To all whom it may concern:

Be it known that I, Moyne Leclercque Kelly, a citizen of the United States, and a resident of Waco, in the county of McLennan and State of Texas, have invented certain new and useful Improvements in Disk-Plow Mountings, of which the following is a specification.

This invention relates to a disk plow mounting.

The object of the invention is to provide an exceedingly simple means whereby a disk plow may be mounted upon a vehicle or running gear in an exceedingly flexible manner, that is, the mounting means permit the disk plow to be adjusted vertically with relation to the supporting running gear and also permit the disk plow to be adjustably tilted in either direction.

Other objects relating to details of construction will hereinafter appear in the detailed description to follow.

The invention is illustrated by way of example in the accompanying drawings, in which:

Figure 1 is a top plan view showing a disk plow secured or mounted upon the running gear, with the mounting means of the present invention;

Figure 2 is a vertical sectional view showing in detail the mounting means for the disk plow; and

Figure 3 is a view similar to Figure 2, but taken at right angles thereto, and further illustrating the particular structure of the mounting means for the disk plow.

Referring to the drawings more particularly, 10 indicates generally a frame which includes two side members 11 and two end members 12. This frame may be supported in any conventional manner, preferably by the drive wheel 13 and the two steering wheels 14.

The side frame members 11 are preferably of the structure shown, and to one of these side members there is secured a channel shaped member 15, said member having its body portion formed with a suitable extension 16 whereby the same may be additiona

The side portions 17 of the channel member 15 have extending there through a spindle 18, said spindle carrying upon its lower end a U-shaped member 19. Upon the lower end of the spindle 18 there is formed a U-shaped member 19 the bridge portion of which is provided with an outwardly extending arm 25 terminating in a circular enlargement 26 which is provided with a plurality of openings 30. The leg portions 20 of the member 19 are connected at their free ends by means of a pin 23. Between the leg portions 20 there is extended a block 21 which has journaled upon its outer end a disk plow 24. The pin 23 extends through a sleeve 22 formed upon the lower side of the block 21. Upon the end of block 21, opposite to that upon which the disk plow 24 is journaled, there is formed a lug 27 to which there is pivotally connected a link 28, said link being connected to the arm 25 at its free end by a pin 31. As is obvious, the link 28 may be adjustably connected to the enlarged portion 26 of the arm 25 whereby to tilt the disk plow 24 upwardly or downwardly.

The spindle 18 is free for turning movement and the upper end portion 32 of said spindle is threaded. Upon this threaded portion there is positioned a bushing or sleeve 33, said sleeve having its interior periphery provided with threads adapted to operatively engage with the threaded portion 32 of the spindle 18', and also this sleeve is provided at its lower end with a flange 34 adapted to limit the upward movement thereof. A hand wheel 35 is secured to the upper end of the sleeve 33 and as is obvious this hand wheel may be utilized for raising and lowering the plow 24.

The spindle 18 extends above the hand wheel 35 and terminates at its upper end in a squared portion 36. A hand lever 37 is provided, having its one end formed with an enlargement 38 which is in turn provided with an opening adapted to receive the squared portion 36 of the spindle 18. An arcuate shaped rack member 39 is provided, said member having its ends secured to the side frame member 11 which supports the plow 24, as illustrated to advantage in Figure 1, and the lever 37 is freely movable upon the rack member 39. Also the lever 37 carries a spring pressed pawl 40 which is adapted to engage with the teeth of the rack member 39 and thereby permit the spindle 18 to be adjustably held.

In the use of the present invention, it is entirely apparent that the plow 24 may be raised and lowered in an adjustable manner and easily set in the position desired. Also, by manipulating the locking member 28 and
pin 31 the disk plow 24 may be turned to
the angle desired.

It is believed from the foregoing that the
many advantages arising from the present
invention are clearly apparent. The plow
24 can be easily and quickly adjusted to
meet any conditions required.

What I claim is:

1. In combination, a running gear, a spin-
dle rotatably carried by said running gear
and arranged in vertical relation thereto, a
casting carried upon the lower end of said
spindle, a block supported within said cast-
ing and adapted for tilting movement, and
a disk plow rotatably supported by said
block.

2. In combination, a running gear, a spin-
dle rotatably carried by said running gear
and arranged in vertical relation thereto,
a casting carried upon the lower end of said
spindle, a block supported within said cast-
ing and adapted for tilting movement, a
disk plow rotatably supported by said
block, and means for adjustably rotating
said spindle.

3. In combination, a running gear, a spin-
dle rotatably carried by said running gear
and arranged in vertical relation thereto, a
casting carried upon the lower end of said
spindle, a block supported within said cast-
ing and adapted for tilting movement, a
disk plow rotatably supported by said block,
and means for adjustably raising or lower-
ing said spindle, said means being operable
from the running gear.

4. In combination, a running gear, a spin-
dle carried thereby, a supporting member
connected to the spindle, a block tiltably
mounted upon said supporting member, a
disk plow carried by the block and means
for holding the block in adjusted position.

5. In combination, a running gear, a spin-
dle rotatably carried by said running gear
and arranged in vertical relation thereto, a
U-shaped casting having its bridge portion
secured to the lower end of said spindle, a
block pivotally supported between the leg
portions of said U-shaped casting and adapt-
ed to be tilted upon its pivotal support, a
disk plow rotatably supported at the one
end of said block, and means for holding
the block in its adjusted position.

6. In combination, a running gear, a spin-
dle rotatably carried by said running gear
and arranged in vertical relation thereto, a
U-shaped casting having its bridge portion
secured to the lower end of said spindle, a
block pivotally supported between the leg
portions of said U-shaped casting and adapt-
ed to be tilted upon its pivotal support, a
disk plow rotatably supported at the one
end of said block, and adjustable means for
tilting said block.

MOYNE LECLERQUE KELLY.