

(No Model.)

S. H. WALTON.  
PLOW.

No. 421,336.

Patented Feb. 11, 1890.

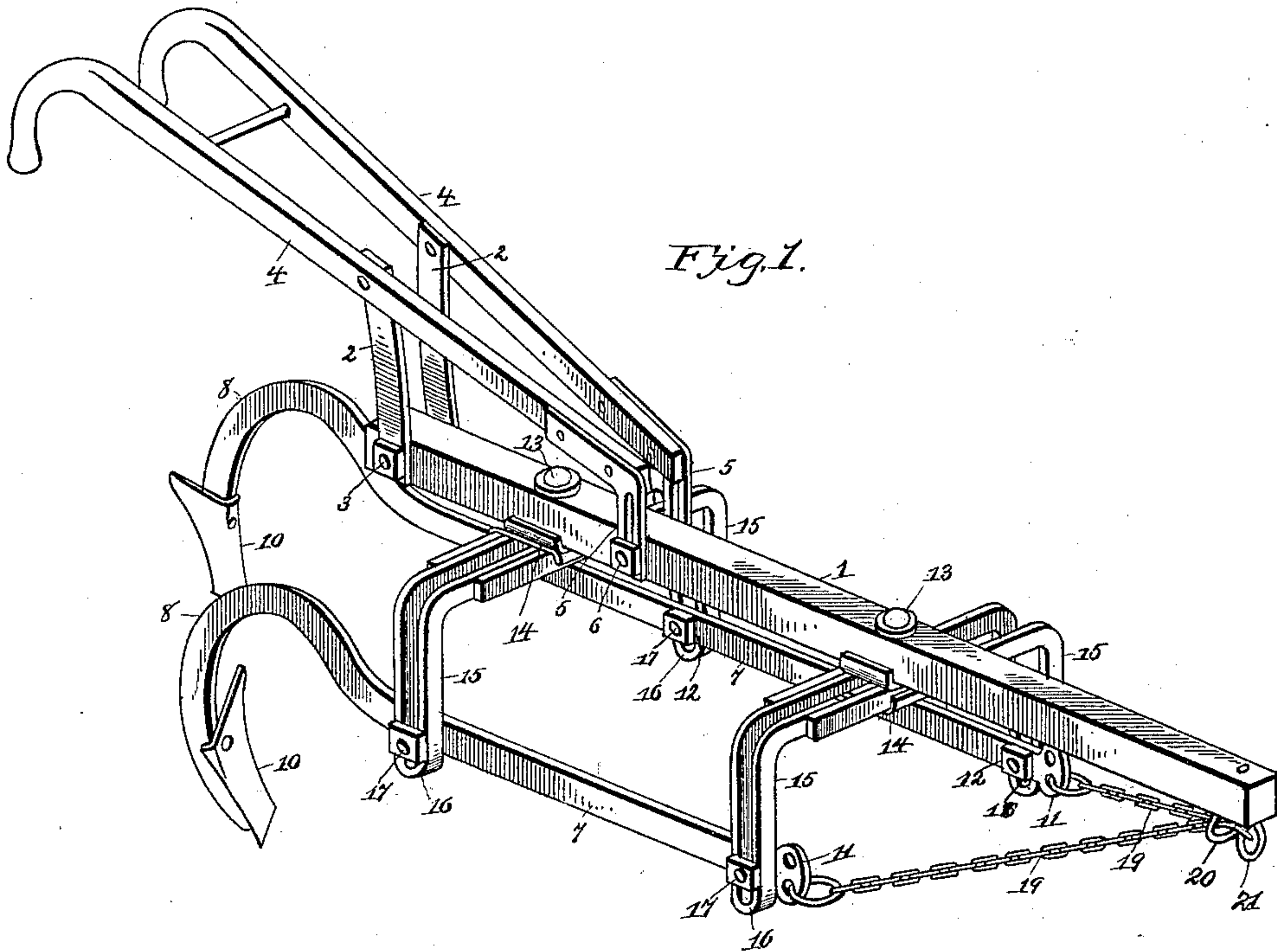


Fig. 2.

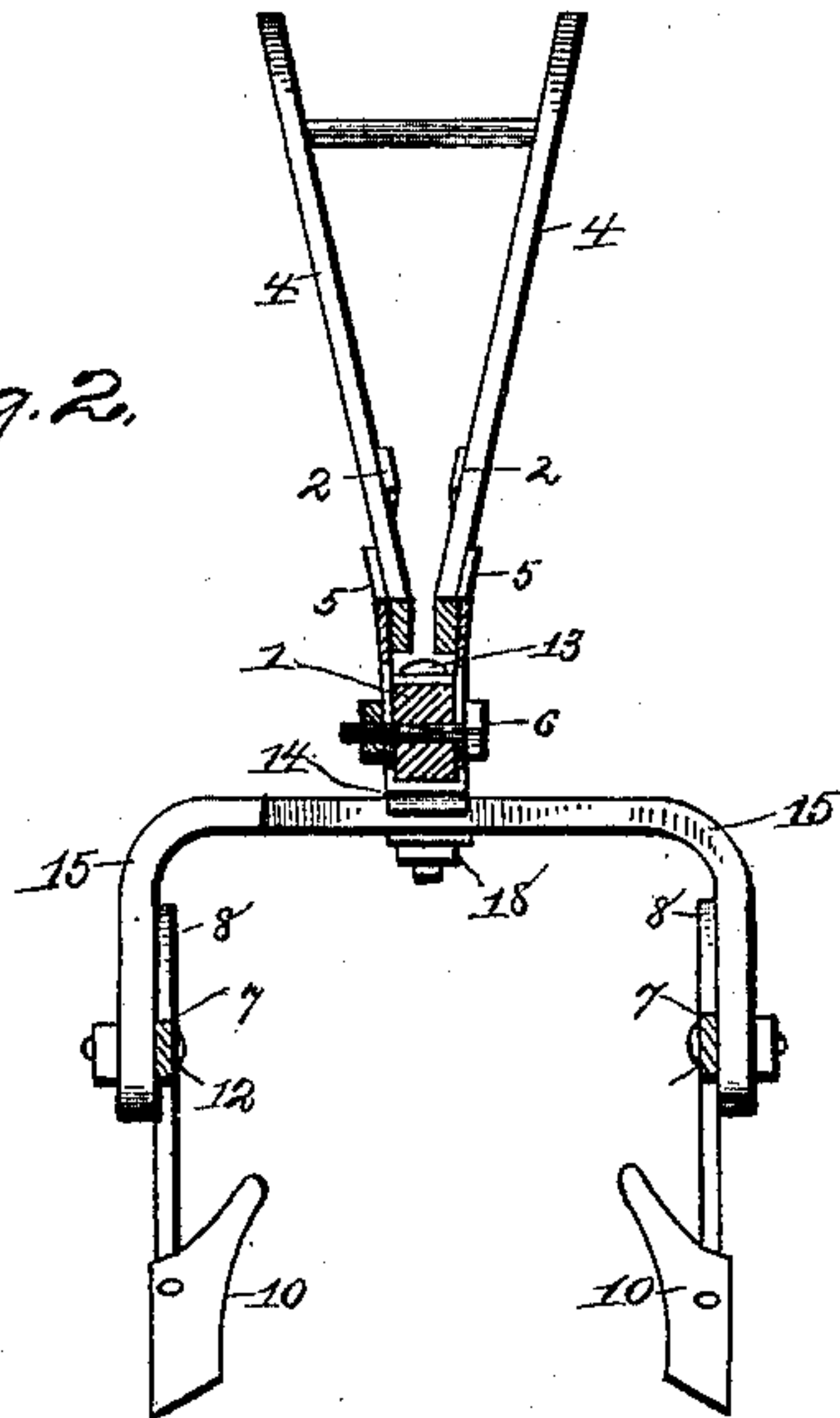
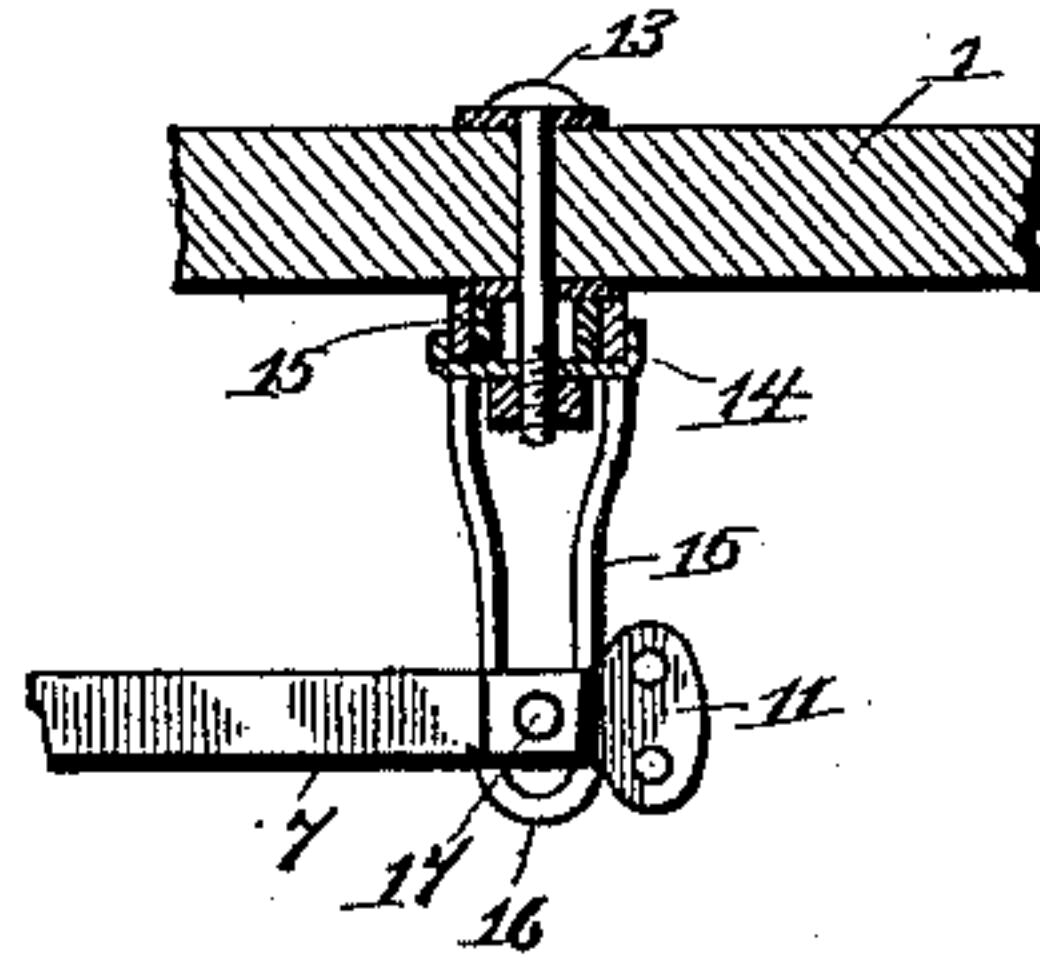


Fig. 3.



Inventor

Witnesses:

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# UNITED STATES PATENT OFFICE.

SAM HOUSTON WALTON, OF BELTON, TEXAS.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 421,336, dated February 11, 1890.

Application filed October 19, 1889. Serial No. 327,550. (No model.)

*To all whom it may concern:*

Be it known that I, SAM HOUSTON WALTON, a citizen of the United States, residing at Belton, in the county of Bell and State of Texas, have invented a new and useful Plow, of which the following is a specification.

This invention has relation to plows of that class known as "twin plows;" and among the objects in view are to provide a cheap simple construction and for an adjustability of the plows with relation to each other and to the beam to adapt them for furrows of varying distances apart and to the accommodation of the operator.

With these general objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a twin plow constructed in accordance with my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a partial longitudinal section.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the plow-beam, from the rear end of which extend straps 2, pivotally connected to the beam by a bolt 3, and at their upper ends to the opposite plow-handles 4. From the forward ends of the handles there project downwardly-slotted adjusting-plates 5, one of which takes at each side of the beam 1, said plates receiving an adjusting-bolt 6, passed through the beam. By this construction it is apparent that the handles may be tilted to assume different relative positions with the beam and to accommodate themselves to the height and convenience of the operator.

7 represents the opposite plow-beams, each of which terminates in the curved neck or standard 8 and is provided at its lower end with a shovel 10 and at its front end with the clevis 11. One of the beams 7 is longer than the other, and each of said beams is provided with openings or perforations 12, one occurring in rear of its clevis and the other at about the juncture of the curved neck or standard with the beam, which in this instance is formed integral therewith. 13 represent bolts, in this instance two in number and inserted through

the beam 1, one near its center and the other near its rear end, and terminating below the beam in flanged plates 14. The bolts 13 are each embraced by a pair of oppositely-disposed L-shaped hangers 15, said hangers being bifurcated or formed of rods bent upon themselves and terminating at their lower ends in bearings 16, through which are inserted binding-bolts 17, passing through the openings in the plow-beams. Each of the bolts 12 is provided with an adjusting-nut 18, by which the L-shaped hangers may be widened or narrowed and maintained in the desired relative positions. In this manner it is apparent that the plows may be spread to accommodate themselves to furrows of varying distances apart.

19 represents a draft-chain doubled upon itself and inserted through a loop 20 and provided with a draft-hook 21 beyond the loop at the end of the beam 1, the ends of the chain being connected with the clevises in which the plow-beams terminate, and in this manner all the draft comes directly upon the plow-beams and not upon the main or central beam 1, and consequently the strain upon the connecting parts is obviated.

By reason of the elongated bearings 16, through which are inserted the binding-bolts 17, it is apparent that the plows may be raised and lowered, so as to plow as well on a hill-side as on a level, and also that when using the plow as a cultivator the beam and L-shaped supports may be raised high enough to clear the plant.

Having thus described my invention, I claim—

1. The combination, with the beam 1 and the opposite L-shaped supports, each formed of a single piece doubled upon itself, and set-bolts passing through the beam and provided with supporting-plates for the reception of the supports, of the opposite side beams mounted in the supports by means of bolts passing through the spaces between the leaves of the doubled pieces, substantially as specified.

2. The combination, with the beam 1 and opposite depending bolts, supporting-plates mounted on the bolts, and L-shaped slotted hangers mounted on the plates and adjustable

laterally, of opposite side beams mounted in the depending ends of said hangers, substantially as specified.

3. The combination, with the beam 1, and  
5 two or more depending bolts 13, and two or more series of opposite flanged supporting-plates 14, mounted on the bolts, of two or more pairs of bifurcated L-shaped opposite hangers mounted in the plates and held rigid  
10 by the latter, and side beams, and bolts pass-

ing through the side beams and supports and making the side beams adjustable, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 15 presence of two witnesses.

SAM HOUSTON WALTON.

Witnesses:

W. T. BENLOW,  
D. SAVAGE.