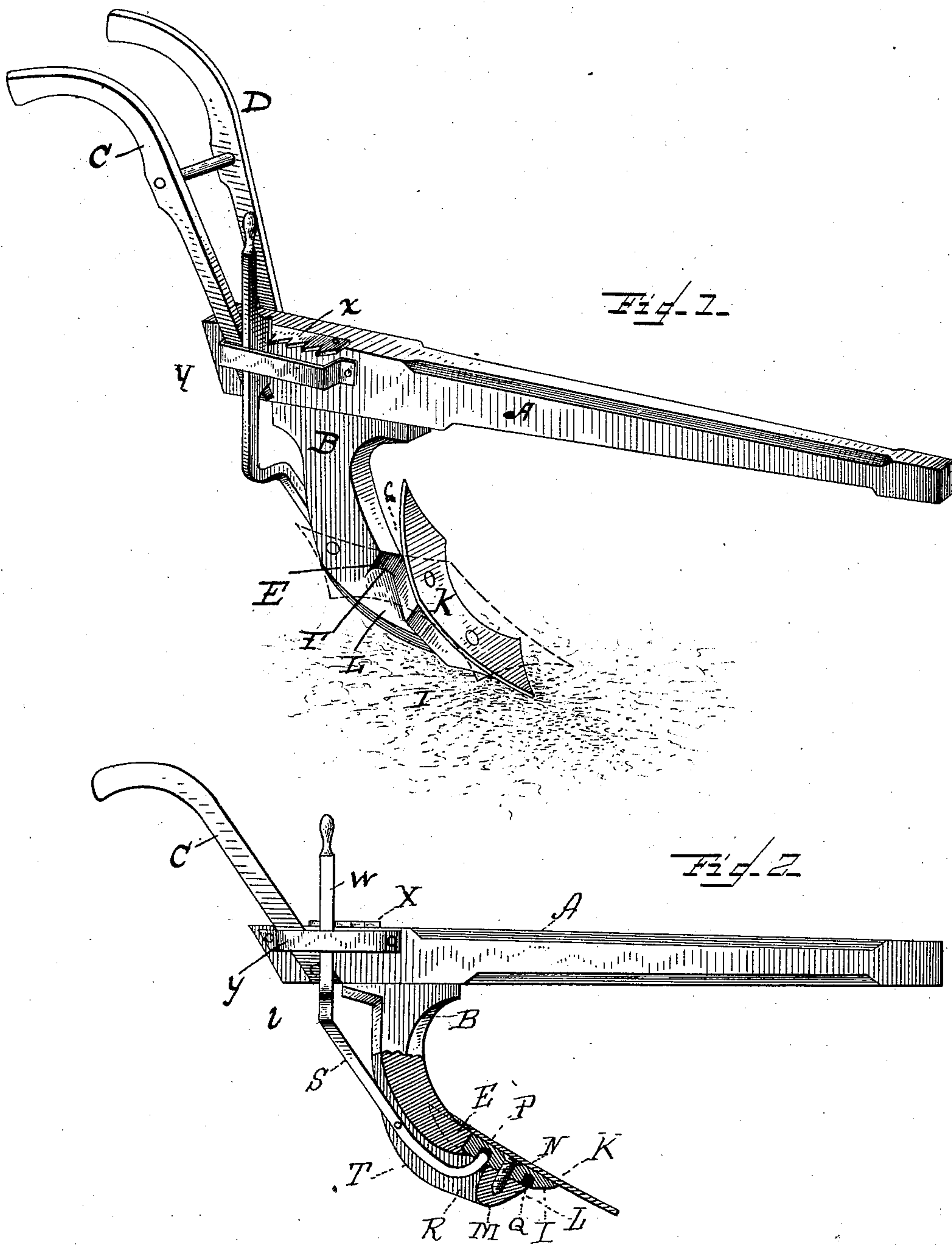


(No Model.)

R. A. CORN.
HILLSIDE PLOW.

No. 381,909.

Patented May 1, 1888.



WITNESSES -

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ROBERT ARRETUS CORN, OF HALE WOOD, NORTH CAROLINA.

HILLSIDE-PLOW.

SPECIFICATION forming part of Letters Patent No. 381,909, dated May 1, 1888.

Application filed November 26, 1887. Serial No. 256,230. (No model.)

To all whom it may concern:

Be it known that I, ROBERT ARRETUS CORN, a citizen of the United States, residing at Hale Wood, in the county of Madison and State of North Carolina, have invented certain new and useful Improvements in Hillside-Plows; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to side-hill plows; and it consists in the construction and novel combination of parts, as hereinafter set forth.

In the drawings, Figure 1 is a view in perspective of a side-hill plow embodying improvements of my invention; and Fig. 2 is a side elevation of the same, showing the lower portion of the plow-standard and the double-pointed plow-point in section.

Referring by letter to the accompanying drawings, A designates the plow-beam; B, the plow-standard, and C D the plow-handles, which are secured to the plow-beam near the rear end of the latter in any of the well-known ways commonly practiced.

The plow-standard B is preferably curved downwardly and forwardly, and is rabbeted or cut away in its front face near its lower end, and is slightly enlarged laterally below the double-beveled shoulder E, the bevels or inclines F G of the shoulder E being made downwardly and inwardly from the side faces of the plow-standard toward each other immediately above the laterally-enlarged seat portion of the standard.

I designates a casting or toe-plate, which is made concave longitudinally in its front face and tapers both ways from its center.

The double-pointed plow-point K is made concave centrally, and its ends project beyond the ends of the casting or toe-plate I, to which it is secured by rivet-bolts in the usual manner of securing plow-points in place. The toe-plate I is pivoted to the face of the rabbeted portion L below the double-beveled

shoulder E by a countersunk bolt, M, which is passed through a centrally-located bolt-hole, N, in the toe-plate before the double-pointed plow-point is secured to place on said casting or toe-plate I. On each side of the centrally-located bolt-hole N, in the rear face of the casting or toe-plate, are provided seats P Q, for the reception of the toe R of the lever S, which latter is fulcrumed in a recess, T, made longitudinally in the rear face of the standard B. The lever S is provided with an angular bend, U, just below the upper end of the plow-standard. The arm W of the lever extends above the plow-beam a proper distance to be conveniently reached by the plowman, and said arm W is provided with a knife-edge which engages the teeth of a rack-plate, X, secured to the upper face of the plow-beam, so that the lever may be held to its adjustments.

A guard, Y, is provided at the side of the plow-beam, and is designed to protect the arm of the lever S and prevent its accidental displacement.

When the arm of the lever S is moved forward to the front end of the toothed rack-plate X, the toe of said lever will be withdrawn from whichever seat in the toe-plate or casting it may at the time occupy, and the plow-point may be turned on its pivot to change it from a right to a left throw mold-board, and vice versa, so that a hillside may be traversed to and fro and the furrows be thrown all in the same direction.

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

1. The combination, with a plow-standard having the longitudinal recess T, the double-beveled shoulder D, and the laterally-extended portion, of the wedge-shaped concave casting having the central bolt-seat and the seats P Q, the pivot-bolt, the double-pointed plow-point, the lever fulcrumed in the recess T and provided with the toe for engaging the seats in the toe-plate, the lever-arm provided with a knife-edge, and the rack-plate secured to the plow-beam, substantially as specified.

2. The combination, in a plow, with the re-

cessed plow-standard having the double-beveled shoulders and the laterally-extended enlargement below the same, of the casting I, having seats P Q, the double-pointed plow-
5 point secured to said casting, the lever fulcrumed in a recess in the rear face of the plow-standard and provided with a toe at its lower end and a knife-edge near its upper end, and the rack and guard secured to the plow-beam

above the plow-standard, substantially as specified.

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

ROBERT ARRETUS CORN.

Witnesses:

W. R. SAMS,
G. W. FREEMAN.