

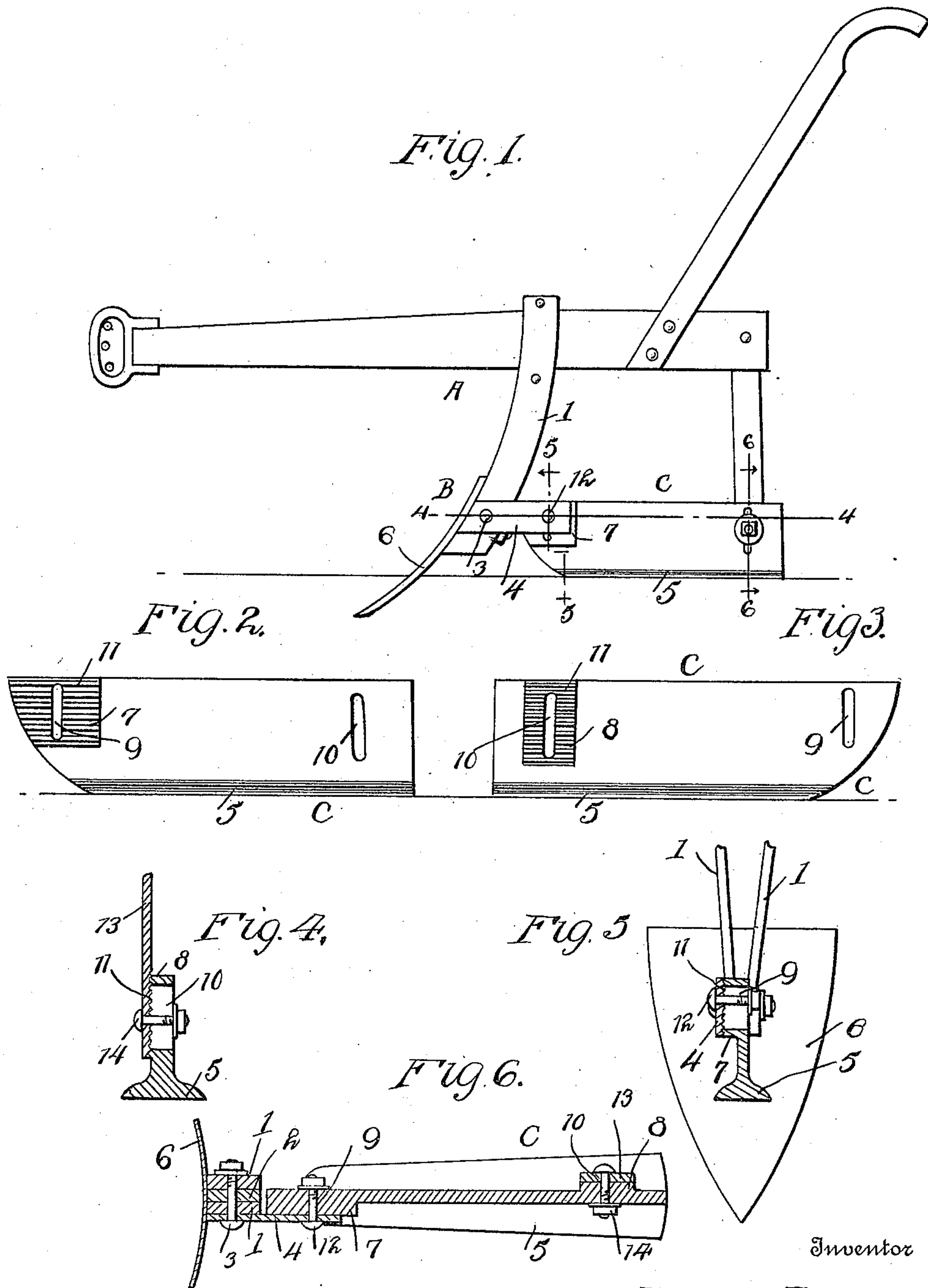
F. D. TARVER.

PLOW.

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987,507.

Patented Mar. 21, 1911.



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PLOW.

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Specification of Letters Patent.

Patented Mar. 21, 1911.

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To all whom it may concern:

Be it known that I, FREEMAN D. TARVER, a citizen of the United States of America, residing at Valdosta, in the county of Lowndes and State of Georgia, have invented new and useful Improvements in Plows, of which the following is a specification.

This invention relates to that class of plows which are provided with a heel slide for the purpose of regulating the depth, as well as the inclination of the plow.

The invention has for its object to simplify and improve the construction of the heel slide and the manner of connecting the same adjustably with the plow.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claim.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claim may be resorted to when desired.

In the drawing,—Figure 1 is a side elevation of a plow constructed in accordance with the invention. Fig. 2 is a side elevation of the heel slide detached. Fig. 3 is a side elevation, showing the opposite side of the heel slide. Fig. 4 is a horizontal sectional view taken on the line 4—4 in Fig. 1. Fig. 5 is a sectional detail view taken on the line 5—5 in Fig. 1. Fig. 6 is a vertical sectional view taken on the line 6—6 in Fig. 1.

A designates the plow beam carrying the stock or standard B which is composed of two flat side members 1, 1 secured upon either side of the plow beam and spaced apart adjacent to their lower ends by means of a block or foot piece 2. The lower ends of the side members 1, 1 are connected together by a bolt 3 carrying at one end a rearwardly extending arm 4.

The heel slide C, which may be of any suitable dimensions, is provided adjacent to its lower edge with laterally extending flanges 5 combining to form an earth engaging shoe or runner of desired width. The front end of the heel slide is beveled or

inclined downwardly and rearwardly so as to ride conveniently over the ground or in the furrow made by the plow blade 6 which is mounted upon the standard by means of a bolt or in any suitable convenient and well known manner. The heel slide is provided upon one of its sides or faces adjacent to its front end with a lug or reinforcement 7 and upon the opposite side, adjacent to the rear or heel end with a lug or reinforcement 8, said lugs or reinforced portions being provided with vertical slots 9, 10. The faces of the lugs 7 and 8 are preferably corrugated horizontally, as will be seen at 11 in Figs. 2 and 3. The forward end of the heel slide is secured by means of a fastening member, such as a bolt 12, to the rearwardly extending arm 4, said bolt extending through the slot 9 and through a suitable aperture in the arm 4. A brace 13 is secured to the plow beam adjacent to the rear end of the latter, and the lower end of said brace is connected with the rear end of the heel plate by means of a bolt 14 extending through the slot 10 in the heel plate. The faces of the arm 4 and of the brace 13 contacting with the lugs 7, 9 of the heel plate may be corrugated to mate the corrugated faces of said lugs, thus enabling the heel plate to be very firmly secured at various adjustments against displacement.

From the foregoing description, taken in connection with the drawing hereto annexed, the operation and advantages of this invention will be readily understood.

It will be seen that the heel plate may be raised or lowered to gage the depth to which the plow shall be permitted to enter the ground, and it is obvious that if desired said heel plate may be secured in an inclined position, thus regulating the angle at which the plow shall be presented to the ground.

The device is capable of being advantageously used in connection with various forms of plows and sweeps; the construction is simple, and the various adjustments may be easily and satisfactorily made.

Having thus described the invention, what is claimed as new, is:—

A plow beam having a standard comprising two side members and a spacing member at the lower end thereof, a bolt extending through said side members and spacing member, a rearwardly extending arm mounted upon said bolt, a brace extending downwardly adjacent to the rear end of the

beam, and a heel plate having oppositely disposed lugs and vertical slots extending therethrough adjacent to its front and rear ends, respectively, said lugs being provided
5 with corrugated faces, and the meeting faces of the arm and brace being correspondingly corrugated, in combination with fastening members such as bolts extending through the slots of the heel plate and con-

necting the same with the rearwardly extending arm and the downwardly extending brace. 10

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

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