J. C. POOLE.

MOLDBOARD FOR PLOWS.

APPLICATION FILED OCT. 17, 1912.

1,099,765. **Patented June 9, 1914.**

Fig. 3.

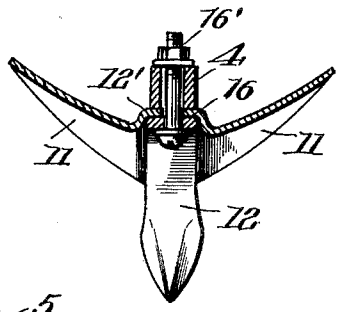
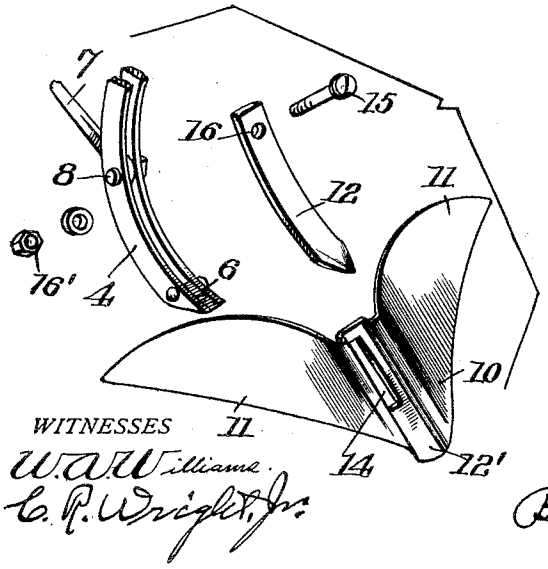


Fig. 1.

Fig. 2.



WITNESSES

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MOLDBOARD FOR PLOWS.

1,099,765. Specification of Letters Patent. Patented June 9, 1914.

Application filed October 17, 1912. Serial No. 726,384.

To all whom it may concern:

Be it known that I, JOHN C. POOLE, a citizen of the United States, residing at Cummings, in the county of Forsyth and State of Georgia, have invented certain new and useful Improvements in Moldboards for Plows, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in moldboards for plows, the primary object of which is to provide a moldboard attachable and detachable to the plow-beam and plow-point, and also to expose a smooth outer surface to the ground in operation.

A further object of my invention is to provide a moldboard which is adjustable to varying sizes of plow-points.

Referring now to the drawings—Figure 1 is a perspective view of a plow, showing my preferred improvement attached thereto. Fig. 2 is a perspective view of a plow-beam and my improvement shown in detached relation. Fig. 3 is a section on the line 3—3 of Fig. 1. Fig. 4 illustrates a modified form of moldboard.

Referring now to the drawings in which like numerals indicate similar parts, 1 represents a plow-beam having the usual handle 2, attached to one end and the clevis 3 at the other end thereof.

4 is a standard comprising parallel downwardly and forwardly projecting members 4′ attached to opposite sides of the plow-beam by means of a bolt 5, and held a predetermined distance apart by means of a block 6 fastened between the extreme lower ends of the said parallel members. A brace 7 has one end fastened between said parallel members by means of a bolt 8, the other end thereof extending upward and backward and secured to the under side of the plow-beam directly beneath the handles by means of a bolt 9.

10 represents my improved moldboard comprising two wing-shaped portions 11, between which is a rectangular groove 12′ of a width and thickness to receive a plow-point 12. Said groove is formed by the outwardly flared opposite edges of the two wing-shaped portions 11. A longitudinal slot 14 is cut in the said rectangular groove to receive a bolt 15, which passes through a hole 16 in the upper end of the plow-point and thence through the longitudinal slot in the moldboard passing between the two parallel and separated members 4′ of the brace 4, and fastened thereto by means of a nut 16′, which bears against the inner edges of the said parallel and separated members 4′ of the brace 4.

The modified form shown in Fig. 4 is a moldboard composed of two separate wing-shaped members 18, and 18′ the inner ends of which are bent inwardly forming shoulders 19 and flat relatively rectangular surfaces 20. In assembling the two separate members of the moldboard, the flat relatively rectangular surfaces are placed one upon the other forming a groove similar to the groove in my preferred type of moldboard. Slots 21 running transverse the said rectangular portions afford means whereby the said separate members of the moldboard may be both secured together to receive the plow-point and also to fasten the said plow-point and assembled moldboards to the standard in the same manner as is shown in Fig. 1. By means of the slots running transverse the rectangular portions the wing-shaped members 18 and 18′ are adapted to be adjusted sidewise to fit plow-points of different widths and still to present a smooth surface.

It is well known to those familiar with the art of plows, that in operation great difficulty has been encountered by the collection of dirt on the surface of the plow-point and moldboard, which dirt clings to the edges of the plow-point where it rests on the flat surface of the moldboard. In my improved form the plow-point being depressed in the groove between the wings of the moldboard, presents a moldboard and plow point having an absolute flat surface, affording no means whereby dirt can cling to the moldboard or plow-point.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

The combination with a plow standard of the spaced-bar type, of a moldboard, said moldboard comprising a body-portion bent to form a narrow central longitudinal depressed portion for forming a groove in its outer face, said central longitudinally arranged depressed portion having a slot adapted to register with the space between the spaced-bars of the standards, a plow-point snugly fitting within the central longitudinally depressed portion of the moldboard and of a thickness equal to the depth thereof and a bolt passing through said

plow-point, and the slot in the moldboard and through the space between the spaced-bars of the standard, and a nut on said bolt on the outside of the spaced-bars of the standards, whereby the plow-point and the moldboard can be independently adjusted vertically without removing the bolt.

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

JNO. C. POOLE.

Attest:
ROSS A. BAGLEY,
CLAUDE C. FRANCIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."