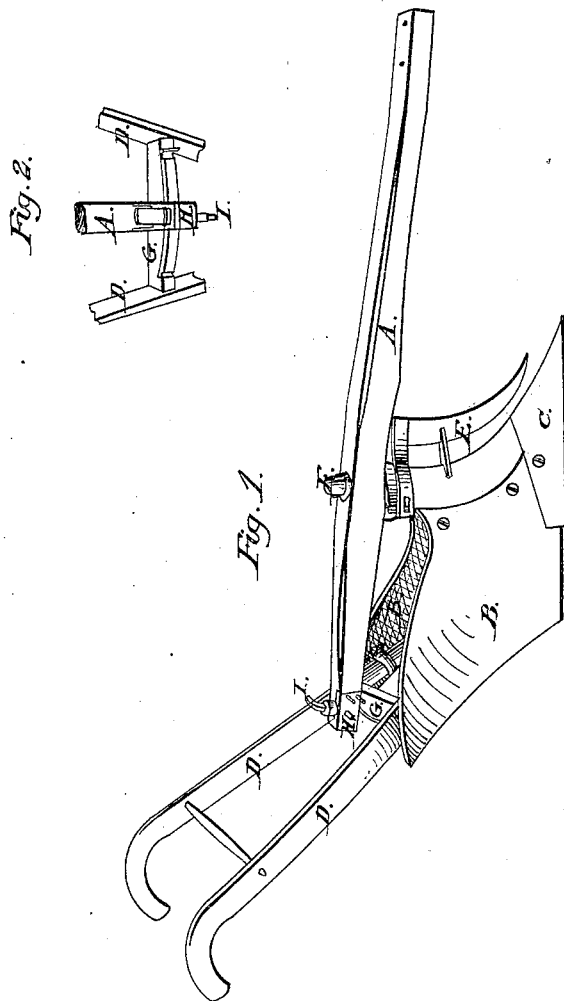


*A. Barnaby,*

Flow,

*N<sup>o</sup> 1,320,*

*Patented Sept. 11, 1839.*



Witnesses:  
Agnes, Sarah  
Henry Moore

Inventor:  
W. Bonally

# UNITED STATES PATENT OFFICE.

AMBROSE BARNABY, OF ITHACA, NEW YORK.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 1,320, dated September 10, 1839.

*To all whom it may concern:*

Be it known that I, AMBROSE BARNABY, of Ithaca, in the county of Tompkins and State of New York, have invented a new and useful Improvement in the Construction of Double Mold-Board Plows, by which I am enabled to use either as a landside, the beam revolving on the standard-bolt attaching it to the double mold-board, and secured behind, between the handles, by a hook or holdfast sliding into grooves formed on the middle cross-piece for that purpose.

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

Two mold-boards having the same curvatures are secured together by any of the usual methods. That which I have used generally is to cast one wing, Figure 1, B, separate, and bolt it onto a flange projecting from the cutting-edge or standard, forming a surface flush or even with said standard, as represented in the drawings by a curved line parallel with the cutting-edge. A colter, E, is secured in front of this edge by a clasp round the top of the standard, with a stay at a short distance below it to keep the colter at a proper distance in advance of it. This colter does not pass through the beam, nor is it connected with it in any way.

The standard-bolt F serves as a pivot for the beam A, enabling it to play to the right or left at pleasure. At the back end of the beam a socket, H, is fitted tightly, having a horizontal hole through its sides to admit a pin, which is to serve as a pivot for a vertical hook or holdfast, I, to play backward or forward in a hole through this end of the beam, made for the purpose. This holdfast is shaped like a thumb-latch at the top, and forms a hook below the pivot, turning toward the front, intend-

ed to traverse upon the middle cross-piece, G, between the handles, and drop into a groove formed at each extremity of this cross-piece to limit the motion of the beam should it be turned to the right or left, as occasion may require. A flat spring behind the holdfast is used to force it into the groove at the proper time, and the application of the foot or hand releases it whenever the beam is to change its direction. The middle cross-piece has its upper edge made horizontally for the beam to rest upon, and the back or grooved side forms a segment of a circle drawn from the standard-bolt as a center. This edge is lined with a plate of metal to secure it and the groove from wear. Fig. 2 represents a section or back view of the middle cross-piece, G, and holdfast H.

The share C is of that kind which fits into a recess on the upper part of the mold-board and secured by bolts. The peculiarity of mine is that it has a fork shape and forms a double share, as represented in the drawings at C, to fit on both boards, which strengthens them, the point serving for either.

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

1. The mode of changing a double mold-board plow to serve either as a right or left handed one, for hillside and other purposes, by shifting the beam and securing it on the cross-piece, as herein described.

2. The attaching the colter to the upright standard or cutting-edge of the mold-board by means of the clasp and stay instead of the beam, as above set forth.

AMBROSE BARNABY.

Witnesses:

JOHN S. THORN,  
JAMES SHEWS.