. s.]
mark

Witnesses:

E. J. McIVER,
A. E. WATERS.