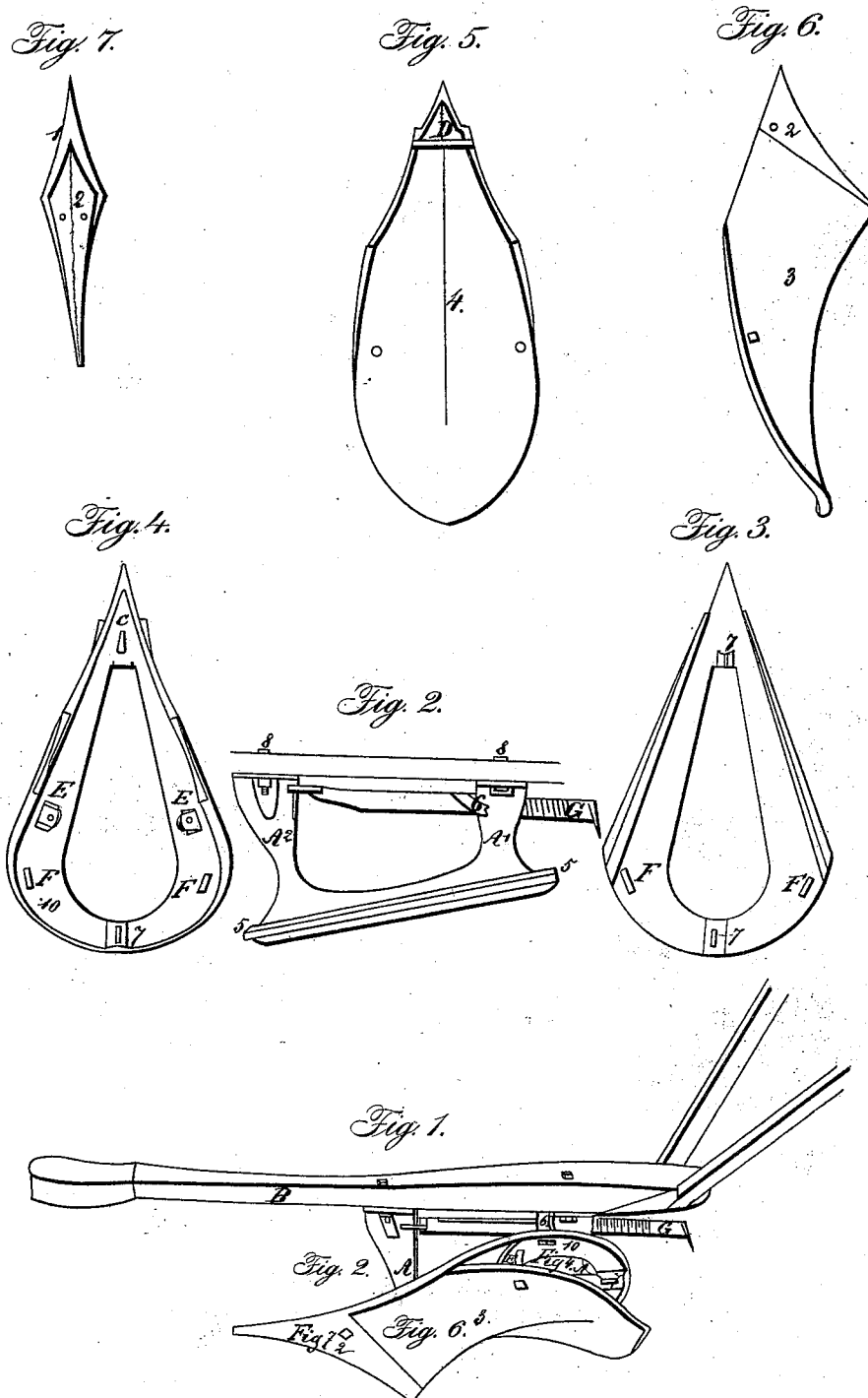


I. BREWSTER.

Side-Hill Plow.

No. 5,922.

Patented Nov. 14, 1848.



# UNITED STATES PATENT OFFICE.

IRAM BREWSTER, OF STAMFORD, NEW YORK.

## IMPROVEMENT IN HILLSIDE-PLOWS.

Specification forming part of Letters Patent No. 5,922, dated November 14, 1848.

*To all whom it may concern:*

Be it known that I, IRAM BREWSTER, of Stamford, in the county of Delaware, State of New York, have invented a new and useful Improvement on Reversing Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view, and Figs. 2, 3, 4, 5, 6, 7 sectional views.

To enable others skilled in the art to make and use my plow, I will proceed to describe its construction and operation.

Fig. 7 is the point, cast partly hollow, (marked 2.)

Fig. 6 is a side view of the share and mold-board, cast all in one piece. The mold-board is marked 3, and 2 is the tenon on which the point slips, and is screwed fast with a screw-bolt.

Fig. 5 is the interior of the mold-board, which is cast hollow, nearly, and marked 4. D is a bar cast across the hollow part near the point, in which, under it, slips a pivot, C, Fig. 4.

Fig. 4 is the inside of the landside-plate to fit onto Fig. 5 by the pivot C under the bar D, and by screw-bolts and curved braces about an inch long, E E.

Fig. 3 is the outside of the landside-plate. F F are openings for clinching the standard of the beam and the landside together. 7 7 7 are sockets, into which the points or pivots of the standard of the beam slip and unite the beam, landside, and mold-board.

Fig. 2 is the standard. 5 5 are the pivot-points which slip into 7 7 7, and, being round, enable the mold-board and landside to revolve from side to side of the beam. 6 is a clutch on a spiral-screw spring, G, which moves through the center of A' and is fastened on A<sup>2</sup>. This spiral spring is for gearing and ungearing the mold-board by pressing on the end of

it with the foot, by which action the clutch 6 is thrown out of F F and the mold-board changed to either side of the beam. 8 8 are screw-bolts, which unite the standard with the beam.

Fig. 1, the perspective view, represents all the sectional views united together. A A are the standard-braces of the beam B. 2 is the point of Fig. 7. 3 is the mold-board, Fig. 6. 10 is the landside, Fig. 4; G, the spiral spring clutched into the landside by clutch 6. 7 is the socket of pivot 5. E is a curved brace, uniting the landside and mold-board by being screwed together by a bolt.

The nature of this invention is by having a hollow mold-board to enable the plow to be easily shifted from side to side in plowing ridges of land without making a long head-land turn. For this purpose the mold-board of my plow, being very light in proportion to its size, can easily be shifted from one side of the beam to the other side by means of the spiral spring and the pivots 5 5, revolving in the sockets 7 7.

Having thus described my invention, the mode of its construction and operation, I do not claim the revolving mold-board as a new invention, as that has been known before; but

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

1. The hollow mold-board and its combination with the standard A A and the spiral spring G, substantially as described, and for the purpose set forth.

2. The combination of the hollow plow-point with the mold-board, as described, so as to make the upper and lower sides of the mold-board alike, substantially in the manner and for the purpose set forth.

IRAM BREWSTER.

Witnesses:

R. MACFARLANE,  
M. McRAE.