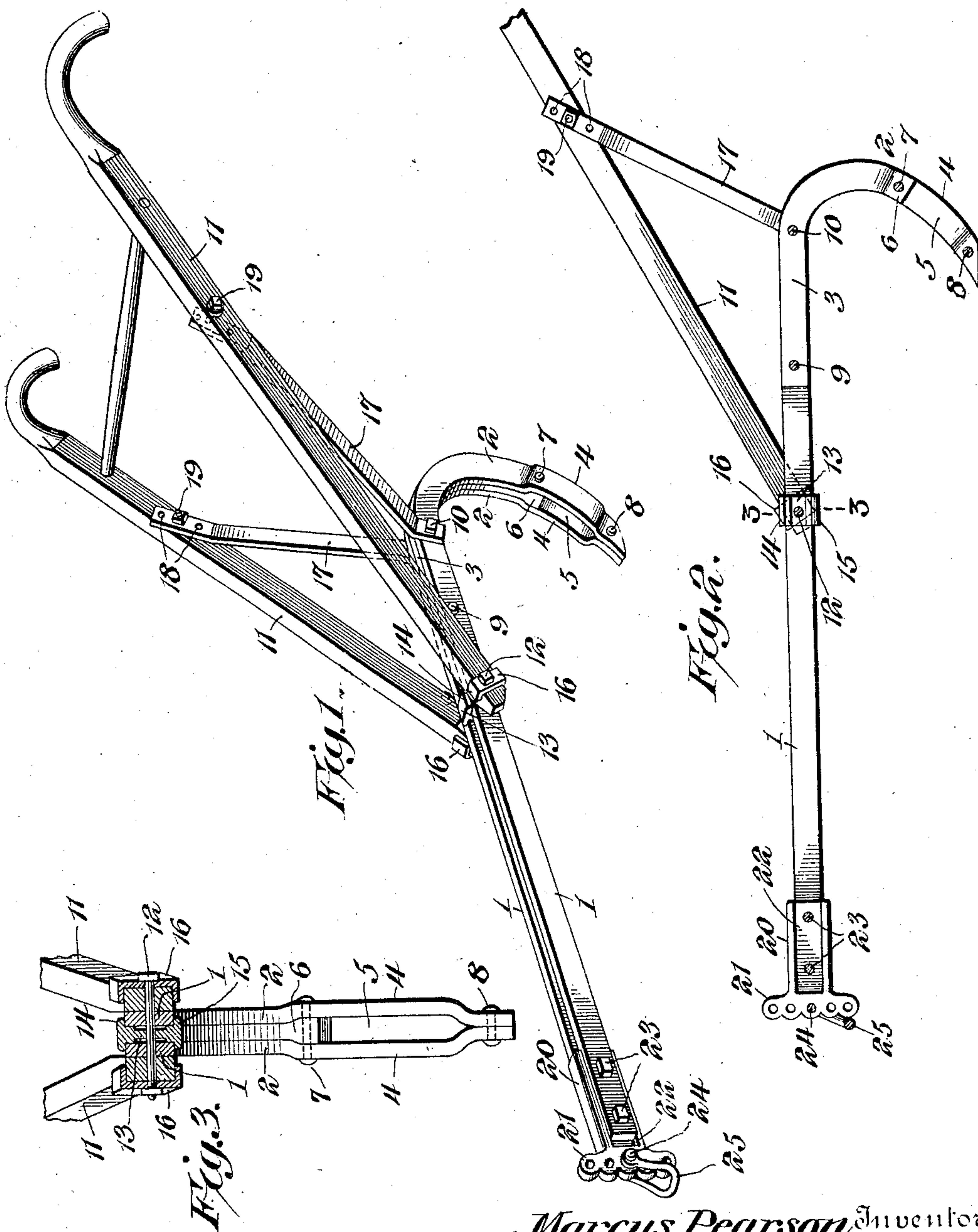


No. 840,364.

PATENTED JAN. 1, 1907.

M. PEARSON.  
PLOW.

APPLICATION FILED JUNE 15, 1906.



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# UNITED STATES PATENT OFFICE.

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## PLOW.

No. 840,364.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed June 15, 1906. Serial No. 321,841.

*To all whom it may concern:*

Be it known that I, MARCUS PEARSON, a citizen of the United States, residing at Springville, in the county of St. Clair and State of Alabama, have invented a new and useful Plow, of which the following is a specification.

The invention relates to improvements in plows.

The object of the present invention is to improve the construction of plows and to provide a simple and comparatively inexpensive one of great strength and durability, adapted to be easily manufactured, and capable of ready adjustment to arrange the plow-handles at the desired elevation.

A further object of the invention is to provide a plow of this character which will take the ground better and which will not choke up as rapidly as the ordinary plow.

With these and other objects in view the invention consists in the construction and novel combination of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a plow constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view taken substantially on the line 3 3 of Fig. 2.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

The plow-beam is composed of two spaced bars or members 1 of wrought-iron or other suitable material, having downwardly-curved rear portions 2, which form a standard and which are adapted to receive a cultivating device of any preferred form. The plow-beam is reinforced at its rear portion by an intermediate bar or member 3, which is interposed between the sides or members 1 and which is curved to conform to the configuration of the downwardly-curved portions of the said bars or members 1. The downwardly-curved portions which constitute the plow-standard are bent downwardly and are laterally offset near their lower ends at 4 to

provide a longitudinal slot or opening 5 for the reception of a bolt or other fastening device for securing the cultivating device to the standard. The lower end 6 of the interposed reinforcing bar or member is enlarged and fits within the upper end of the space between the laterally-offset portions of the sides of the standards. The enlarged end 6 of the interposed bar or member is arranged at the upper end of the slot or opening 5, and the sides of the standards are secured together by means of bolts 7 and 8, located at the upper and lower ends of the laterally-offset portions 4, and the lower terminals of the sides of the standards are fitted together and beveled, as clearly shown in Figs. 1 and 2 of the drawings. The upper or front portion of the intermediate reinforcing bar or member is secured to the sides of the plow-beam by means of bolts 9 and 10 or other suitable fastening devices, which pierce the sides 1 and the bar or member 3. The bar or member 3 and the sides 1 form a solid rear portion, so that there is no liability of the sides or members 1 bending rearwardly at the downwardly-curved portions. Also the intermediate reinforcing bar or member by filling the space between the sides or members 1 lessens the liability of the plow becoming choked by rubbish or other accumulation.

The plow is provided with inclined handle-bars 11, having terminal grip or handle portions and pivoted at their lower front ends to opposite sides of the plow-beam at a point in advance of the reinforcing bar or member 3 by a transverse bolt 12, which pierces each of the handle-bars and the plow-beam. The sides of the plow-beam are spaced at the point of attachment of the handle-bars by means of a substantially I-shaped block or piece 13, consisting of a central web or body portion, and upper and lower laterally-extending horizontal flanges 14 and 15, which fit against the upper and lower edge of the sides or members of the plow-beam. The laterally-extending flanges 14 and 15 form intervening spaces or recesses to receive the sides or members of the plow-beam, as clearly shown in Fig. 3 of the drawings, and the said block or piece is secured in position by means of a bolt 12, which pierces the said web or body portion. The handle-bars are prevented from splitting at their points of attachment to the plow-beam by means of substantially U-shaped plates or clips 16, which



embrace the outer faces and the upper and lower edges of the handle-bars and which are secured to the same by the transverse bolt 12.

The handle-bars are adapted to be swung  
5 upwardly or downwardly on the pivot 12 to arrange them at the desired elevation, and they are secured in their adjustment by means of inclined upwardly-diverging braces 71, which are extended upwardly and rearwardly  
10 from the rear portion of the plow-beam. The lower ends of the braces 17 are bent at an angle and are secured to the outer faces of the sides or members 1 by means of the transverse bolt 10. The upper ends of the braces  
15 17 are also bent at an angle to fit the inner faces of the handle-bars, and they are provided with a plurality of perforations 18 for the reception of bolts 19 or other suitable fastening devices for adjustably securing the  
20 handle-bars to the braces.

The front ends of the sides or members 1 of the plow-beam are secured to a rearwardly-extending shank 20 of a head 21, which projects upwardly and downwardly from the  
25 plow-beam. The rearwardly-extending shank or portion 20 is provided at opposite sides with longitudinal grooves or recesses 22, and the latter receive the front terminals of the said sides or members 1 and form upper  
30 and lower shoulders for engaging the upper and lower edges of the sides or members of the plow-beam. The front ends of the sides or members are secured in the recesses of the shank 20 by means of bolts 23 or other suitable fastening device, which pierce the sides  
35 or members 1 and the intermediate or web portion of the shank. The head is provided with a vertical series of perforations 22 for the reception of a bolt 24 or other suitable  
40 fastening device for adjustably securing a clevis 25 to the head.

It will be seen that the plow is exceedingly simple and inexpensive in construction and that it possesses great strength and dura-  
45 bility and that the plow-beam may be easily constructed of ordinary wrought-iron bars. Also it will be clear that the wrought-iron bars or members are rigidly supported at their downwardly-curved portions and that  
50 there is no liability of the plow-beam bending at the upper portion of the standard.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a plow, the combination of a beam 55 composed of spaced bars or members, a block or piece interposed between the bars or members at a point between the ends thereof and provided with recesses receiving the same and forming shoulders for engaging the up- 60 per and lower edges thereof, handle-bars fitted against the outer faces of the bars or members of the plow-beam at opposite sides of the said block or piece, and a fastening device piercing the handle-bars, the bars or mem- 65 bers and the said block or piece.

2. In a plow, the combination of a plow-beam composed of two spaced bars or mem- 65 bers, a substantially I-shaped block or piece interposed between the sides or members of 70 the plow-beam and having upper and lower flanges for engaging the upper and lower edges of the said bars or members, handle-bars fitted against the outer faces of the bars or mem- 75 bers of the plow-beam, clips embracing the handle-bars, a fastening device piercing the clips, the handle-bars, the plow-beam and the block or piece and forming a pivot for the said handle-bars, and braces adjustably sup- 80 porting the handle-bars.

3. In a plow, the combination of a plow-beam composed of two sides or members hav- 80 ing downwardly-curved portions forming a standard, the said downwardly-curved por- 85 tions being laterally offset near the lower end of the standard and having their terminals fitted together and beveled, and an intermediate reinforcing-bar interposed between the sides or members of the plow and curved 90 to conform to the standard and having a lower enlarged end fitted between the laterally-offset portions at the upper ends thereof, the said laterally-offset portions forming a slot or opening.

In testimony that I claim the foregoing as 95 my own I have hereto affixed my signature in the presence of two witnesses.

MARCUS PEARSON.

Witnesses:

G. B. FORMAN,  
A. B. FOWLER.