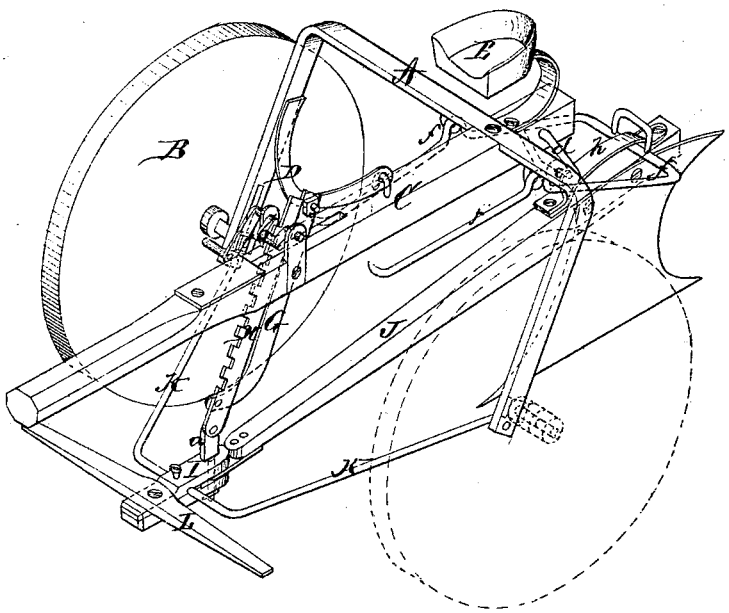
A. H. Allison,

Wheel Plow.

No. 111,799

Patented Feb. 14, 1871.



Witnesses
Jas. A. Ellis.
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UNITED STATES PATENT OFFICE.

ASA H. ALLISON, OF CHARLOTTESVILLE, INDIANA.

IMPROVEMENT IN SULKY ATTACHMENTS FOR BREAKING-PLOWS.

Specification forming part of Letters Patent No. **111,799**, dated February 14, 1871.

To all whom it may concern:

Be it known that I, ASA H. ALLISON, of Charlottesville, in the county of Hancock and State of Indiana, have invented certain new and useful Improvements in Sulky Attachments for Breaking-Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a sulky-plow, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a perspective view of my plow.

A represents the axle, the ends of which are bent downward at right angles, and having at their extremities spindles, upon which the wheels B B revolve. One of these spindles is movable up and down in a slot in the axle, so that one of the wheels may run in the furrow already made and the other on the unplowed ground. In the center of the axle is secured the tongue C, and the driver's seat E is supported on its rear end. On the tongue C is pivoted or hinged a lever, D, to which is pivoted a bar, G. This bar passes down through a mortise in the tongue, and its lower end is pivoted to or near the lower end of a rack-bar, H, which passes through the same mortise in the tongue directly in front of the bar G, its lower end being pivoted to a pin, *a*, inserted in a wooden clevis, I, in front of the plow-beam J. On the tongue C, in front of the rack-bar H, is a crank, *b*, for the purpose of holding the front end of the plow-beam at any height it may have been adjusted by the lever D by said crank engaging with the rack-bar. Through the clevis I passes a brace, K, the ends of which are hooked and inserted in the ends of the axle A below the wheel-spindles. On the front end of the clevis the double-tree L is pivoted, and thus it will be seen that the draft is brought directly on a line with the center of the wheels, and that the ends of the axle will have an inclination forward. At the rear end of the tongue C is a clevis, *d*, to catch on a hook, *e*, on the upper side of the plow-beam J, to support the plow while moving to or from the field, or from one field to another. On the under side of the axle A is hung or pivoted a bail, *f*, the ends of which extend forward, one on each side of the seat E, while the center passes under a metal strap, *h*, attached to the plow-beam.

The driver, applying his feet on the ends of the bail *f*, is enabled to raise the plow out of the ground.

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

The beam J, in combination with the rear lifting device, F, *d*, *h*, and *f*, clevis I, rack H, clamp *b*, and lever D, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

A. H. ALLISON.

Witnesses:
J. H. MILLER,
WILLIAM OLDHAM.