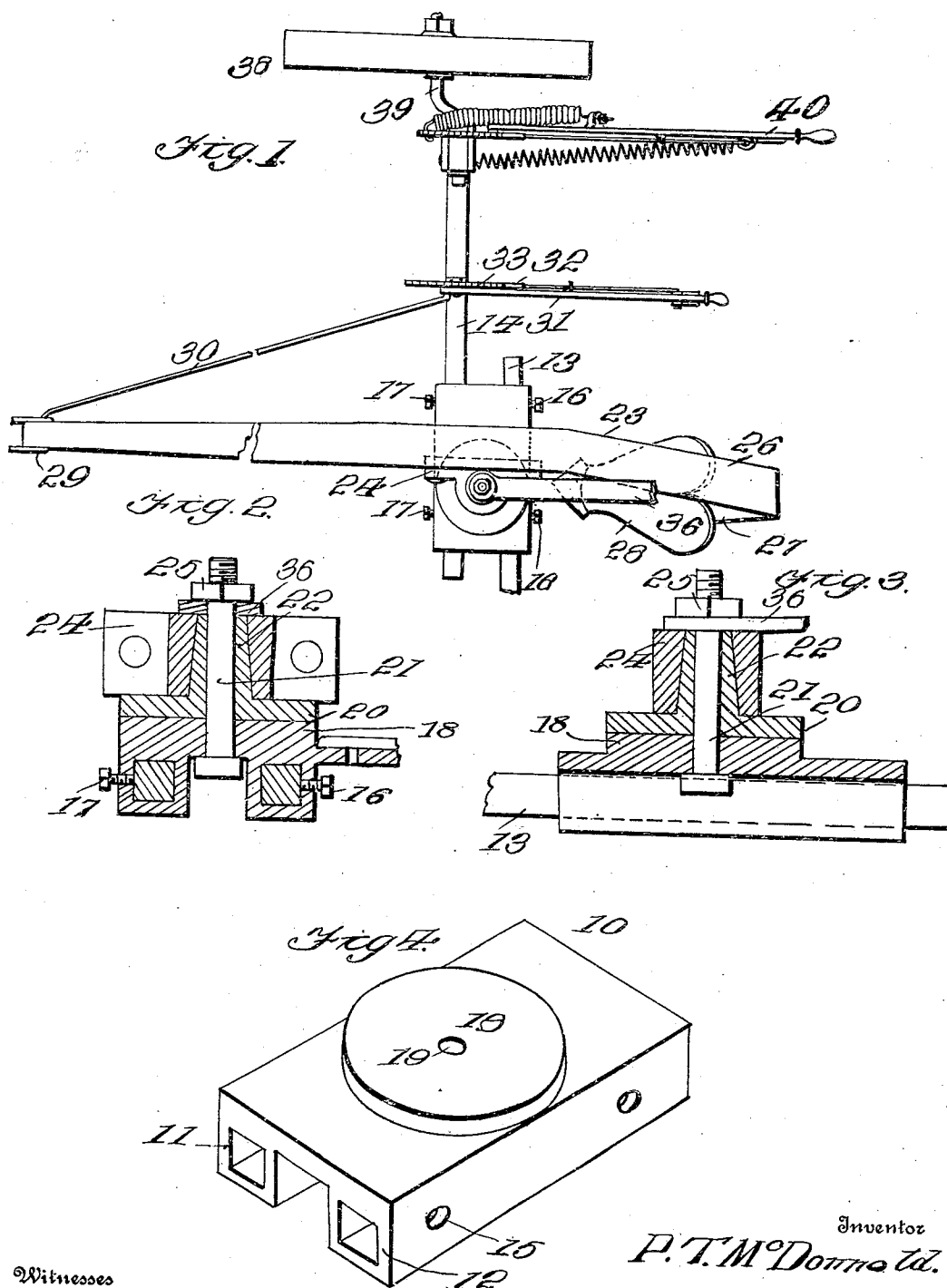


P. T. McDONNOLD.
 PLOW FRAME.
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959,871.

Patented May 31, 1910.



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PLow-FRAME.

959,871.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, PLEASANT T. McDONNOLD, citizen of the United States, residing at Terrell, in the county of Kaufman and State of Texas, have invented certain new and useful Improvements in Plow-Frames, of which the following is a specification.

This invention relates to plows, and has particular reference to a novel formation of frame for supporting and adjusting a plow.

An object of this invention is to construct a plow frame the walls of which may be distanced apart in order to accommodate the plow to rows of various widths and also to enable the adjusting of a plow point relative to such rows.

The invention has for another object the provision of a novel means whereby the walls are adjustably extended from the opposite sides of the plow beam and whereby the same are retained rigidly in such adjusted position.

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

Figure 1 is a top plan view of one side of a plow frame having the improved construction applied thereto; Fig. 2 is a transverse section through the head which supports the axle sections; Fig. 3 is a longitudinal section through the head, disclosing the plow wheel support attached thereto; Fig. 4 is a perspective view of the head looking down upon the same from one rear corner thereof.

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

Referring to the drawings, the numeral 10 designates a block which is of rectangular formation and which is provided at its opposite longitudinal edges with depending sockets 11 and 12 which are formed integral with the block 10 and provided with longitudinal rectangular channels for the reception of the inner ends of the axle sections 13 and 14. The axle sections 13 and 14 are formed rectangular in cross section and are of such dimensions as to engage snugly through the sockets 11 and 12. Through the outer walls of the sockets 11 and 12 threaded apertures 15 are formed in which

are engaged set screws 16 and 17 which respectively engage through the sockets 11 and 12 and are impinged at their inner ends against the face of the axle sections 13 and 14.

The block 10 is provided upon its upper face with a boss 18 raised considerably above the same, and of circular formation, the same being formed about a central aperture 19 formed through the block 10.

Disposed upon the boss 18 is a disk 20 which is retained thereon through the medium of a bolt 21 having its head engaged against the under face of the block 10 the bolt 21 being extended upwardly through the block 10, the boss 18 and the disk 20, where it is provided with a sleeve 22 which is integrally formed with the disk 20 and tapered upwardly therefrom.

The plow beam which is mounted on the device is formed with an I beam which carries in one face thereof a clamping plate 24 which is riveted or otherwise secured to the beam 23 and which is enlarged transversely centrally thereof and provided with an aperture which tapers toward its upper end to conform to the sleeve 22 over which the clamping plate 24 is engaged and adapted to rotate. The sleeve 22 is formed of such length as to lie flush with the upper end of the clamping plate 24 when the same is positioned about the sleeve 22 for the purpose of permitting of the engagement of the clamping nut 25 upon the upper faces of the sleeve 22 and clamping plate 24.

The beam 23 is of the usual formation with the exception that the rear end of the same is off-set centrally of the head as at 26, in order to dispose the depending standard 27 in alinement with the center of the device. The standard 27 is provided with a plow 28 of any adaptable formation. The forward end of the beam 23 is provided with a clevis 29, from which is rearwardly extended a brace 30 at one side of the implement which terminates at its rear end intermediately upon the axle section 14 and which is pivotally connected to the hand lever 31 at a point thereof distanced above the pivotal end of the lever 31 in order to swing the beam 23 into various angles with respect to the head of the implement. The hand lever 31 is provided in the usual manner with a pawl 32 and a suitable operating device connected with the same for interlocking engagement with a segment 33 rigidly mount-

ed upon the axle section 14 for the purpose of locking the brace 30 in adjusted position. The block 10 is provided with a seat post 36 which is extended backwardly therefrom and which is mounted upon the bolt 21, the
5 seat post 36 being retained thereby upon the upper end of the sleeve 22.

Each of the axle sections 13 and 14 is provided in the usual manner, with a wheel 38
10 mounted upon a crank axle 39 pivotally secured in the end of the axle section, and connected to a lever 40 which extends upwardly therefrom for engagement with the hand of the operator for the purpose of swinging the
15 beam 38 forwardly and rearwardly to adjust the plow frame into various angles as is required.

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

20 1. In a plow frame the combination with a plow beam, of a block pivotally connected

to said beam for supporting the same and having angular channels formed in the opposite sides of said block, and independent axle sections of corresponding angular cross-
25 section adjustably disposed in the channels and oppositely extended therefrom.

2. A plow frame including a beam, a block pivotally mounted upon said beam to support the same, channel members formed
30 at the opposite sides of said block, independent axle sections adjustably disposed through said channel members to admit of the independent adjustment of said sections, and wheels adjustably mounted upon the
35 outer ends of said sections.

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

PLEASANT T. McDONNOLD. [L. S.]

Witnesses:

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