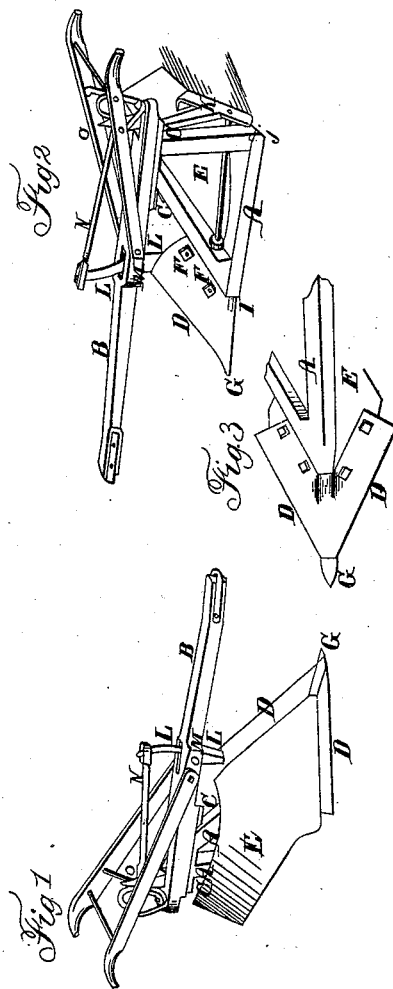


D. GOCHNOUR, Jr.

Side-Hill Plow

No 1.632.

Patented June 12, 1840.



UNITED STATES PATENT OFFICE.

DANIEL GOCHNOUR, JR., OF CONEMAUGH TOWNSHIP, CAMBRIA COUNTY,
PENNSYLVANIA.

IMPROVEMENT IN HILLSIDE-PLOWS.

Specification forming part of Letters Patent No. 1,632, dated June 12, 1840.

To all whom it may concern:

Be it known that I, DANIEL GOCHNOUR, Jr., of Conemaugh township, in the county of Cambria and State of Pennsylvania, have invented a new and useful Improvement on Teeter's Hillside-Plow; and I do hereby declare that the following is a full and exact description, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a perspective view of the right side. Fig. 2 is a perspective view of the left side; Fig. 3, view of the under side of the mold-board and share at their junction.

Similar letters refer to similar parts in the figures.

The principal feature of this improvement consists in the peculiar manner of combining the mold-board with the landside by making the mold-board to turn on the point of the landside instead of on a roller placed in the bar of the landside, by which arrangement the shares of the plows now in use alternately serve as a colter and share, thereby dispensing with the ordinary fixed colter employed, and in a new and useful method of securing the mold-board to the alternate sides of the landside by means of a catch and rod, hereinafter described.

A stationary landside, A, of cast-iron, (without a roller, such as that in Teeter's plow,) is attached to the beam B by two screws, C C.

A double share, D D, of cast or hammered iron, which acts alternately as share or colter, is attached to a mold-board, E, by screws F. At the junction of the double share is a cast or hammered iron or steel point, G, attached by screws or welded to or cast with the share. The double revolving share may be made of cast or wrought iron, shaped so as to form a slight obtuse angle from the mold-board, which fits into said angle for throwing the edge of the share toward the land, and at the heel it is enlarged and strengthened, so as to form a suitable protuberance to admit of the formation of a socket therein to admit the point or toe of the land-bar on which the double share and mold-board turn.

The mold-board and shares are attached to the landside by means of the aforesaid socket in the heel of the share, which admits a journal-point, pivot, or toe, I, on the fore part of the land-bar side, (represented by dotted lines,) and by a journal, J, (also represented by dotted lines,) on a brace, K, attached to the back part of the mold-board by riveting or otherwise, and which journal J is received into a socket at the back or rear end of the land-bar. A catch, L, to catch upon the share and secure it in its place, is put through the beam and moves upon a horizontal bolt, M, and is brought back and secured to its place by a rod, N, extending back near to the rear of the beam, and then secured on a small upright post, O, rising from the beam, entering an oblong mortise in said rod N. The mold-board and share are so fixed that the part of the share which alternately acts as a colter is thrown to the side of the beam opposite to the mold-board, and thus throws the plow into the land sufficiently without shifting the hook of the double-trees on the clevis.

What I claim as my invention and constituting my improvement on the Teeter plow is—

1. The manner in which I have combined the mold-board with the landside by making the mold-board turn on the point of the landside instead of on a roller placed in the bar of the landside at a distance from the point, as in the Teeter plow, by means of which arrangement I am enabled to use the shares of the Teeter plow alternately as a colter and share, thereby dispensing with the ordinary fixed colter employed in said Teeter plow.

2. In combination therewith, the method of securing the mold-board to the alternate sides of the landside by means of the catch L and rod N, the whole being constructed and arranged as herein set forth.

DANIEL GOCHNOUR, JR.

Witnesses:

S. DOUGLASS,
E. ROBERTS.