

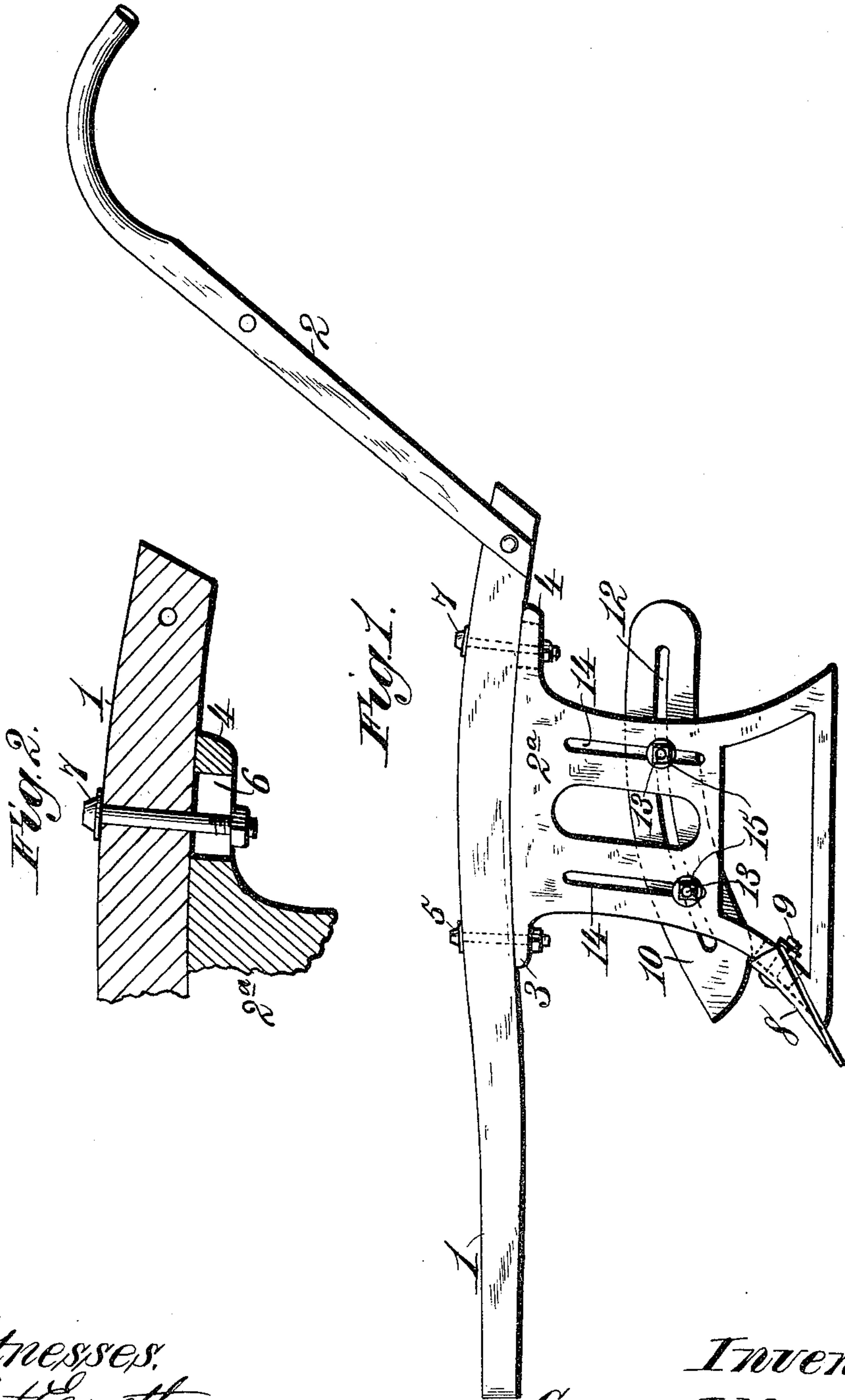
No. 640,067.

Patented Dec. 26, 1899.

G. L. YOUNG.
PLOW FOOT AND FENDER.

(Application filed Aug. 28, 1899.)

(No Model.)



Witnesses:
Robert Everett.
J. B. Keefe

Inventor:
George L. Young.
By James L. Norris
Att'y.

UNITED STATES PATENT OFFICE.

GEORGE L. YOUNG, OF MAGENTA, LOUISIANA.

PLOW-FOOT AND FENDER.

SPECIFICATION forming part of Letters Patent No. 640,067, dated December 26, 1899.

Application filed August 28, 1899. Serial No. 728,733. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. YOUNG, a citizen of the United States, residing at Magenta, in the parish of Bossier and State of Louisiana, have invented new and useful Improvements in Plow-Foot and Fenders, of which the following is a specification.

It is the purpose of my invention to provide a new and improved plow-foot and fender having a simple and inexpensive construction by which the plow-foot is made applicable to plow-beams of different sizes and the fender susceptible of several desirable adjustments upon said plow-foot.

My invention relates to that class of plows used for cultivation and hilling, one of the functions of the fender being to prevent the young plants from being buried in the soil that is turned up by the plow.

To enable others to understand and to make and use my said invention, I will now proceed to describe the same in detail, reference being had for this purpose to the drawings accompanying this specification, in which—

Figure 1 is a side elevation of a plow to which my invention is applied. Fig. 2 is a partial section taken vertically through the plow-beam and the upper part of the plow-foot to show the construction by which the latter is made applicable to plow-beams of different size.

The reference-numeral 1 in said drawings indicates the plow-beam of an ordinary cultivator-plow provided with handles 2. Upon the under side of this plow-beam I mount my plow-foot, which consists of a frame 2^a of suitable thickness, the upper edge of which is extended or lengthened to form front and rear projections 3 and 4. The forward projection 3 is provided with an ordinary opening to receive a screw or bolt 5, and the rearward projection 4 has a slot 6, through which a screw or bolt 7 passes. The length of the slot 6 is such as to enable the plow-foot to be used with beams of different sizes in which there is a corresponding variation in the length of the beam and in the distance between the two attaching-bolts 5 and 7.

The plowshare 8 is mounted upon the forward edge of the frame 2^a, at its lower end, and is secured by one or more bolts 9.

Upon the lateral face of the plow-foot I

arrange the fender, which consists of a flat longitudinally-curved or segmental metallic plate 10, provided with a slot 12, which extends nearly from end to end of the plate and has substantially the same curvature. Bolts 13 are passed through this slot and through vertical or nearly vertical slots or channels 14 in the plow-foot, the ends of said bolts projecting beyond the face of the frame 2^a and having nuts 15 turned thereon. By this construction it will readily be seen that a double adjustment of the fender is possible, one being longitudinally in the line of draft or in the line of the slot 12 in the fender and the other vertically in the direction of the slots or channels 14 in the plow-foot. Moreover, either end of the fender may be raised or lowered by adjusting one of the bolts 13 in its slot or channel, while the other bolt acts as a pivotal center on which the fender turns. By a combination of these several adjustments the fender can be placed in any position desired and can be pushed forward or retracted or raised or lowered, either bodily or at one end, until it is brought to the exact point to meet all the conditions required for preventing young plants from being buried in, or covered by, the soil turned or thrown up by the plow. It will be observed also that the fender as I construct it can be reversed or applied to either side of the plow-foot.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination of a plow-beam having front and rear bolt-holes, bolts passing through said bolt-holes, a plow-foot formed integral at its top with forward and rearward extensions constructed, respectively, with a bolt-hole and a longitudinal slot through which said bolts pass, and a fender lying against said plow-foot and adjustable longitudinally in the line of draft and vertically with relation to the soil, substantially as described.

2. The combination of a plow-beam having front and rear bolt-holes, bolts passing through said bolt-holes, a vertically-slotted plow-foot provided at its top with forward and rearward extensions constructed, respectively, with a bolt-hole and a longitudinal slot through which said bolts pass, a plant-fender having a longitudinal slot crossing the

vertically-slotted part of the plow-foot, and securing devices passing through said slotted parts for adjusting said fender longitudinally in the line of draft and vertically with relation to the soil, substantially as described.

3. The combination with the plow-beam, of the plow-foot having front and rear vertical slots, a plant-fender having a longitudinal slot crossing the vertical slots in the plow-foot, and securing devices for adjusting said fender longitudinally in the line of draft and vertically with relation to the soil, substantially as described.

4. The combination with a plow-beam, of a plow-foot having front and rear vertically-arranged channels therein, a longitudinally-curved plant-fender having a longitudinal slot crossing the vertically-arranged channels in the plow-foot, and bolts passing through said channels and slot for bodily adjusting the plant-fender vertically and longitudinally in the line of draft, substantially as described.

5. The combination with a plow-beam, of a plow-foot having front and rear vertical chan-

nels, a longitudinally-curved plant-fender having a longitudinal slot curved from end to end and crossing the front and rear channels in the plow-foot, and bolts passing through said channels and slot for adjusting the plant-fender longitudinally in the line of draft and vertically with relation to the soil, substantially as described.

6. In a cultivator-plow the combination with a plow-foot, of a reversible and adjustable fender consisting of a flat plate having a suitable curvature and provided with a longitudinal slot similarly curved, and bolts passing through said slot and through vertical channels in the plow-foot, with nuts turned upon their ends, by which a multiple, or compound adjustment of the fender may be made.

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

GEORGE L. YOUNG.

Witnesses:

W. T. C. FURNIS,
R. T. POOLE.