

(No Model.)

A. R. MALLORY.

PLOW POINT.

No. 301,616.

Patented July 8, 1884.

Fig. 1.

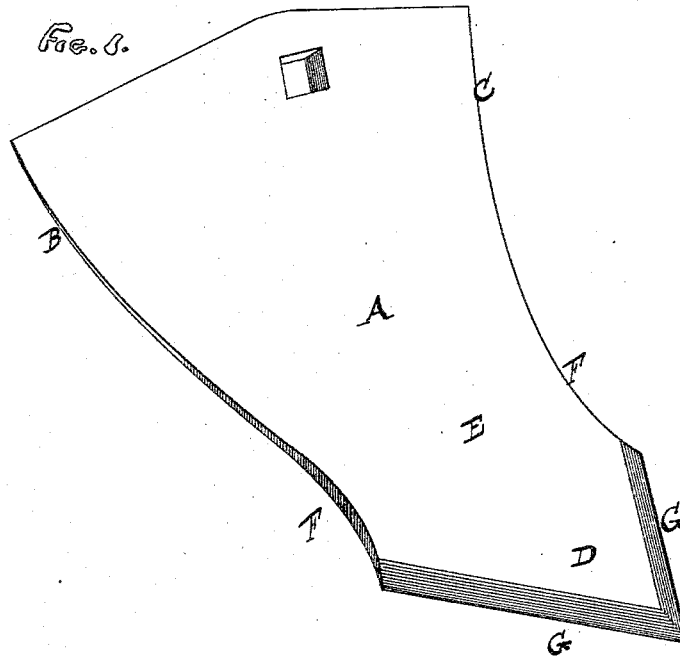
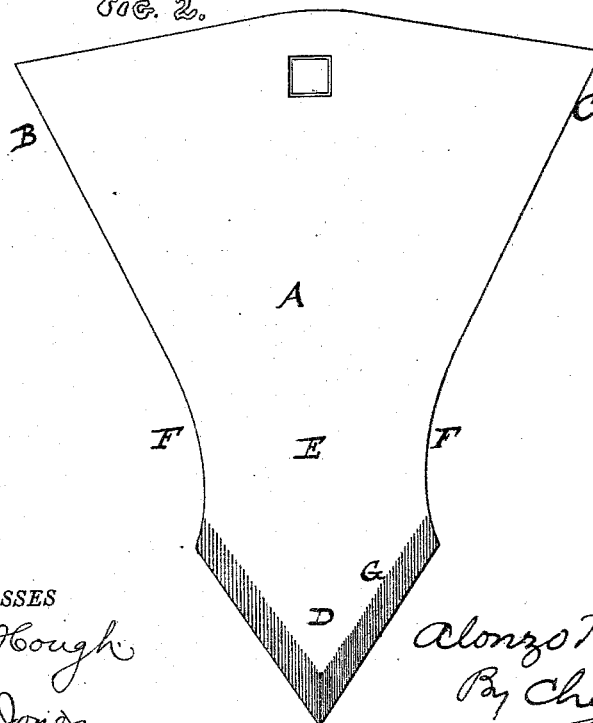


Fig. 2.



WITNESSES

E. P. Hough
W. E. Jones

INVENTOR

Alonzo R. Mallory
By Chas. J. Good
Attorney

UNITED STATES PATENT OFFICE.

ALONZO R. MALLORY, OF MADISON, GEORGIA, ASSIGNOR OF ONE-HALF TO
AUGUSTUS H. MALLORY, OF SAME PLACE.

PLOW-POINT.

SPECIFICATION forming part of Letters Patent No. 301,616, dated July 8, 1884.

Application filed April 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALONZO R. MALLORY, a citizen of the United States of America, residing at Madison, in the county of Morgan and State of Georgia, have invented certain new and useful Improvements in Plow-Points, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention consists in certain improvements in the construction of plow-points and cultivator-teeth, as will be hereinafter described and claimed.

15 In the accompanying drawings, Figure 1 represents a perspective view of my improved tooth, and Fig. 2 represents a front elevation thereof.

20 This improved tooth or point is equally well adapted for use in connection with plows of the ordinary kind, shovel-plows, and cultivators, and is especially designed for the purpose of elevating the soil and for operating between growing crops, opening land for planting purposes, and adapting the same to receive commercial manures, breaking the land, and 25 traveling with the minimum amount of draft. The plow-point A is constructed with a gradual curve from point to top, by means of which it is adapted to readily enter within and slide through the earth and open the same. From 30 about the center of the plate, at its upper portion, the sides B C flare downwardly and outwardly at a gradual curve, so as to shed the earth rising up thereto on either side of the plate. The point D is of diamond shape, and 35 by reason of the gradual curved form of the entire plate the entire lower portion of said plate in use rests flat upon the ground, and thus affords an extended bearing-surface for said point, by reason of which it can readily 40 enter the ground and pass along the same at a regular depth and with a minimum amount of draft. The point D, as will be observed on reference to the drawings, is about one-half 45 the width of the body or upper portion of the plate, and is formed by swaging or otherwise by flaring the shank E from the curved or recessed portions F F. Consequently in my arrangement the point, when it becomes worn 50 can be flared and re-formed again and again, until the plate has become too short to plow with. There is this advantage in this con-

struction, that where the point is of equal or nearly equal width with the body the point cannot be re-pointed, but it has to be "laid" 55 with a new point, whereas in my arrangement the expense incidental to the laying of a new point on the plate as the point becomes worn is avoided, and the plate can be used for a much longer time, it being simply necessary 60 to reflare and re-point the plate until it becomes too short for further use. By flaring the point upwardly and outwardly it will effectually cut instead of wedging its way through the earth, as in the case of an ordinary shovel-plow, and 65 by curving the entire plate, as shown, the diamond-shaped point will rest flat upon the ground, and will be enabled to cut its entire width, thus permitting the entire body of the plow-point to do effectual and better work 70 than if it were not adapted to rest flat upon the ground, as shown. By forming the plate with the recessed edges immediately above the diamond-shaped point, said point can be readily sharpened when it has become dull or 75 blunt in use, and by forming the point of diamond shape, with rearwardly-extending beveled upper face, G, the earth will be thoroughly broken thereby as it passes through. By forming the plate with gradual outwardly 80 and downwardly flaring side wings, B C, the earth as it passes up said plate will be shed therefrom on either side thereof in a uniform manner, which will prevent the earth clogging and impeding the free movement for- 85 ward of the plow.

Having thus described my invention, what I claim is—

A plow-point consisting of a plate of gradual upward and outward curved form from 90 point F to top, and having gradually downward-flaring side wings and recessed edges, a diamond-shaped point, a narrow neck at F, and a broad top portion, the point having a rearwardly-beveled upper face, substantially 95 as and for the purpose set forth.

In testimony whereof I affix my signature in presence of witnesses.

ALONZO R. MALLORY.

Witnesses:

E. A. FURLOW,
WOODY RICHTER,
DAVID S. JOHNSTON.