

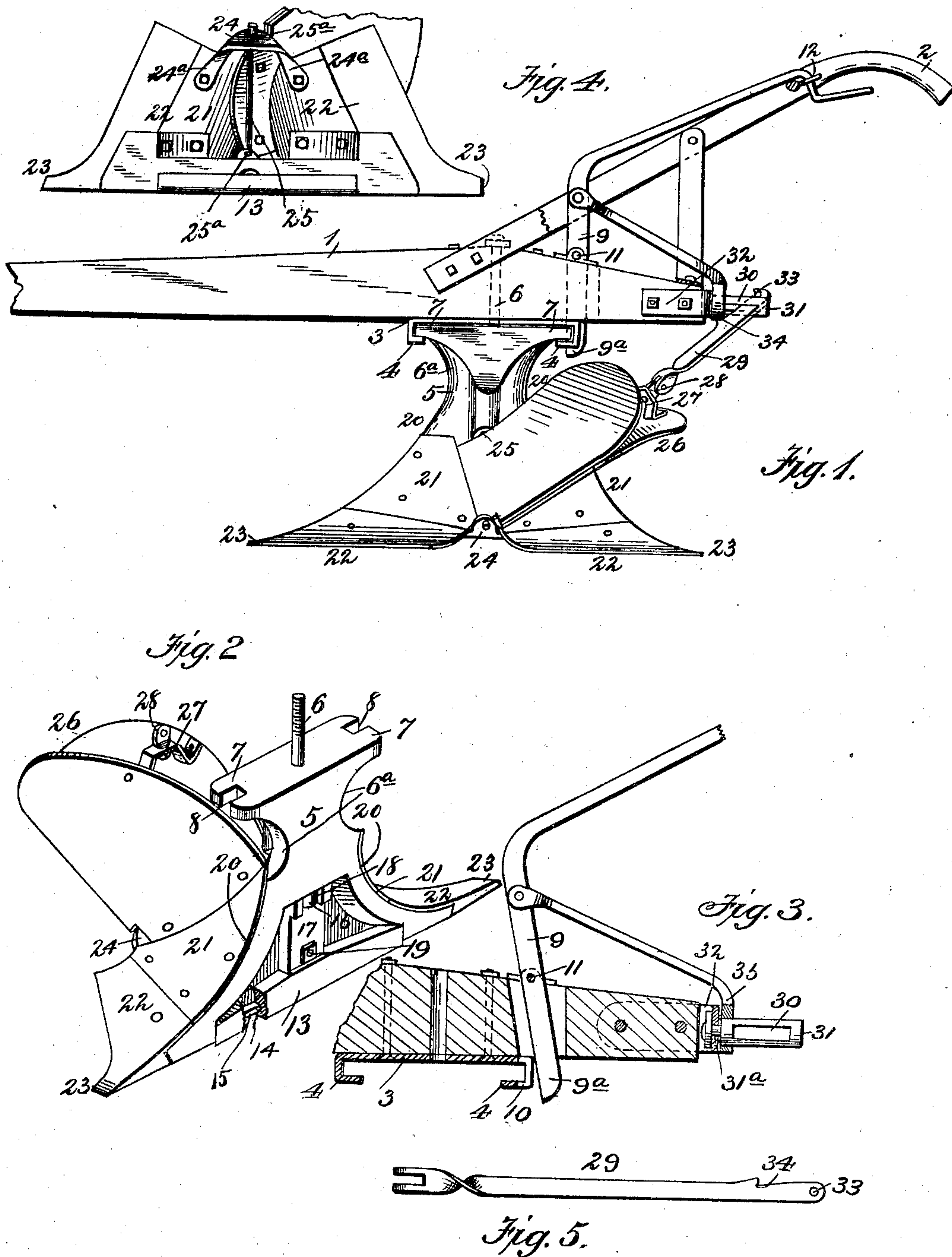
No. 706,915.

Patented Aug. 12, 1902.

S. FANNIN.  
PLOW.

(Application filed Apr. 30, 1902.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

SPENCER FANNIN, OF EZEL, KENTUCKY.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 706,915, dated August 12, 1902.

Application filed April 30, 1902. Serial No. 105,292. (No model.)

*To all whom it may concern:*

Be it known that I, SPENCER FANNIN, a citizen of the United States, residing at Ezel, in the county of Morgan and State of Kentucky, have invented new and useful Improvements in Plows, of which the following is a specification.

My invention relates to combined side-hill and valley plows; and the object of the same is to construct a device of this character which will be simple in construction and efficient in operation.

The novel construction employed by me in carrying out my invention is fully described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my plow. Fig. 2 is a detail of the hinged moldboards. Fig. 3 is a detail of the latch. Fig. 4 is a bottom plan of the standard and moldboards. Fig. 5 is a detail of the brace-bar.

Like numerals of reference designate like parts in the different views of the drawings. The numeral 1 designates a plow-beam bearing handles 2 of ordinary construction. Mounted on the under side of the beam 1 is a plate 3, having keepers 4 formed integral therewith. A standard 5 bears on the plate 3 and is pivoted on a bolt 6, extending transversely the bar 1 and longitudinally the standard. The standard 5 is rounded out at 6<sup>a</sup> to form arms 7, which are engaged by the keepers 4 when the plow is in its operating position. Slots 8 are formed in the arms 7 and are designed to be engaged by the lower short arm 9<sup>a</sup> of a latch-lever 9. A slot 10 is formed in the keepers to permit the engagement of the slots 8 by the lever. The lever 9 is fulcrumed on a cross-pin 11, and its long arm extends up and passes through a guard 12, mounted on the handle, which guard permits the lever to be operated to disengage the arm 9<sup>a</sup> from the slots 8 and permit the standard to be rotated.

The rear of the standard 5 is hollowed out on the back to accommodate a T-shaped land-bar 13, which is grooved at 14 to adapt it to engage a flange 15, formed on the standard 5. A recess 16 is formed in the stem 17 of the bar and is engaged by a pin 18, seated in the standard. A bolt 19 serves to detachably se-

cure the land-bar 13, so that it may be replaced by a new one when worn out by first unscrewing the nut off of the bolt 19 and knocking the bottom of the T out to disengage it from the flange 15, after which the stem 17 can be readily disengaged from the pin 18.

The standard 5 is rounded to form concave faces 20, constructed to support moldboards 21, bearing shears 22, having points 23 thereon. A space intervenes between the two moldboards 21, which are connected to a brace 24, having arms 24<sup>a</sup> thereon. Hinged on a shaft 25, journaled in apertures 25<sup>a</sup> in the standard 5 and brace 24, is a double moldboard having oppositely-curved concave members 26, constructed to form a rearward extension to either of the moldboards 21. A tie 27 connects the two members 26, and a swivel 28 is mounted in an aperture in said tie and is pivoted to a brace-bar 29, which engages a slot 30 in a stud 31, rotatably mounted in an aperture 31<sup>a</sup> in a clip 32, mounted on the rear of the beam 1. A pin 33 limits the movement of the bar 29 and prevents its withdrawal from the slot 30. A notch 34 is formed in the bar which is located to be engaged by a catch-bar 35, pivoted to the lever 9 and bearing an eye which embraces the stud 31. The catch 35 is disengaged by operating the lever 9 to lock and release the brace-bar 29. The operation of my device can now be sketched.

When in use, my plow is set with the land-bar 13 parallel to the bar 1. The catch-bar 35 and arm 9<sup>a</sup> will then both be engaged and will hold the brace-bar 29 and standard 5 against all movement. When it is desired to reverse the moldboards, it is only necessary to operate the lever 9 to release the brace-bar 29 and standard 5. The standard 5 is now grasped and rotated to push the brace-bar 29 up through the slot 30, after which the standard may be rotated through one hundred and eighty degrees to simultaneously swing the hinged moldboard 21. The lever 9 can then be operated to once more lock the standard 5 and brace-bar 35 against all movement.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.



Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a plow-beam, of a  
5 standard pivoted to said plow-beam, oppositely-disposed moldboards carried by said standard, hinged moldboards located to be set to form an extension of either of said boards when in operating position, a stud-shaft  
10 mounted on said beam and having a slot therein, a brace-bar connected to said hinged moldboards and engaging said slot, a catch-bar arranged to hold said brace against all movement, and a latch arranged to hold said  
15 standard against rotation, substantially as described.

2. The combination with a plow-beam, of a standard pivoted to said plow-beam and bearing oppositely-disposed moldboards, hinged  
20 moldboards arranged to be set to form an extension for either of said moldboards, a brace-

bar connected to said hinged moldboards and provided with a notch, a latch-lever fulcrumed on said plow-beam and engaging the said standard to hold it against turning, and a  
25 notch-bar pivoted to said latch-lever and engaging said brace-bar, substantially as described.

3. In a plow the combination with a standard, bearing a flange, a T-shaped land-bar  
30 provided with a groove engaging said flange and having a recess in its stem, a pin seated in said standard and engaging said recess, substantially as described.

In testimony whereof I have hereunto set  
35 my hand in presence of two subscribing witnesses.

SPENCER FANNIN.

Witnesses:

SAMUEL RICE,  
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