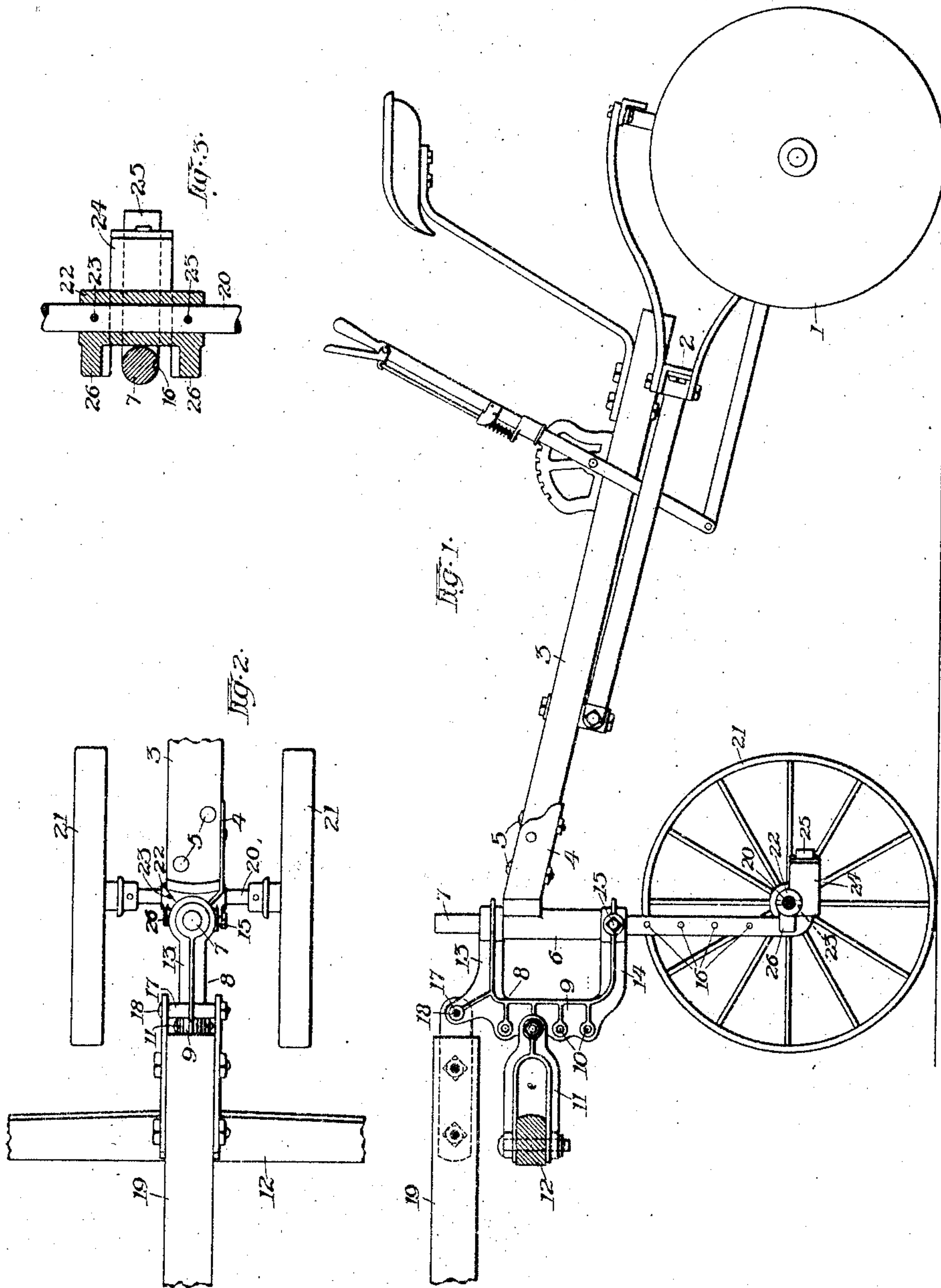


No. 879,331.

PATENTED FEB. 18, 1908.

C. S. SHARP.
POLE TRUCK FOR TILLAGE IMPLEMENTS.

APPLICATION FILED JULY 29, 1907.



Witnesses:

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CHARLES S. SHARP, OF AUBURN, NEW YORK, ASSIGNOR TO INTERNATIONAL HARVESTER COMPANY, A CORPORATION OF NEW JERSEY.

POLE-TRUCK FOR TILLAGE IMPLEMENTS.

No. 879,331.

Specification of Letters Patent.

Patented Feb. 19, 1909.

Application filed July 29, 1907. Serial No. 395,954

To all whom it may concern:

Be it known that I, CHARLES S. SHARP, a citizen of the United States, residing at Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Pole-Trucks for Tillage Implements, of which the following is a specification.

My invention relates to pole-trucks, and particularly to those devices in that class that are designed as attachments for disk harrows, cultivators, seeders and such like machines; the object of my invention being to provide a device of the class described that will be strong and simple in construction, composed of few parts and be effective in operation. I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 represents a side elevation of a disk harrow and pole-truck attached thereto; Fig. 2 is a top plan view of the pole-truck; and Fig. 3 is a detached detail, partly in section, representing a portion of the truck axle and sleeve secured thereto.

The same reference numerals represent like parts throughout the various views.

1 represents one of a series of disks forming part of a disk harrow; 2 represents a frame member of the harrow, and 3 a stub tongue secured to said frame member; 4 is a bracket secured to the forward end of the stub tongue by means of bolts 5, and integral with the bracket is a vertical bearing member 6, that receives in a rotatable manner a bar 7.

8 represents a draft bracket having a vertical member 9, provided with a series of openings 10 whereby a clevis 11 may be attached thereto; the clevis being arranged to receive a draft evener 12 in a common way; and 13 and 14 represent rearwardly extending arms at the upper and lower ends, respectively, of said draft bracket, the arms being provided with vertically disposed openings that receive the bar 7 at opposite ends of the bearings 6; the arm 14 being provided with a set screw 15 whereby the bar may be secured against longitudinal movement relative to the draft bracket, and may be adjusted in the bracket and the set screw received by either of the series of depressions 16 in the bar. The draft bracket is provided at its upper end with a transversely arranged spool portion 17 that is pro-

vided with a longitudinal opening through which a bolt 18 passes in a manner to pivotally connect the rear end of a tongue 19 with said draft bracket.

20 represents a truck axle having the wheels 21 rotatably mounted at opposite ends thereof, and 22 is a sleeve secured to the axle intermediate its ends by means of pins 23, the sleeve being provided with a bearing 24 horizontally arranged and extending at substantially right angles with said axle, and 25 is a horizontally arranged portion of the bar 7 received by said bearing in a manner permitting said axle to vibrate about the axis of said bearing; and 26 represents lugs integral with the sleeve and projecting at right angles therefrom upon opposite sides of the vertical portion of the bar 7 in a manner to limit a rocking movement of the axle about the axis of the bearing 24.

What I claim as my invention, and desire to secure by Letters Patent, is:

1. In a pole-truck for tillage implements, the combination of a stub tongue forming part of the implement, a vertically arranged bearing secured to the forward end of said stub tongue, a bar rotatably mounted in said bearing, a draft device secured to said bar, a truck axle, a sleeve secured to said axle, said sleeve having a bearing arranged horizontally and at substantially right angles with said axle, said bar having a horizontally disposed portion received by said bearing in a manner permitting said axle to rock about the axis of said bearing, said sleeve having lugs extending at right angles therefrom upon opposite sides of said bearing, said lugs being adapted to contact with the vertical portion of said bar in a manner to limit a rocking movement of said axle.

2. In a pole-truck for tillage implements, the combination of a stub tongue forming part of the implement, a vertically arranged bearing secured to the forward end of said stub tongue, a bar rotatably mounted in said bearing, a draft device secured to said bar, said draft device comprising a vertically arranged member having a series of openings whereby a draft clevis may be attached thereto, and rearwardly extending arms having vertically arranged openings that receive said bar at opposite ends of said vertical bearing, means for adjustably securing one of said arms to said bar, a tongue,

said tongue having its rear end pivotally connected with the upper end of said vertical member by means of a pin arranged transversely thereof, a truck axle, a sleeve secured to said axle, said sleeve having a bearing arranged horizontally and at substantially right angles with said axle and said bar having a horizontally disposed portion received by said bearing in a manner permitting said axle to rock about the axis of said bearing.

CHARLES S. SHARP.

Witnesses:

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