No. 808,574. PATENTED DEC. 26, 1905.

A. Q. PLUMMER.

RIDING FRAME FOR IMPLEMENTS.

APPLICATION FILED AUG. 22, 1905.

2 SHEETS—SHEET 1.

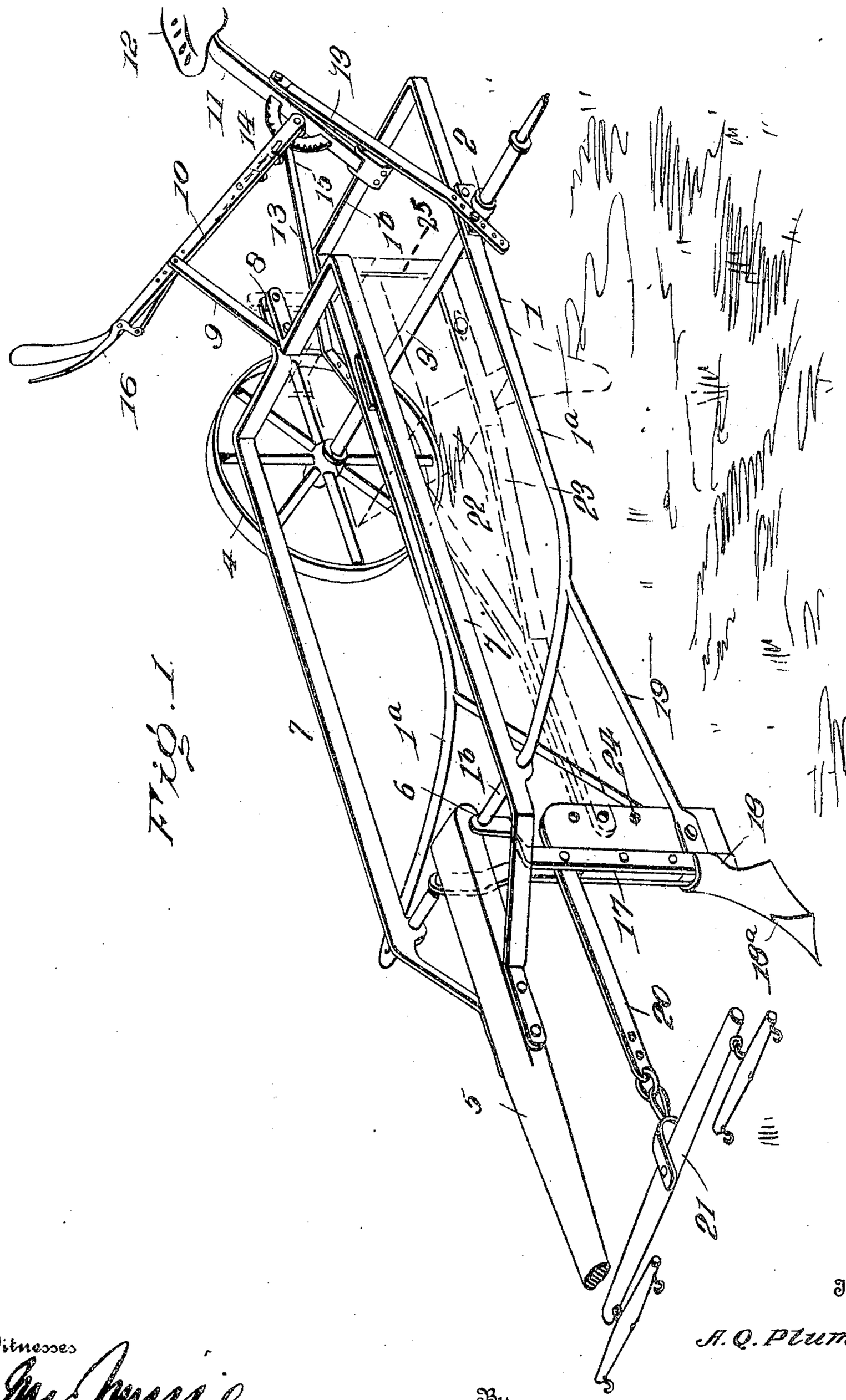

Fig. 1.

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2 SHEETS—SHEET 2.

FIG. 3

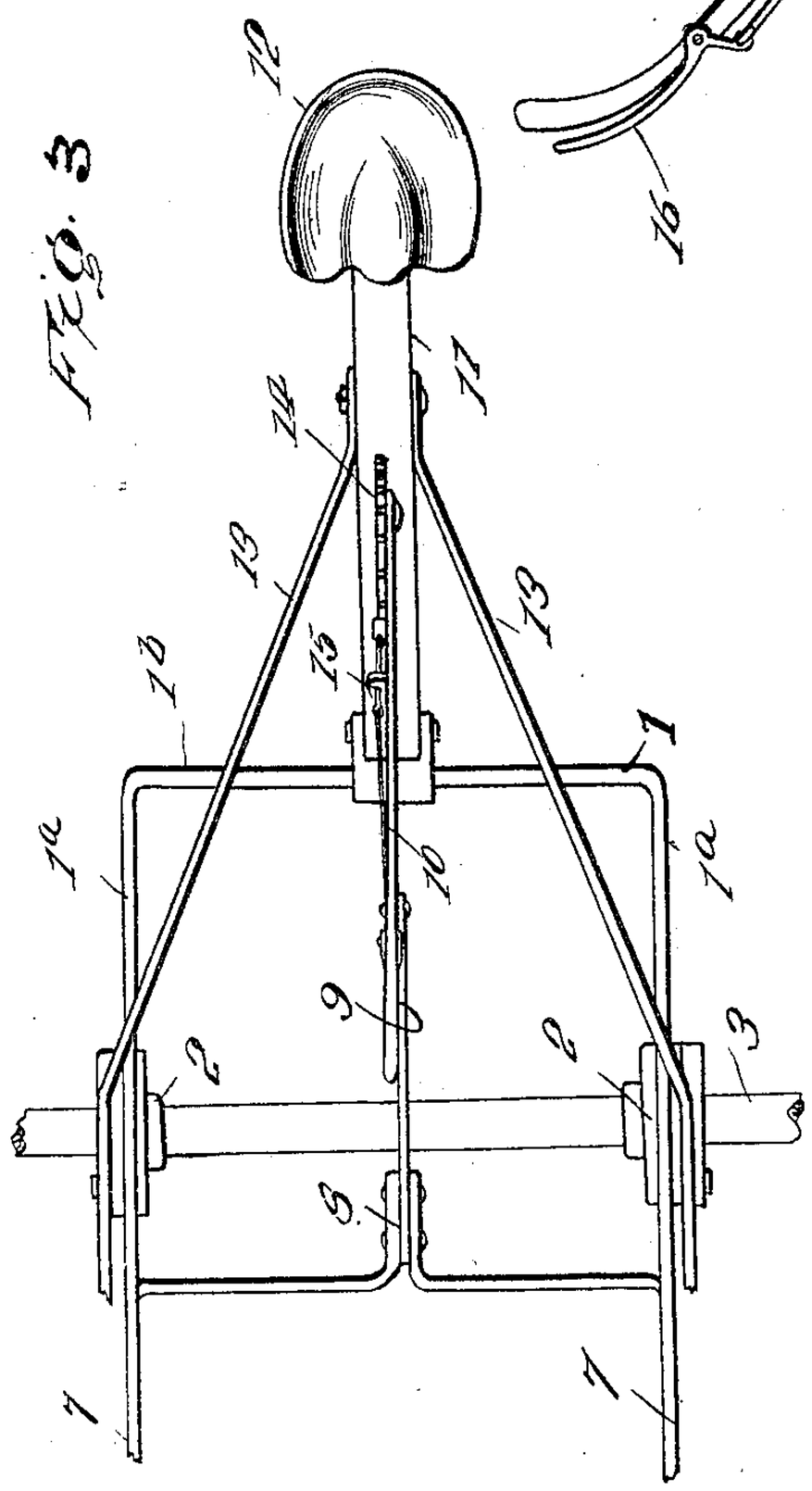
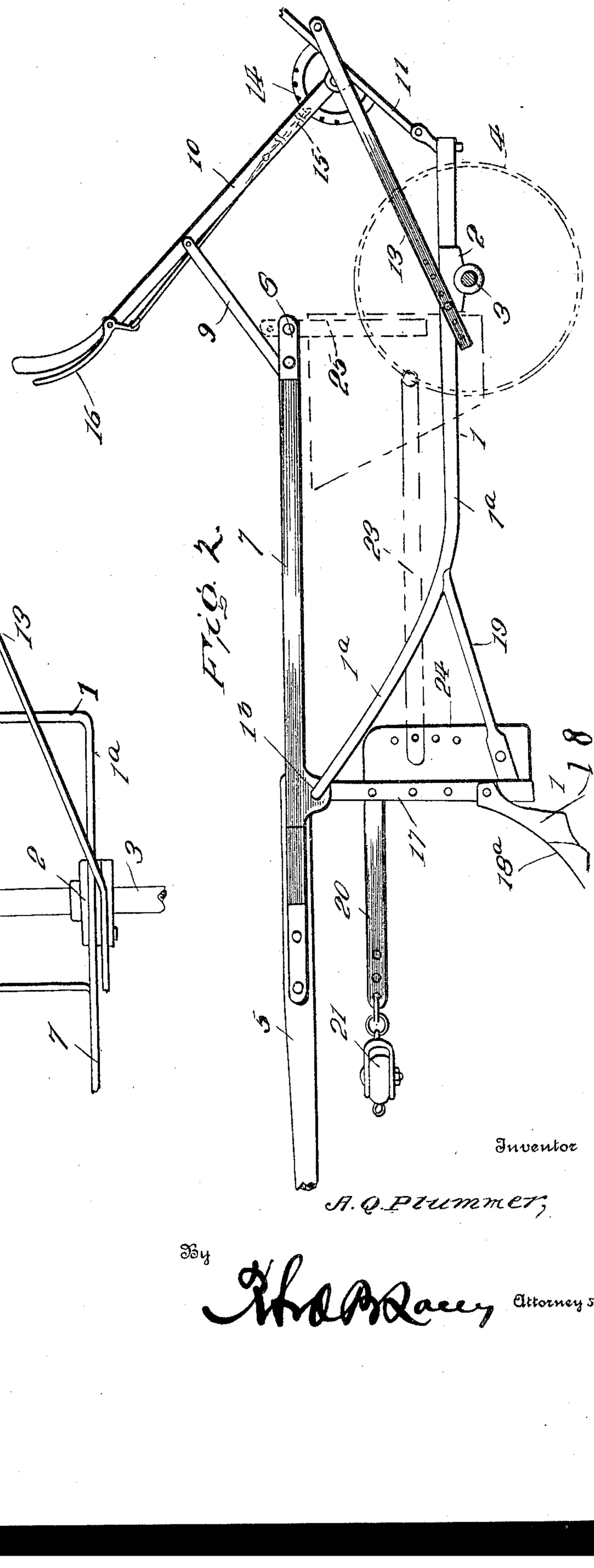


FIG. 2.



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UNITED STATES PATENT OFFICE.

ALSON Q. PLUMMER, OF MORAN, TEXAS.

RIDING-FRAME FOR IMPLEMENTS.

No. 808,574. Specification of Letters Patent. Patented Dec. 26, 1905.

Application filed August 22, 1905. Serial No. 275,270.

To all whom it may concern:

Be it known that I, ALSON Q. PLUMMER, a citizen of the United States, residing at Moran, in the county of Shackelford and State of Texas, have invented certain new and useful Improvements in Riding-Frames for Implements, of which the following is a specification.

This invention embodies a novel form of riding-frame for agricultural implements, and an essential feature of the invention is comprised in the general simplicity of construction of the frame, the special means employed for adjusting the parts of the frame to adapt the same for different conditions of service, and the general advantageous arrangement of parts secured.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view showing a frame embodying a construction comprising the invention. Fig. 2 is a side elevation. Fig. 3 is a top plan view, the front portion of the riding-frame being broken away.

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.

Specifically describing the invention and the detail parts thereof, it is designed that the supporting-frame shall be of a construction admitting of the attachment thereto of a suitable hopper and dropping means connected therewith in order that a planter may be constructed. Further, the invention aims to adapt the frame for the attachment of a plow or sweep thereto in order that the supporting-frame may be converted into a plow or similar implement.

The numeral 1 denotes the main frame, the same being comprised of suitable longitudinal side bars 1^a and transverse end bars 1^b. Near the rear end portion of the frame 1 journal members 2 are attached to the side bars 1^a thereof, having bearings in which an axle 3 is mounted. The axle 3 is supported by the usual ground-wheels 4. The front end bar 1^b of the frame 1 aforesaid is pivoted to a tongue 5, as shown at 6, and brace means are utilized to afford a connection between the tongue and the frame 1 independently of the connection shown at 6, above mentioned. For this purpose spaced brace-rods 7 are used, said rods being secured at their front ends to the tongue 5 at a point somewhat in advance of the point of connection 6 of the frame therewith. The rear end portions of the brace-rods 7 are brought together, as shown at 8, and joined by means of a link connection 9 with a lever 10, pivotally mounted at the rear portion of the frame 1. The lever 10 is pivoted at its lower end to a seat-post 11, the lower end of which is pivoted to the rear end bar 1^b of the frame 1. The seat-post 11 is attached at its upper end to a suitable seat 12, upon which the operator may sit, and diverging braces 13 connect the seat-post with the side bars 1^a of the frame 1. The lower ends of the braces 13 have a plurality of openings whereby the same may be adjustably connected to the frame 1 to admit of varying the position of the seat in order to balance the implement-frame and the parts supported thereby as nearly as practicable. A toothed segment 14 is attached to the post 11 and is adapted to be engaged by a latch 15, operated by a suitable handpiece 16 on the lever 10, and said lever 10 may thus be held at a predetermined point of adjustment in order to positively position the tongue 5 at an ascertained adjustment relative to the frame 1. Projecting downwardly from the rear end portion of the tongue 5 is the standard 17, at the lower end of which is mounted a foot-piece 18, to which may be attached a plow 18^a or the like, said foot-piece being adapted for adjustment in order to vary the inclination thereof as desired. The standard 17 is braced by means of upwardly-extending braces 19, the rear end portions of which are attached to the side bars 1^a of the frame 1, the front or lower ends of the braces 19 being directly secured to a member 24. A draft-arm 20 projects forwardly from the standard 17 and is preferably connected therewith, said draft-arm being spaced from the tongue 5 and located just beneath the same. A suitable doubletree may be attached to the arm 20 and is shown at 21.

The detail advantages of the structure as above set forth will be obvious and need not, therefore, be described.

When the riding-frame is used forming the framework of the planter, the seedbox or hopper 22 (shown in dotted lines in Fig. 1) will be carried by supporting-bars 23, the front end portions of which will be connect-

ed with a downwardly-extending member 24 at the rear portion of the draft-arm 20. Suitable members 25 will be connected with the rear extremities of the brace-rods 7 and with the hopper 22 to assist in supporting said hopper. The rear end portions of the bars 23 will of course be secured to the hopper in any substantial way. When the riding-frame is used for planting purposes, the plow 18[a] may be used or dispensed with, as desired.

Having thus described the invention, what is claimed as new is—

1. A riding-frame for implements comprising side bars and end bars, a tongue attached to the front portion of said frame, a supporting-axle at the rear portion of the frame, wheels for said axle, brace-rods connected with the tongue, and adjustable means mounted on the frame and connected with the brace-rods for adjusting the relative positions of the tongue and frame.

2. A riding-frame for implements comprising side bars and end bars, a tongue attached to the front portion of said frame, a supporting-axle at the rear portion of the frame, wheels for said axle, brace-rods connected with the tongue, a lever pivoted to the rear portion of the frame and connected with the brace-rods, and means for adjusting the position of the lever to vary the relative positions of the tongue and frame.

3. A riding-frame for implements comprising side bars and end bars, a tongue attached to the front portion of said frame, a supporting-axle at the rear portion of the frame, wheels for said axle, brace-rods connected with the tongue, adjustable means mounted on the frame and connected with the brace-rods for adjusting the relative positions of the tongue and frame, a seat-post projecting upward from the rear portion of the frame, a seat supported thereon, and means for adjusting the position of the seat.

4. A riding-frame for implements comprising side bars and end bars, a tongue attached to the front portion of said frame, a supporting-axle at the rear portion of the frame, wheels for said axle, brace-rods connected with the tongue, an adjustable lever mounted on the frame and connected with the brace-rods for adjusting the relative positions of the tongue and frame, a seat-post projecting upward from the rear portion of the frame, a seat supported thereon, means for adjusting the position of the seat, and an adjustable brace connecting the seat with the sides of the frame aforesaid, whereby the position of the seat may be varied for the purpose specified.

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

ALSON Q. PLUMMER. [L. S.]

Witnesses:

EVA BOURLAND,

CLYDE WATTS.