

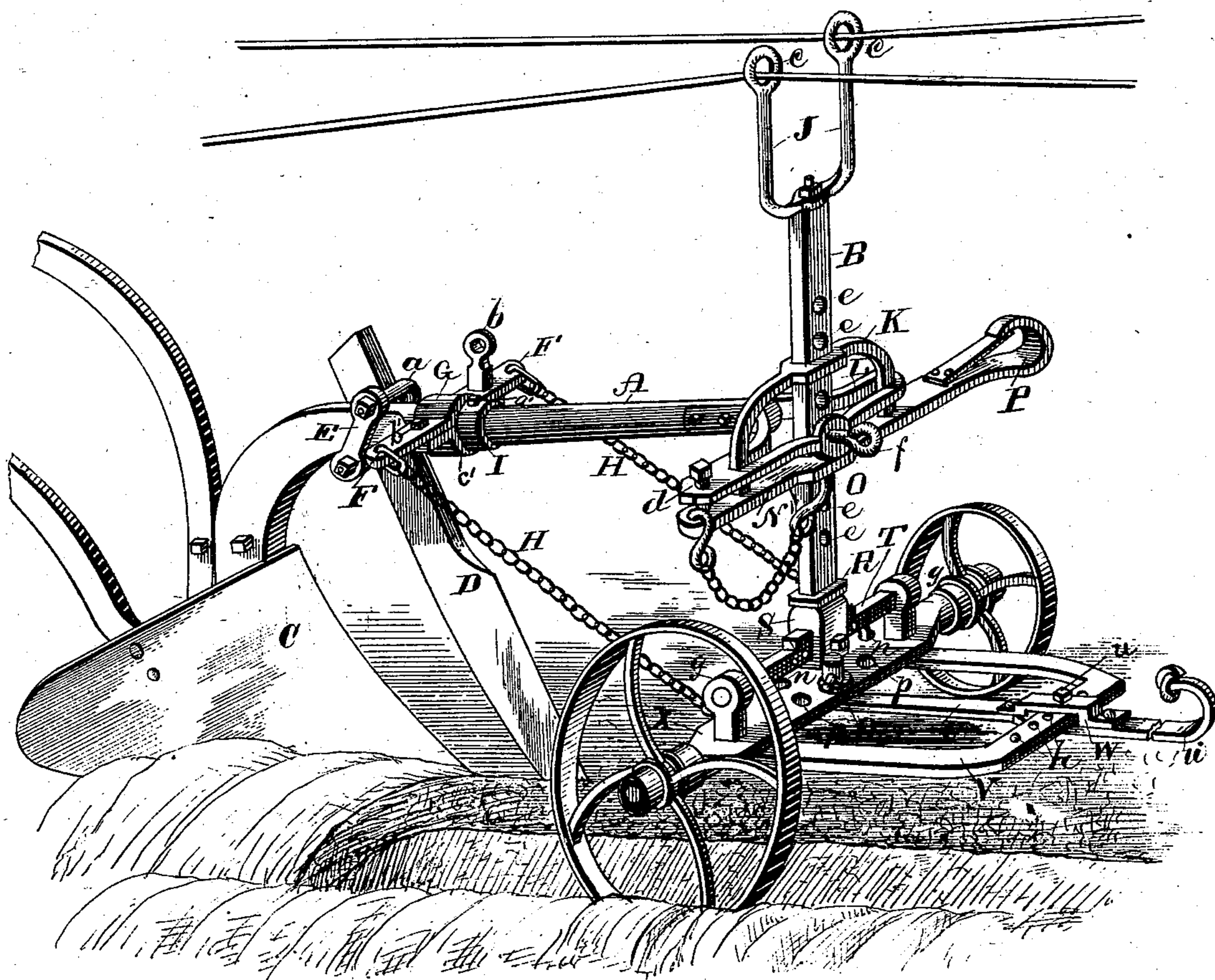
(No Model.)

F. FENSKE.

PLOW.

No. 255,155.

Patented Mar. 21, 1882.



Witnesses:

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FERDENAND FENSKE, OF MILWAUKEE, WISCONSIN.

PLOW.

SPECIFICATION forming part of Letters Patent No. 255,155, dated March 21, 1882.

Application filed November 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, FERDENAND FENSKE, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to improvements in plows, and will be fully described hereinafter.

The drawing is a perspective view of my device.

A is the beam of my improved plow, which at its rear is rectangular in cross-section, and is curved down to receive the mold-board C. The horizontal portion of the beam is round, and carries a sleeve, I, adapted to be adjusted along its length, and secured by a set-screw, *a'*. Upon this sleeve I clamp, by means of screw-bolts *b b'* and plate *c'*, a yoke, F, connected at each end with the front axle by chains H H. The screw-bolt *b* of the clamp extends up above yoke F high enough to afford a hand-hold, by which it may be turned to loosen or tighten the clamp when the yoke is to be adjusted.

To the front end of the beam I secure a head, L, that consists of a strip of wrought-iron, preferably, so bent that one of its ends can be secured to each side of the beam, clamping the end of the beam between them, and there will remain a recess for a yoke, K, to project up into. The ends of this yoke extend down into a cross-piece, N, that has a central aperture, up through which the standard B extends, and standard B is perforated at *e* to receive an open link, O, by which the cross-piece N is held in its adjustments on the standard B. The lower end of the standard B is enlarged and squared out to receive a rocking bar, T, that has its bearings in uprights *g g*, a wedge, *s*, and set-screw serving to secure it in its adjustments.

The cross-piece N may have a clasp hook, P, on one of its ends in which to hang a wrench and hammer, or any other tools that might be of service in adjusting or repairing the machine.

The axle X is entirely of metal, and between its journals is flat and is perforated, as at *n* and *p*. Extending out from the axle is a hound or frame, V, of flat metal, and a draw-bar, U, pivoted to the axle X by a bolt, Q, is loosely

clamped to the front of the hound or frame by a plate, W, so that it may travel freely on it.

Perforations *h* in the front of the frame are designed to receive bolts *u*, that, passing through the plate W and draw-bar, hold the latter at any desired angle with relation to the plow-beam. Rein-holders J, through the eyes *c c* of which the reins pass, serve to keep them from falling onto the plow.

I may use either a wheel or knife colter, D, with my plow, and in either case I propose to clamp its shank to the rectangular portion of the beam by a link, *a*, plate E, and screw-nuts.

The head L has a projection on one end, in which is a threaded perforation to receive an adjusting-screw, *d*, that is stepped upon that end of the cross-piece N, and the front of the head L has an enlargement to receive a bolt, *f*, that, passing through one of the perforations, *e*, in standard B, forms a fulcrum for the head L, so that it may be tipped by forcing the screw-bolt *d* in upon the cross-piece N. When the height of the cross-piece N is to be increased or decreased but half the distance between the perforations *e*, I remove link O and raise ring R up against bar N, and then after adjusting it insert link O.

Operation: My plow is sufficiently adjustable to meet all of the exigencies encountered by the husbandman. To adjust the depth of the colter D it has but to be swung forward until the plate E of link *a* is at right angles to the plow-beam. The shank of the colter may then be easily slid up and down in link *a*; but as soon as the point is dropped its weight will cause it to bind by throwing the lower arm of the link *a* against the under side of the beam A and its top arm against the upper side of the beam.

The depth of the cut of the plow may be regulated by advancing the yoke F on the beam and shortening the chains H, or by raising the head L and cross-piece N, and the width of the furrow may be changed by turning the screw-bolt *d*, by adjusting the standard B on rock-bar T, or by adjusting the draft-bar N on the axle X and frame or hound V; or any two or more of these may be adjusted together, according to the amount of variation desired.

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

1. The yoke F and sleeve I, in combination

with the draft-chains H H, and the axle X, provided with the perforations *n*, the said chains being rigidly attached at one end in perforations in the outer ends of the yoke F, and adjustably attached at their other ends in any two of the perforations *n*, as desired.

2. The beam A, having open head L, in combination with cross-piece N, having yoke K, the standard B, having perforations *e e*, and a supporting device adapted to enter the perforations.

3. The head L, having an open horizontal extension in which is a threaded opening, in combination with cross-piece N, screw-bolt *d*, and standard B, as set forth.

4. The axle X, having uprights *g g*, perforated to receive the rock-bar T, in combination with standard B, adjustably secured thereon by means of square slot in lower end of said standard, and the wedge *s* and set-screw, as described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of November, 1881.

FERDENAND FENSKE.

Witnesses:

S. S. STOUT,

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