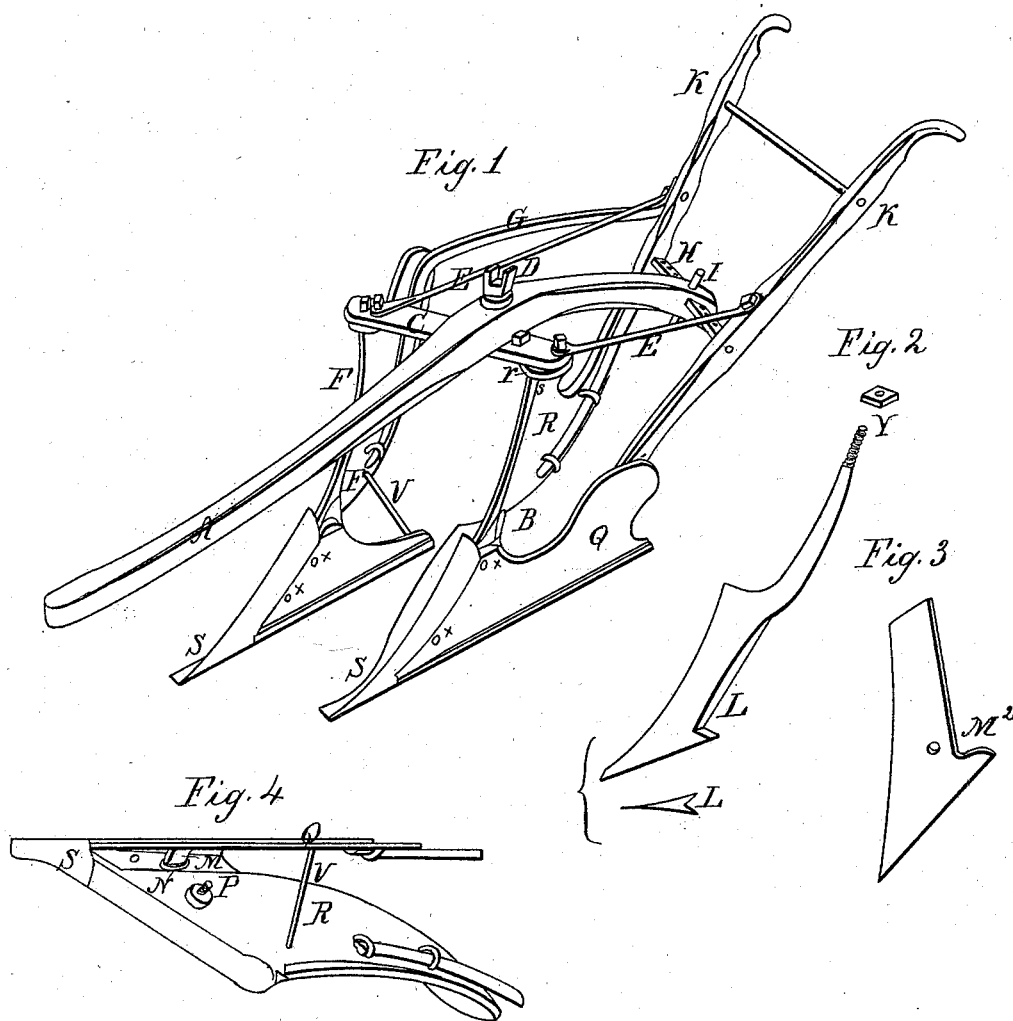


P. EICHAR.
 PLOW.

No. 3.372.

Patented Dec. 5, 1843.



UNITED STATES PATENT OFFICE.

PETER EICHAR, OF WOOSTER, OHIO.

IMPROVEMENT IN DOUBLE PLOWS.

Specification forming part of Letters Patent No. 3,372, dated December 5, 1843.

To all whom it may concern:

Be it known that I, PETER EICHAR, of Wooster, in the county of Wayne and State of Ohio, have invented a new and useful Improvement in Plows, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a perspective view of the combined plows; Fig. 2, an additional cutter; Fig. 3, an additional share. Fig. 4 is a view of the under side of the mold-board and landside.

This invention and improvement consists in combining with the movable adjustable beam A of a single plow, B, an oblique adjustable connecting-bar, C, connected by one of its ends (when two plows are to be combined) to the head of the standard s of the single plow and to the underside of the beam A by the vertical clevis-bolt D, passing through the beam A and the connecting-bar C, being braced by rods or braces E extending from it to the handles K of the plow. The additional plow F is secured to the outward extremity of the connecting-bar C by a bolt and to the handle K of the plow by an additional handle, G, or curved brace, which extends from the mold-board to the handle K, and which securely braces it thereto by the connecting-bolt passing through the said curved brace, straight brace E, and handle K.

Between the handles K of the plow is secured a perforated or notched segment-bar, H, upon which the rear end of the beam moves to the right or left for taking more or less land. This segment-bar passes through a mortise in the rear end of the beam A, the beam being secured upon it at any angle required by means of a vertical pin or bolt, I, passed through the beam and segment-bar.

The manner of locking the landside to the mold-board is peculiar. It is effected by forming a mortise, N, Fig. 4, in the inside of the forward part of the mold-board, where it is cast thick for the purpose, into which is inserted a corresponding hook, M, formed on the upper and forward part of the landside, and strengthening the lock by a brace, V, inserted between the landside and mold-board, and by means of two or more studs, points, or pins, x,

cast on the mold-board passing through corresponding apertures in the landside, Fig. 1.

Another improvement is in making the colter in the manner represented in Fig. 2, and concave on the back, of a shape corresponding with the shape of the front part of the mold-board and landside, where they unite, and in extending said colter up through the head r of the standard and through the aperture for the clevis-bolt in the beam A, and fitting the mold-board into a cavity, L, in the heel of the colter, being secured by means of a screw-tap, Y, on its upper end turned down upon the top of the beam, and further secured, if necessary, by means of a staple or loop formed on the inside of the mold-board, through which the said colter is inserted. This colter is made of wrought-iron and resembles a common colter from the point to half its length. It then bends back and forms another curve, which allows it to pass back of the front edge of the mold-board and by the side thereof, and up through the head or cap r of the sheths and through the beam A.

Another improvement is in the manner of making and fitting the share. This is made as represented in Fig. 3, and is fitted into a corresponding groove made in the outside of the lower portion of the mold-board, and is curved over on its upper edge, or made hook-shaped, to hook or lock over the front edge of the mold-board. This share and colter are substituted for the share and colter represented in Fig. 1, and are both made of wrought-iron, and after the share is fitted and bolted to the mold-board the colter, which is saddle-shaped on its back, is made to straddle the front part of the mold-board and share, and when screwed up firmly by the nut Y binds all the parts firmly and securely together.

The plows thus combined are designed for plowing in grain and stirring loose land of every description, and will perform twice the work of the common single plow.

These plows are easily disengaged and formed into two separate plows, it being only necessary to provide a beam and handles and landside for the additional plow.

The single plow is formed by merely withdrawing the clevis-bolt from the connecting-

bar and inserting it into the head of the standard of the plow B, and adjusting the rear end of the beam on the segment-bar H, and securing the same at the angle required by the bolt or pin I.

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

1. The combination of the additional connecting-bar C and plow F and braces E E G with the single plow B, for converting the latter into a combined plow, in the manner and for the purpose set forth.

2. The combination of the adjustable beam A with the double plow, in the manner above described.

3. The manner of locking the landside of the mold-board by means of the hook M, mortise N, pivots *x x*, and brace V, combined and arranged as described.

P. EICHAR.

Witnesses:

WM. P. ELLIOT,
ALBERT E. JOHNSON.