(No Model.)

H. G. WEBB.

PLOW.

No. 471,922. Patented Mar. 29, 1892.

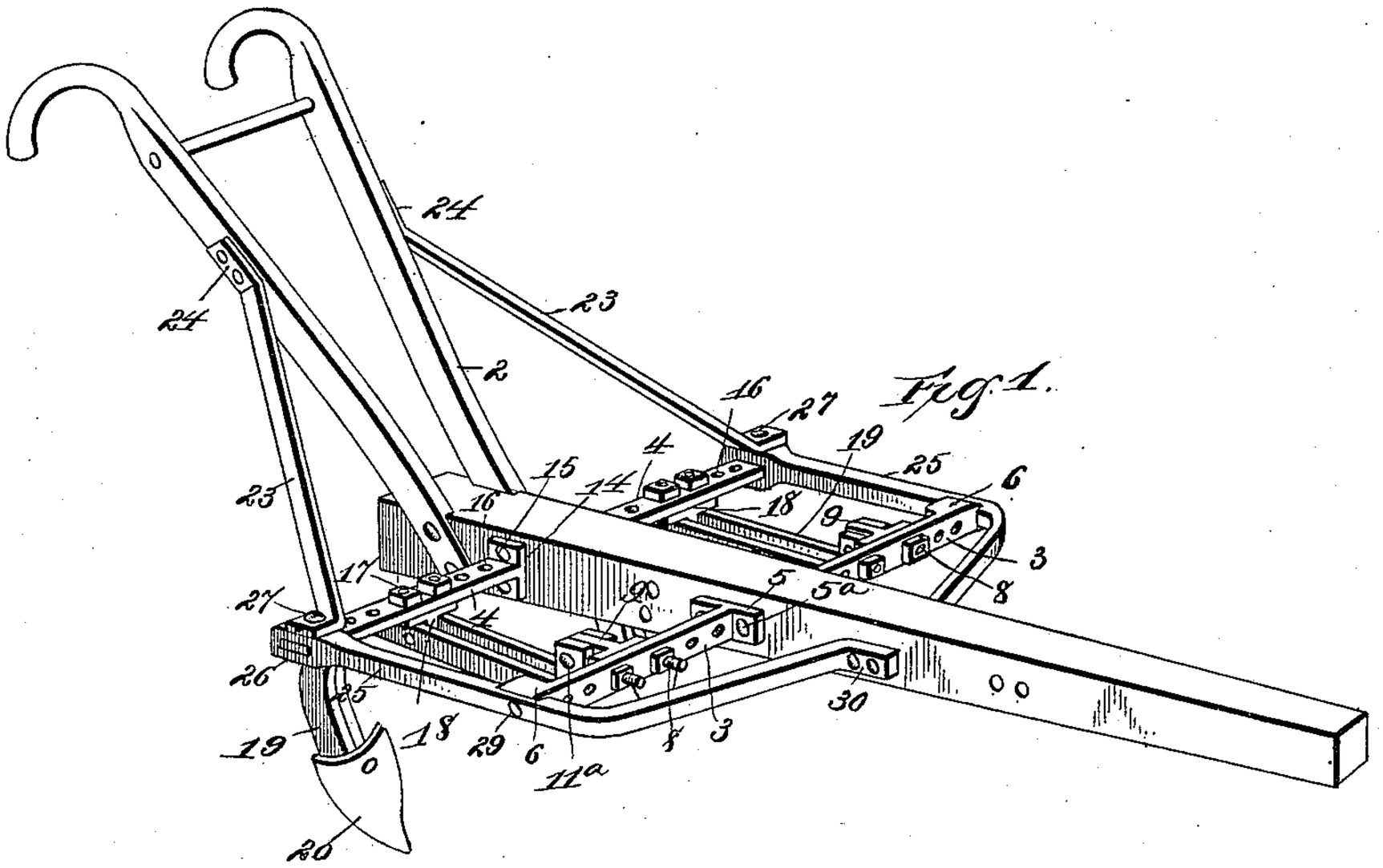

Fig. 1.

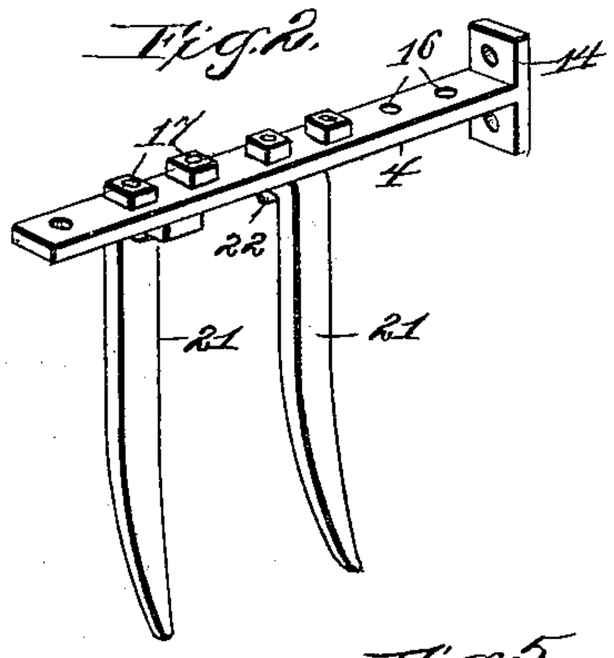

Fig. 2.

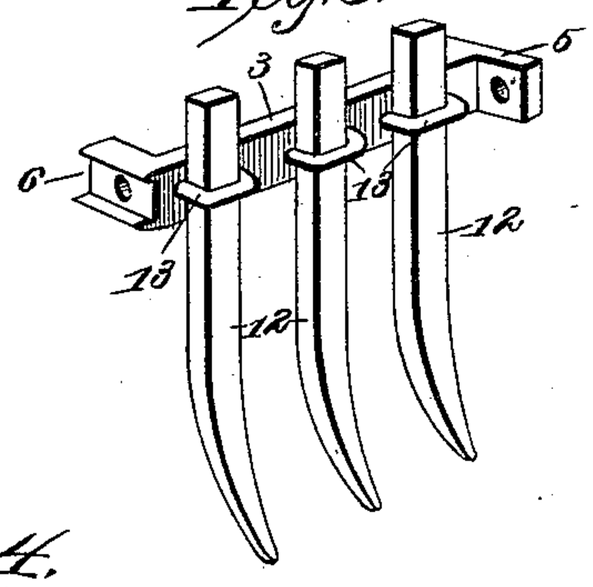

Fig. 3.

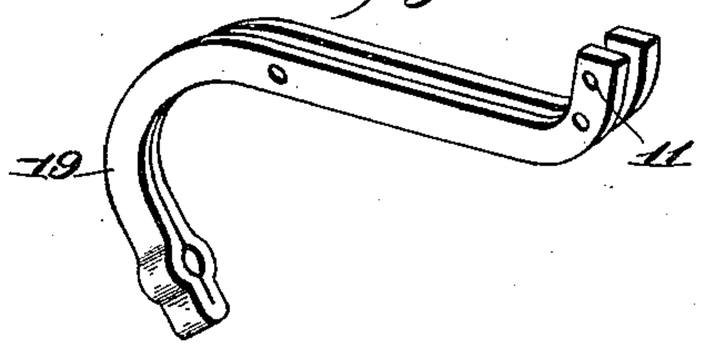

Fig. 5.

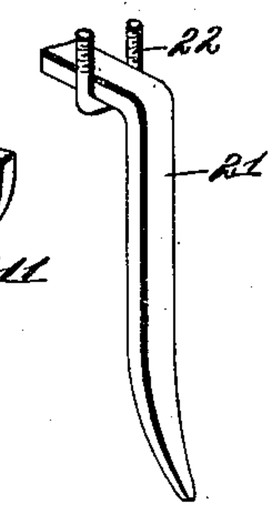

Fig. 4.

Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY G. WEBB, OF LAFAYETTE, ALABAMA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 471,922, dated March 29, 1892.

Application filed December 12, 1891. Serial No. 414,873. (No model.)

To all whom it may concern:

Be it known that I, HENRY G. WEBB, a citizen of the United States, residing at Lafayette, in the county of Chambers and State of Alabama, have invented a new and useful Plow, of which the following is a specification.

This invention relates to improvements in plows; and the objects in view are to provide a suitable, cheap, and convenient attachment to be applied to an ordinary plow-beam, and to thus convert the same into a double or single foot plow, a harrow, or a combination of plow and harrow for listing, breaking ground, harrowing, &c.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a plow beam or stock provided with an attachment constructed in accordance with my invention. Fig. 2 is a detail in perspective of the rear plow-supporting arm, the same being shown provided with harrow-teeth. Fig. 3 is a similar view of the front plow-supporting arm, the same being provided with harrow-teeth. Fig. 4 is a detail of that form of harrow-tooth employed in relation to the rear plow-supporting arm. Fig. 5 is a detail in perspective of one of the plow-standards.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates an ordinary plow stock or beam provided at its rear end with the usual handles 2, from which stock the ordinary plow standard or foot has been removed. The stock has been provided at intervals with pairs of perforations or bolt-openings, and to the opposite sides of the beam there are bolted pairs of front and rear laterally-disposed arms 3 and 4, respectively. The arms 3 have their inner ends terminating in oppositely-disposed securing lugs or ears 5, through which bolts 5^a are passed into the plow beam or stock, and their outer ends are rearwardly bent to form securing-plates 6, having perforations and at opposite edges flanges. Between its ends each arm is provided with a series of perforations and connected to the rear side of the arm in an adjustable and removable manner by means of a pair of bolts 8 is a T-shaped lug 9. The rear arms 4 terminate at their inner ends in securing-lugs 14, which are bolted, as at 15, to the opposite sides of the plow stock or beam. Each arm is provided with a series of perforations 16, any two of which may be occupied by bolts 17 for the purpose of securing in an adjustable and removable manner a depending T-shaped lug 18 to the under side of the arm.

19 designates a compoundly-curved plow-standard, two of which are employed, each being bifurcated to a point near its lower end or foot, and to said lower ends shovels 20 are secured. At its front upturned end each standard is perforated, as at 11, and is adjustably connected to the rearwardly-disposed T-shaped fastening of the front arm by means of a bolt 11^a. At its rear angle the standard receives the rear depending T-shaped fastening 18 of the rear arm, by which it is pivoted to said rear arm. It will be apparent the two plows thus constructed may be adjusted toward or away from each other by locating the fastenings of each pair of arms in the various openings thereof, and, furthermore, that by adjusting the front ends of the plow-standards the shovels may be raised and lowered and adapted for any depth of penetration. By setting the arms at one side of the beam in advance of the other the two plows will be similarly located with relation to each other—that is, one advanced in front of the other. To the opposite sides of the plow-beam, at the outer ends of the rear arms 4, there are bolted, as at 27, inclined braces 23, the upper ends of which are bolted to the opposite plow-handles. Opposite braces 25, terminating at their rear ends in loops 26, take over the outer ends of the rear arms 4, are bolted thereto by the bolts 27, before mentioned, extend forwardly, and lie between the flanges of the securing-plates 6 of the front arms 3, are bolted, as at 29, to the same, are brought around in front of the arms 3, are converged, and bolted, as at 30, to the opposite sides of the beam. The T-shaped lugs of the front arms 3 may be removed and ordinary harrow-teeth 12 substituted for the same, the teeth being secured to the arms by means of embracing staples 13. In a like manner by U-shaped staples 22, passed up-

wardly through the rear arms 4, a series of inverted-L-shaped harrow-teeth 21 may be attached.

From the foregoing description it will be seen that the arms or attachments may be adjusted at various points along the beam, and that the attachments may be applied to any ordinary plow stock or beam, whether formed of wood or iron, without injury to the same or an interference with the replacing of the former parts after the removal of my attachments, though, if desired, the attachment may be manufactured with stocks. It will also be seen that the plows may be thus employed in connection with each other or one may be removed and employed in connection with the harrow-teeth located at the opposite side of the beam.

Having described my invention, what I claim is—

1. The herein-described attachment for plows, the same consisting of a pair of transversely-disposed arms the inner ends of which are adapted to be secured to a plow-beam, said arms being provided with perforations, T-shaped lugs adjustably secured to the arms, and the compoundly-curved bifurcated plow-standard provided at its lower end with a shovel pivoted at its rear angle to and embracing the T-shaped lug of the rear arm and having its front end provided with adjusting-perforations and embracing and adjustably bolted to the T-shaped lug of the front arm, substantially as specified.

2. The combination, with the plow-beam having the handles, of the opposite pair of front and rear perforated arms terminating at their inner ends in securing-plates bolted to the beam, the front arms having their outer ends rearwardly disposed and terminating in flanged perforated securing-plates, T-shaped lugs secured to the arms, those of the front arms being rearwardly extended and those of the rear arms downwardly extended, a compoundly-curved bifurcated plow-standard having its front end perforated or provided with adjusting-holes, bolts for securing the plow-standards at their front and rear ends to said T-shaped fastenings, opposite braces terminating at their rear ends in eyes receiving the outer ends of the rear arms, resting in the securing-plates of the front arms and bolted thereto and having their front ends inwardly disposed and bolted to the beam, and the inclined braces bolted to the opposite handles and at their lower ends to the outer ends of the rear arms, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY G. WEBB.

Witnesses:
A. J. DRIVER, Jr.,
J. B. DUKE.