

J. SHICKEL.

PLOW.

No. 178,970.

Patented June 20, 1876.

Fig. 1.

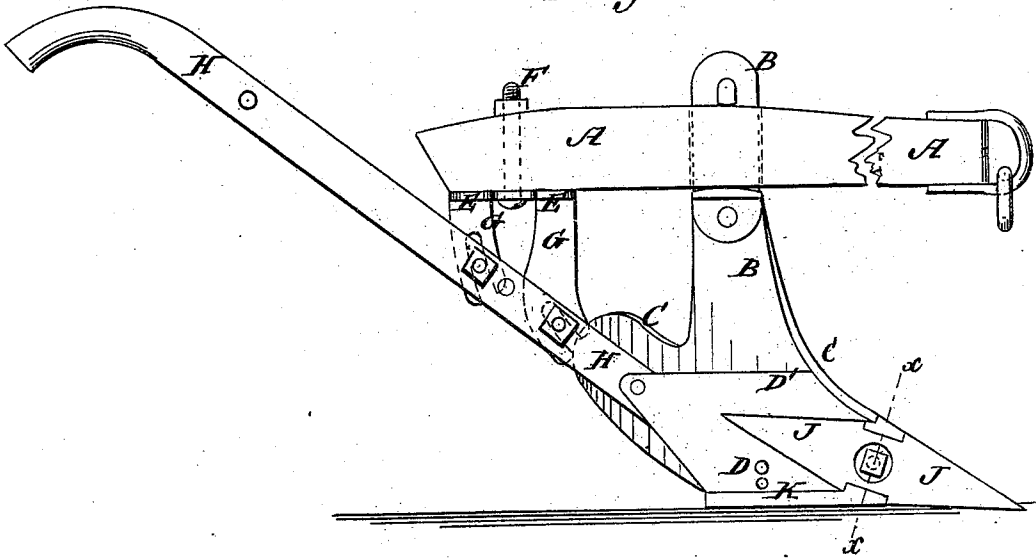


Fig. 2.

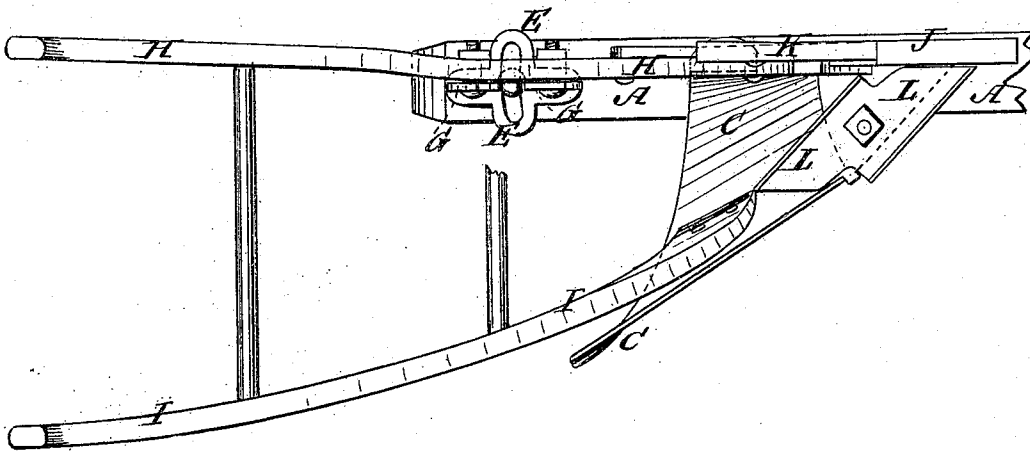
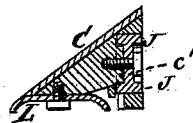


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH SHICKEL, OF BRIDGEWATER, VIRGINIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **178,970**, dated June 20, 1876; application filed March 25, 1876.

To all whom it may concern:

Be it known that I, JOSEPH SHICKEL, of Bridgewater, county of Rockingham, and State of Virginia, have invented an Improvement in Plows, of which the following is a specification:

Figure 1 is a side view of my improved plow. Fig. 2 is a bottom view of the same.

The invention consists in connecting a mold-board and plow-point by a projection on the former, and a countersink on opposite sides of the latter, in addition to the ordinary clamping-bolt, thus enabling the point to be fastened, after reversal, with equal security and facility as before.

Similar letters of reference indicate corresponding parts.

A is the beam, B is the standard, C is the mold-board, and D is the land-side, of a plow. E is a casting, which fits upon the lower side of the rear end of the beam A, and is secured to it by a bolt, F, which passes through the beam, and through a curved slot in the casting E, so that the beam A may be adjusted to cause the plow to leave or take land by loosening the bolt F. Upon the casting E are formed downwardly-projecting arms G, which have slots in their lower end to receive the bolts by which they are secured to the land-side handle H, so that, by loosening the said bolts, the beam A may be adjusted to cause the plow to run deeper or shallower in the ground. The land-side handle H is secured to the land-side D, and the mold-board handle I is secured to the mold-board C, and the two handles are connected together by rounds in the usual way. J is the point, which is made diamond-shaped, and has notches formed in its edges, upon the opposite sides of its cen-

ter, to receive the forward edge of the foot K, secured to the bottom of the land-side D. The upper notch in the point J receives a correspondingly-shaped projection formed upon the mold-board C. This construction assists in holding the point J in place, and prevents it from becoming clogged with roots, weeds, or other rubbish. The land-side D has a recess formed in it to receive the rear part of the point J, and the said point is secured in place by a bolt, the hole for which is countersunk upon both sides of the point to prevent the bolt-head from projecting beyond the surface of said point. Upon the mold-board C is formed a circular projection, *c'*, which fits into the countersink in the under side of the point J, and into which is screwed the bolt that secures the said point J in place. The projection *c'* takes the strain from the bolt, and supports the point more firmly.

By this construction the point J, when worn, can be turned, reversed, and again turned, so that it is capable of four adjustments.

L is the share, which is secured in place by a bolt, and is made double, or with both sides alike, so that it may be reversed when worn.

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

The combination, with a clamping-bolt, of the plow-point, having countersinks on both sides, and the mold-board having corresponding projections to fit said countersinks, substantially as and for the purpose specified.

JOSEPH SHICKEL.

Witnesses:

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